

## R1 42 01 05 Technical Directive

Hydraulics-directive for suppliers, erection companies, managers and users
Part 5: Selection control valves / pressure valves

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## <u>Information on</u>

Subject of document de Bruin tel. +31 (0)251-4 93948 Standardisation Standardisation office tel. +31 (0)251-4 97693

Contents:		R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
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corus	

5.1.	DIRECTIONAL CONTROL VALVES SPOOL TYPE DN	6 UP TO 32; 4/2 AND 4/3
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	_	
	corus	
	corus	

		T	
5.1.1.	Electrically operated		R1 42 01 05 Hydraulics-directive for suppliers, erection
			companies, managers and users Part 5: Selection control valves / pressure valves
	c	<b>C</b> orus	

5 1 1 art a	Manufacturar and type number	110
5.1.1.art.a.	ivianuiaciurei and type number	R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	

5.1.2.	Manually operated	176
J.1.2.	тыпиши орегиней	R1 42 01 05 Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valves
		rait 3. Selection control valves / pressure valves
	cort	JS

5.2.	POPPET TYPE DIRECTIONAL CONTROL VALVES, SE.	AT TYPE DN 6 SIZE 03; 3/2
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	
	corus	

5.2.1.	Electrically operated	R1 42 01 05
		R1 42 01 05 Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	

5.3.	DIRECTIONAL CONTROL VALVES, PROPORTIONAL,	DN10 to 32 size 05 to 10
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	_	
	corus	
	corus	

5.3.1.	General specifications	
		R1 42 01 05
		Hydraulics-directive for suppliers, erection companies, managers and users
		Part 5: Selection control valves / pressure valves
		1
	corus	=

5.4.	Pressure reducing valves, DN 10 to 32	R1 42 01 05
		R1 42 01 05 Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	

5.4.1. Application	R1 42 01 05
	Hydraulics-directive for suppliers, erection
	nyuraunes-unective for suppliers, election
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	
corus	

5.4.2.	Two way pressure reducing valve, manifold m	ounting374 R1 42 01 05
		R1 42 01 05
		Hydraulics-directive for suppliers, erection companies, managers and users
		Part 5: Selection control valves / pressure valves
		1 art 5. Selection control varves / pressure varves
	_	
	corus	
	corus	

5.4.3.	Two way pressure reducing valve, sandwich t	rpe
		R1 42 01 05 Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	_	
	corus	
	corus	

5.4.4.	Three way pressure reducing valve, manifold	nounting
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	

5.5. Pressure reducing valves, proportional, three way	on
companies, managers and users	on
companies, managers and users	
Don't F. Calaction control volves / massives	
Part 5: Selection control valves / pressure v	aives
_	
corus	
corus	

5.5.1. Application	439
11	R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	1 art 3. Selection control varves / pressure varves
corus	

	TI I	
5.5.2.	Electrical connection	R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
		_
	corus	
	corus	

5.5.3.	Technical specifications	451
0.0.0.	1 connecti specyteanons	R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valves
		Part 5: Selection control valves / pressure valves
	corus	
	COFUS	

5.5.4.	Manufacture and type number	R1 42 01 05  Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valves
		r
	corus	

ers, erection
l users
ressure valves

5.6.1. Application	466
	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
	corus

5.6.2.	Flow control valves, manually operated, manually	fold mounting
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	

5.7.	THROTTLE/NON-RETURN VALVES AND NEEDLE VA	LVES (NOT PRESSURE COMPENSATED)
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	
	corus	

5.7.1. Application	487
5.7.1. 11ppucuuon	R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
C	orus

5.7.2.	Throttle/non-return valves, internally threade	d
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	

5.7.3.	Throttle/non-return valves, manifold mounting	R1 42 01 05
		Hydraulics-directive for suppliers, erection companies, managers and users
		Part 5: Selection control valves / pressure valves
		•
	corus	
	Corus	

5.7.4.	Throttle/non-return valves, sandwich type	
		R1 42 01 05
		Hydraulics-directive for suppliers, erection companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	
	corus	

5.7.5.	Single needle valves	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
		Ture of Serection control varves / pressure varves
	corus	

5.8.	COUNTER BALANCE VALVES FOR ACCELERATION	AND DECELERATION
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	
	corus	

5.8.1.	Application	572
		R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
		- marine and a second a second and a second
		corus

5.8.2.	Countar balance valves, manifold mounting	578
3.0.2.	Counter butance valves, manyota mounting	R1 42 01 05
		Hydraulics-directive for suppliers, erection companies, managers and users
		Part 5: Selection control valves / pressure valves
		r
	corus	
	corus	

5.8.3.	Counter balance valves combined with check	valve, manifold mounting593 R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	

5.9.	PRESSURE CONTROL VALVES HYDRAULICALLY OP	ERATED
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	
	corus	

5.9.1. Application	R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	a versus control various, prossure various
corus	
corus	

5.9.2.	Hydraulically operated pressure control valve	with check valve , internal Y and X connection 628 R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	

5.9.3.	Hydraulically operated pressure control valve	with check valve , external Y and X connection 650 R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	

5.10.	CHECK VALVES (NON-RETURN VALVES)	R1 42 01 05
	,	R1 42 01 05 Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
		;
	coru	S

5.10.1.	Application	R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
		1
	corus	
	corus	
		L

5.10.2.	Check valves internally thread	led	R1 42 01 05
			Hydraulics-directive for suppliers, erection companies, managers and users
			Part 5: Selection control valves / pressure valves
		Corus	
		corus	

5.10.3.	Check valves with flances	747
3.10.3.	Check varves wan junges	R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valves
		T diversion control various prossure various
	C	Dorus Corus

5.10.4.	Check valves with 24° taper	R1 42 01 05
		R1 42 01 05 Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
		orus
		Oi us

5.10.5.	Check valves, manifold mounting	R1 42 01 05
		R1 42 01 05 Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	_	
	corus	
	corus	

5 10 6	Chack valvas subaatstona vastifica	anifold mounting 942
5.10.6.	Cneck vaives, wheatstone rectifier, m	anifold mounting
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	cort	<b>+</b>
	coru	ıs

5.10.7.	Pilot operated check valves, manifold moun	R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	
	COFUS	

5.10.8.	Pilot operated check valves, sandwich	R1 42 01 05 Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valves
	coru	
	Coru	5

5.11.	CAPTRIDGE VALVES AND ACCESSORIES	903
J.11.	CANTRIDUE VALVES AND ACCESSURIES	R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	
	corus	

5.11.1.	Application		R1 42 01 05 Hydraulics-directive for suppliers, erection
			companies, managers and users Part 5: Selection control valves / pressure valves
		corus	

5.11.2.	Cartridge valves, modules and covers	R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	
	Coi us	

5.11.3.	Modules		949
			R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users
			Part 5: Selection control valves / pressure valves
			Tart b. Selection control varies / pressure varies
		corus	
		corus	

5.11.4.	Closed covers with and without stroke limit	rers
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	

5.11.5.	Covers for cartridges suitable for valve mo	unting
		R1 42 01 05
		Hydraulics-directive for suppliers, erection companies, managers and users
		Part 5: Selection control valves / pressure valves
		1
	corus	

5.12.	REFERENCES	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
	corus	

5.13.	EXPLANATION		R1 42 01 05
			KI 42 UI US
			Hydraulics-directive for suppliers, erection
			companies, managers and users
			Part 5: Selection control valves / pressure valves
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	C	orus	
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	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
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	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

5.1.	Directional control valves spool type DN	6 up to 32; 4/2 and 4/3 R1 42 01 05
		Hydraulics-directive for suppliers, erection companies, managers and users
		Part 5: Selection control valves / pressure valv
	corus	

Directional valves will be used for distribu	tion of fluid to actuators, or parts of a hydraulic R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

system. Due to interchangeability, pressur	es and flows in the tables are possibly deviating R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	rates. Selection control varies / pressure varies
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from those mentioned in the manufacturer	s catalogues. R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
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5.1.1. Electrically operated	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves

Symbols according to NEN 3348 (ISO 1219)	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
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corus	

F	igure 5.1	Figure 5.2 R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valves
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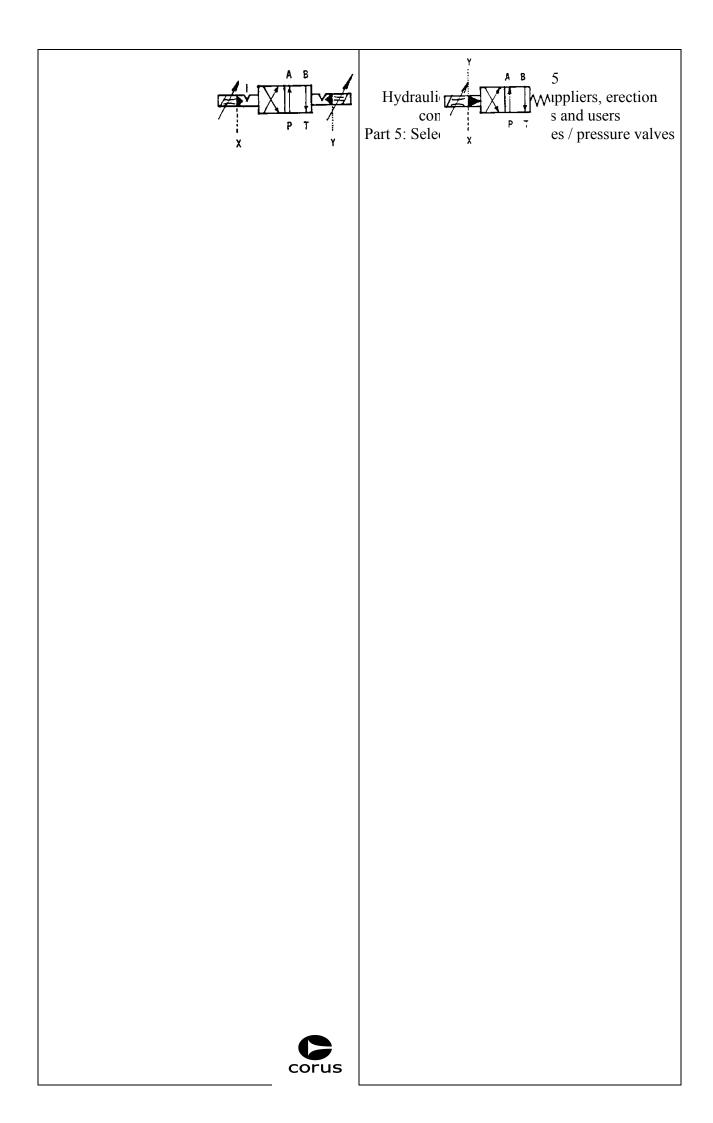
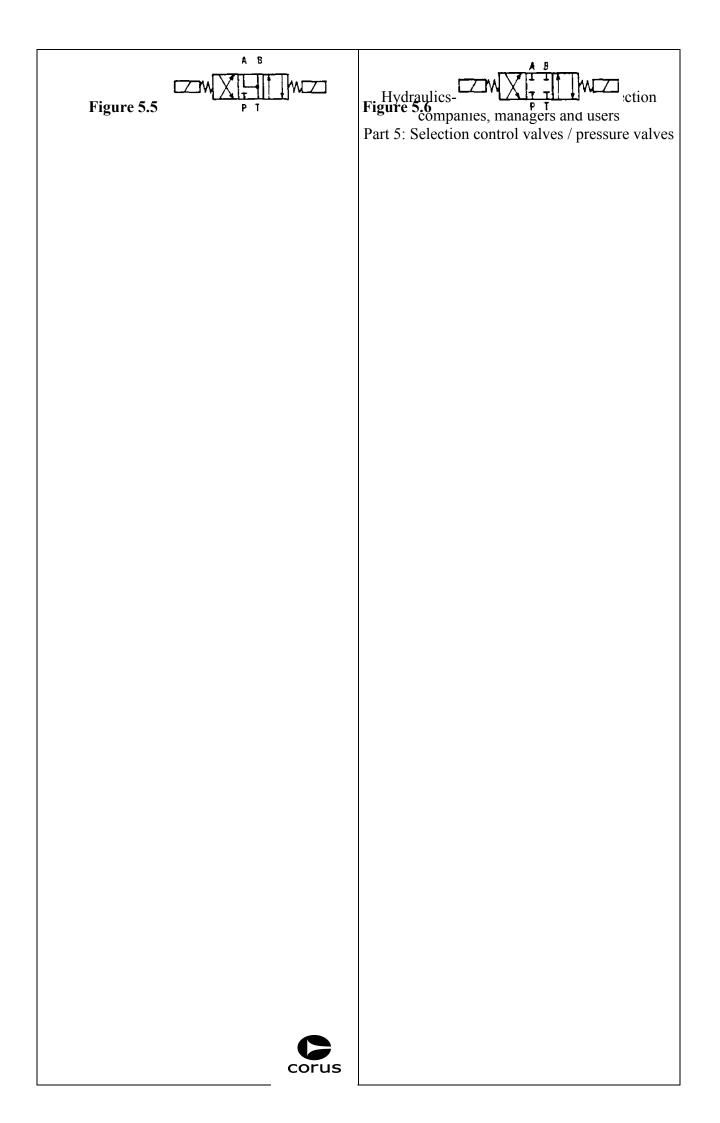
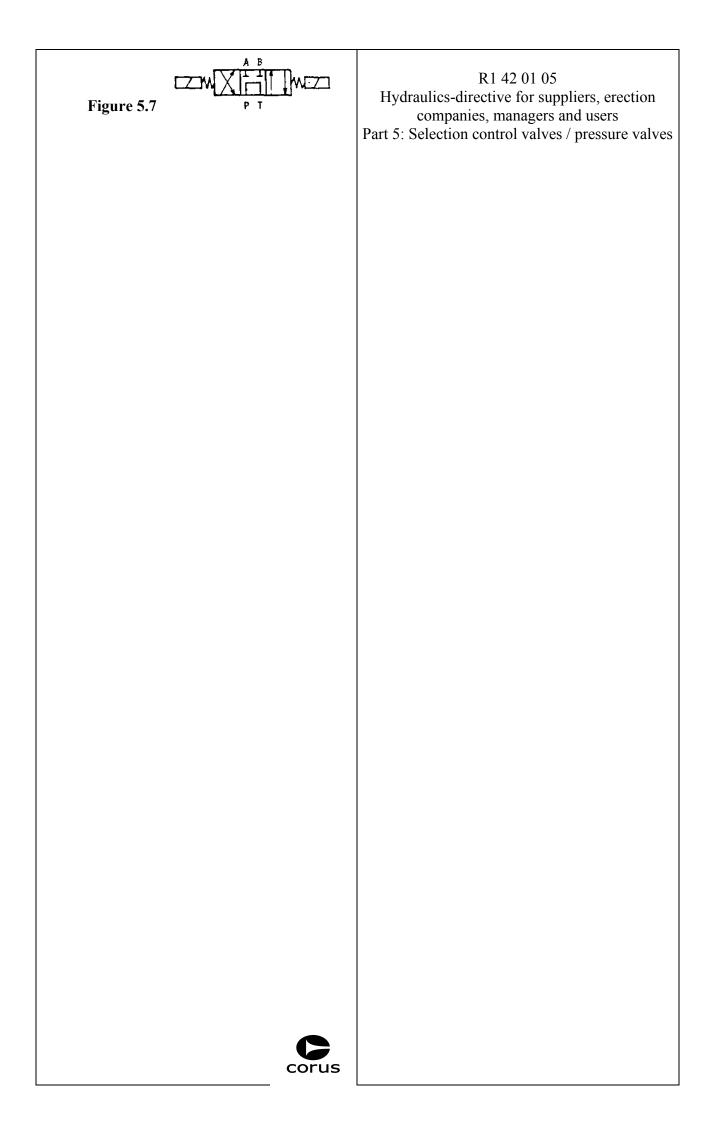


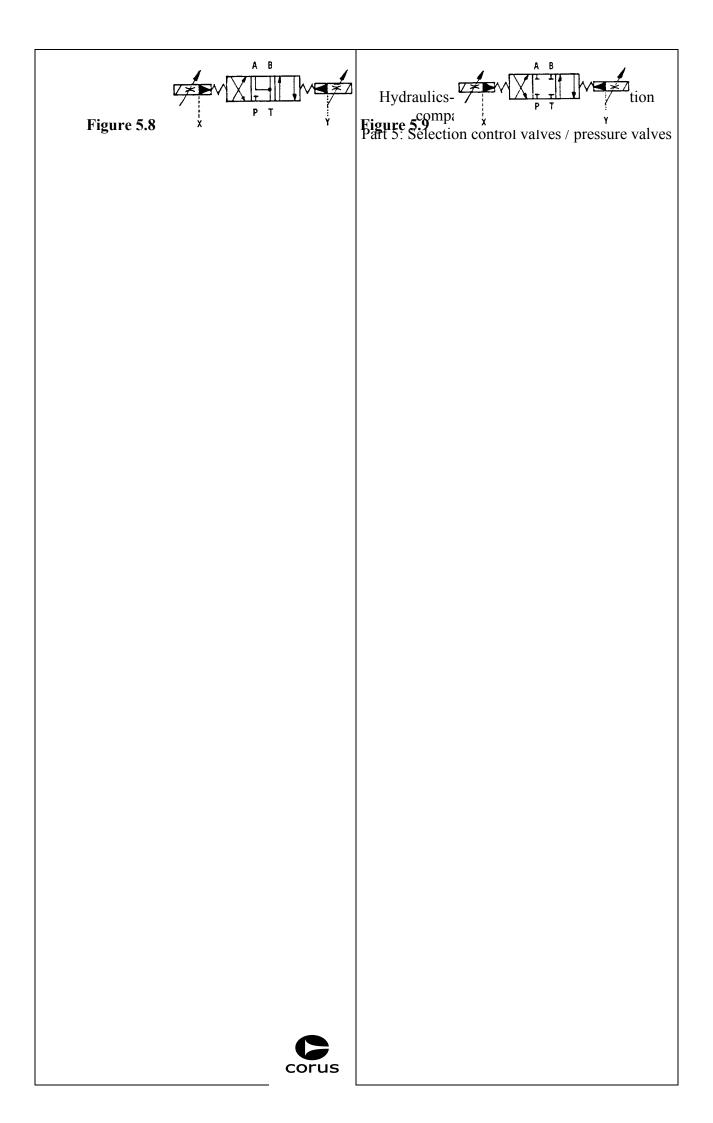
Figure 5.3	Figure5. 4 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
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	companies, managers and users Part 5: Selection control valves / pressure valves
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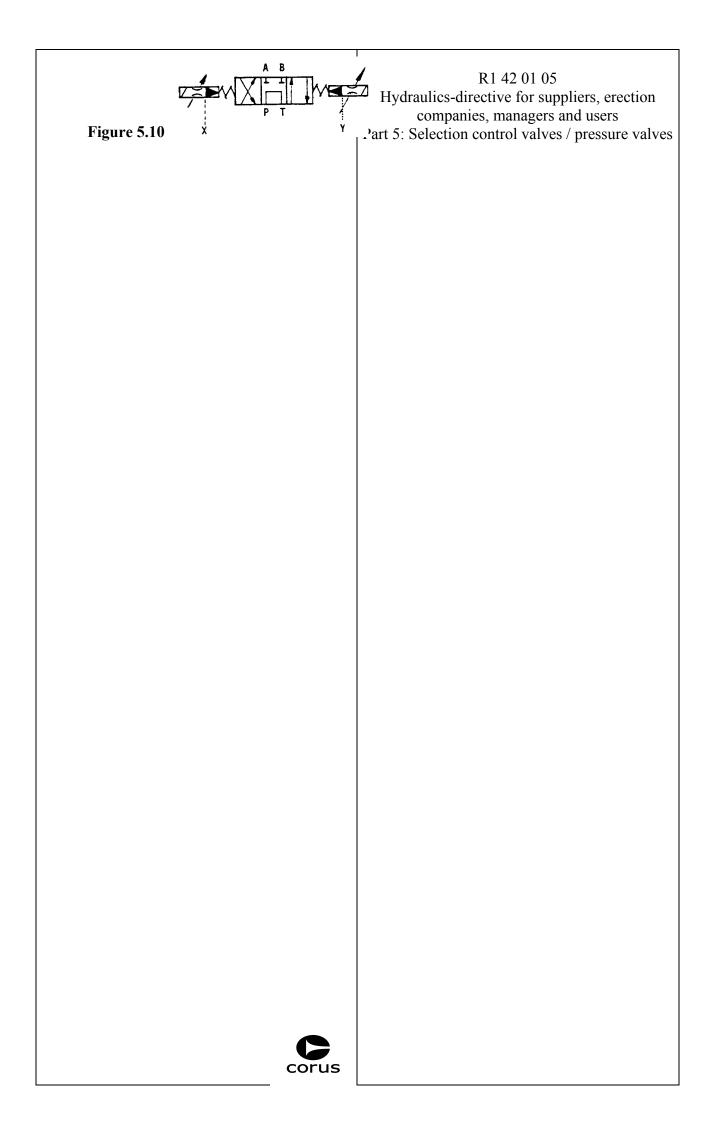




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	Hydraulics-directive for suppliers, erection
	companies, managers and users
	companies, managers and users Part 5: Selection control valves / pressure valves
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	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
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	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
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Application		R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valve
	corus	

Valves DN 6 (size 03) are to be applied o	<b>nly</b> for:
	R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

pilot operated directional control valve.	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
corus	

cartridge valves (remote control)	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
corus	

<ul> <li>pressure valves (remote control)</li> </ul>	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Valves DN 10, 25 and 32 (sizes 05, 08, 10	) are commonly applied for the control of R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	1 art 3. Selection control varves / pressure varves
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cylinders and hydro engines. <b>DN 16 is not</b>	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
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Technical data	R1 42 01 05
	Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
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C	02.05.00110
<ul> <li>Connection according to ISO 4401, size</li> </ul>	R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
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<ul> <li>Pressure, volume flow, solenoid capac</li> </ul>	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

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Scheme 5.1	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

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Syn		Symbol	R1 42 01 05		
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	Par	i 5: Selectio	n control valves /	pressure var	ves
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			F	Iydraulics-c	lirective for		erection
				compa	nies, manag	ers and us	ers
			Part	5: Selectio	n control va	lves / pres	ers sure valves
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	5.7 R1 42 01 05
	Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

DN 6 DN	10 DN 10 DN 25 DN 32
DN 6 DN	Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

size 03	size 05	size 05	size 08 R1 42 01	size 10	
		Hydraulics-compa compa art 5: Selectio	lirective for nies, manag	suppliers, eers and use	rs
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Max. pressure P	350	315	315   280   210   bar     R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users
			Part 5: Selection control valves / pressure valves
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T 100 120 250 210 bar Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves		1		T T	1
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companies, managers and users Part 5: Selection control valves / pressure valves			Hydraulics-	directive for suppliers,	erection
			compa	mies, managers and use	ers
corus			Part 5: Selection	on control valves / press	sure valves
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A	350 315	315 280 210 bar R1 42 01 05
		Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	corus	

В	315	315	315	280 R1 42 01	210	bar
			Hydraulics-d	lirective for	suppliers	erection
			compai	nies, manag	ers and use	ers
			Part 5: Selection	n control va	lves / pres	sure valves
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X		- 210 210 bar R1 42 01 05
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		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	

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			companies, managers and users Part 5: Selection control valves / pressure valves
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	Max. flow	max. 30*)	40		40	250 R1 42 0	500	l/min.
				Hy-Part 5	draulics-compa compa : Selection	directive for	suppliers	, erection sers ssure valves
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Stationair power	50	105	105	55 R1 42 0	55	VA
			Uvdmanline 4	KI 42 Ul	UJ	oraction
			Hydraulics-d	irective for	suppliers,	erection
			compai	nies, manag	gers and use	CIS
			Part 5: Selection	n control va	ilves / press	sure valves
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	co	rus				

Switching power	220	700	700 170 170 VA R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users
			Part 5: Selection control valves / pressure valves
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*) Pressure dependent	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Valves DN 6 must be equipped with en	nergency manual control
. a. to bit o must be equipped with of	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
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D'1 4 1 DN 05 00 1101	1
- Pilot valve DN 25 en 32 shifti	ing time adjustment between the pilot valve and the main R1 42 01 05  Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	corus

valve by means of a meter out throttle.	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
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- Solenoids:	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

- are of the wet type	D1 42 01 05
	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

<ul> <li>Plug according</li> </ul>	g ISO 4400 with in	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
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- Voltage: 110 V AC + and - 5%	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
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corus	

<ul> <li>Suitable for 100% continuous op</li> </ul>	K1 42 01 03
	Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	Tart 3. Selection control varves / pressure varves
corus	

<ul> <li>Pilot pressure: in general 30 bar, to be §</li> </ul>	generated at each manifold from the supply R1 42 01 05
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

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pressure.	R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	corus

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

5.1.1.art.a.	Manufacturer and type nur	mber	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
			Part 5: Selection control valves / pressure valves
	co	rus	

Scheme 5.2	
Scheme 5.2	R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	corus
	corus

DN 6 Size 03 R1 42 01 05
Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus
corus

Symbol	Manufacturer	T	ype R1 42 01 05
·			Hydraulics-directive for suppliers, erection
			companies, managers and users Part 5: Selection control valves / pressure valves
	cor		
	cor	uS	

Rexroth	4WE6D60/OFEW110-N9K4 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
	Tares. Selection control varies, pressure varies
	corus
	corus

5.1	Vickers	D	G4V-3S-2N-M-U5-A5-60*) R1 42 01 05
			Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
		corus	

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	Rexroth	4	VE6D60/EW110-N9K4 R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users
			Part 5: Selection control valves / pressure valves
		corus	
		corus	
<u> </u>			<u>,                                      </u>

5.2 Vickers	DG4V-3S-2A-M-U5-A5-60*) R1 42 01 05
	Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	corus

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	Rexroth	4WE	R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users
		P	art 5: Selection control valves / pressure valves
			•
		Corus	
		corus	
		<u> </u>	

	1	ı	
5.5	Vickers	De	G4V-3S-6C-M-U5-A5-60*) R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users
			Part 5: Selection control valves / pressure valves
		corus	
		33, 43	

*) This valve is equipped with a locating p	en, which can be removed.
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	Tutt 3. Selection control varves / pressure varves
corus	
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Scheme 5.3	
Scheme 5.5	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

 DN 10 Size 05 R1 42 01 05
Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus

Symbol Manufacturer	RTyPe 01 05
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

ı		
	Rexroth	4WE10D30/OFCW110-N9K4 R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valves
		Fait 3. Selection control valves / pressure valves
		corus
	C	corus

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	5.1	Vickers		DG4V-5-2N-M-U5-A6-20 R1 42 01 05
				Hydraulics-directive for suppliers, erection
				companies, managers and users
				Part 5: Selection control valves / pressure valves
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			corus	
			corus	

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Rexroth	4WE10D30/CW110-N9K4 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	
corus	5

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l	5.2		Vickers	]	DG4V-5-2A-M-U5-A6-20 R1 42 01 05
					Hydraulics-directive for suppliers, erection
					companies, managers and users Part 5: Selection control valves / pressure valves
					Part 3. Selection control valves / pressure valves
				corus	

<u> </u>		VVIII 020 (CW) 1 0 2 2 2 2 2
	Rexroth	4WE10J30/CW110-N9K4 R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	co	orus (
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	5.5	Vickers		DG4V-5-6C-M-U5-A6-20 R1 42 01 05
				Hydraulics-directive for suppliers, erection
				companies, managers and users
				Part 5: Selection control valves / pressure valves
			corus	
			corus	
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Rexroth	
'	4WE10E30/CW110-N9K4 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
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COF	us

	5.6		Vickers		DG4V-5-2C-M-U5-A6-20 R1 42 01 05
	•	ı		ı ·	R1 42 01 05  Hydraulics-directive for suppliers, erection
					companies, managers and users
					Part 5: Selection control valves / pressure valves
				corus	
				corus	

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Rexroth	4WE10G30/OFCW110-N9K4 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
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5.7 Vickers DG4V-5-8CJ-VM-U5-A6-20 R1 42 01 05  Hydraulics-directive for suppliers, e companies, managers and user Part 5: Selection control valves / press	rs
Hydraulics-directive for suppliers, e companies, managers and user	rs
companies, managers and user	rs
Part 5: Selection control valves / press	ure valves
corus	
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

6.1. 7.4	
Scheme 5.4	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
	Tart 3. Selection control valves / pressure valves
	<b>C</b> orus
C	OFUS

	DN 25 Size 08 R1 42 01 05
	Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	rait 3. Selection control valves / pressure valves
corus	

Symbol	Manufacturer	Type R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	corus	

Rexroth  WEH22HD70/OF6E WI104-SS284  Hydraulies-directive for suppliers, crection companies, managers and users  Part 5: Selection control valves / pressure valves	ı		
Hydraulies-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves		Rexroth	4WEH22HD70/OF6E W110-N9S2K4 R1 42 01 05
companies, managers and users Part 5: Selection control valves / pressure valves			Hydraulics-directive for suppliers, erection
			companies, managers and users
corus			Part 5: Selection control valves / pressure valves
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S.3   Vickers   DGSV-H8-2N-2E-M-US-AS-30   Hydraulies-directive for suppliers, erection companies, managers and users   Part 5: Selection control valves / pressure valves		•		•	
Hydraultes-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves	5.3		Vickers	1	ÞG5V-H8-2N-2E-M-U5-A5-30 R 1 42 01 05
companies, managers and users Part 5: Selection control valves / pressure valves					Hydraulics-directive for suppliers, erection
					companies, managers and users
corus					Part 5: Selection control valves / pressure valves
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corus				C	
				corus	

Restoth  WEH22HD70/OF6E WI 10-N9SR4 RI 42 01 05 Hydraulies-directive for suppliers, crection companies, managers and users Part 5: Selection control valves / pressure valves	 	
Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves	Rexroth	4WEH22HD70/OF6E W110-N9S2K4 R1 42 01 05
companies, managers and users Part 5: Selection control valves / pressure valves		Hydraulics-directive for suppliers, erection
Part 5: Selection control valves / pressure valves		companies, managers and users
corus		Part 5: Selection control valves / pressure valves
corus		
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	5.4		Vickers		DG5V-H8-2A-2E-M-U5-A5-30 R1 42 01 05
					Hydraulics-directive for suppliers, erection
					companies, managers and users
					Part 5: Selection control valves / pressure valves
				corus	

Rexroth	4WEH22J70/6E W110-N9S2K4 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

				I
	5.8	Vickers	]	DG5V-H8-6C-2E-M-U5-A5-30 R1 42 01 05
				Hydraulics-directive for suppliers, erection
				companies, managers and users Part 5: Selection control valves / pressure valves
				Part 5: Selection control valves / pressure valves
			corus	

Rexroth	4WEH22E70/6E W110-N9S2K4 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
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	5.9	Vickers	1	DG5V-H8-2C-2E-M-U5-A5-30 R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
			corus	

Rexroth	4WEH22HD70/6E W110-N9S2K4 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
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	5.10	Vickers		DG5V-H8-8C-2E-M-U5-A5-30 R1 42 01 05
'	- 1		, ,	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
			corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Sahama 5.5	
Scheme 5.5	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	S

 DN 32 Size 10 <sub>R1 42 01 05</sub>
Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus

Symbol Manufacturer Type R1 42 01 05 Hydraulics-directive for suppliers, crection companies, managers and users Part 5: Selection control valves / pressure valves			_
companies, managers and users Part 5: Selection control valves / pressure valves	Symbol M	Ianufacturer	161 12 01 00
			companies, managers and users
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COTUS			
corus			
		corus	

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	Temour	4WEH32HD60/OF6E W110-N9S2K4 R1 42 01 05  Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
		orus (
		Drug

1	<i>5</i> 2	1	V: a1		DC504 102N 2F M U5 AZ 00
l	5.3	I	Vickers		DG5S4-102N-2E-M-U5-A7-90 R1 42 01 05
					Hydraulics-directive for suppliers, erection
					companies, managers and users Part 5: Selection control valves / pressure valves
					art 3. Selection control varves / pressure varves
				corus	

Rexroth	4WEH32HD60/6E W110-N9S2K4 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
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corus	
corus	5

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5.4		Vickers		DG5S4-102A-2E-M-U5-A7-90 R1 42 01 05
				Hydraulics-directive for suppliers, erection
				companies, managers and users
				Part 5: Selection control valves / pressure valves
			corus	
		<u>_</u>	corus	

Rexroth	4WEH32J60/6E W110- N9S2K4 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
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<u> </u>	

	5.8	Vickers		DG5S4-106C-2E-M-U5-A7-90 R1 42 01 05
				Hydraulics-directive for suppliers, erection
				companies, managers and users Part 5: Selection control valves / pressure valves
				P. Control of the con
			corus	

Rexroth	4WEH32E60/6E W110- N9S2K4 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
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5	.9		Vickers		DG5S4-102C-2E-M-U5-A7-90 R1 42 01 05
					Hydraulics-directive for suppliers, erection
					companies, managers and users
					Part 5: Selection control valves / pressure valves
				corus	

Rexroth	4WEH32G60/6E W110- N9S2K4 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
CO	rus

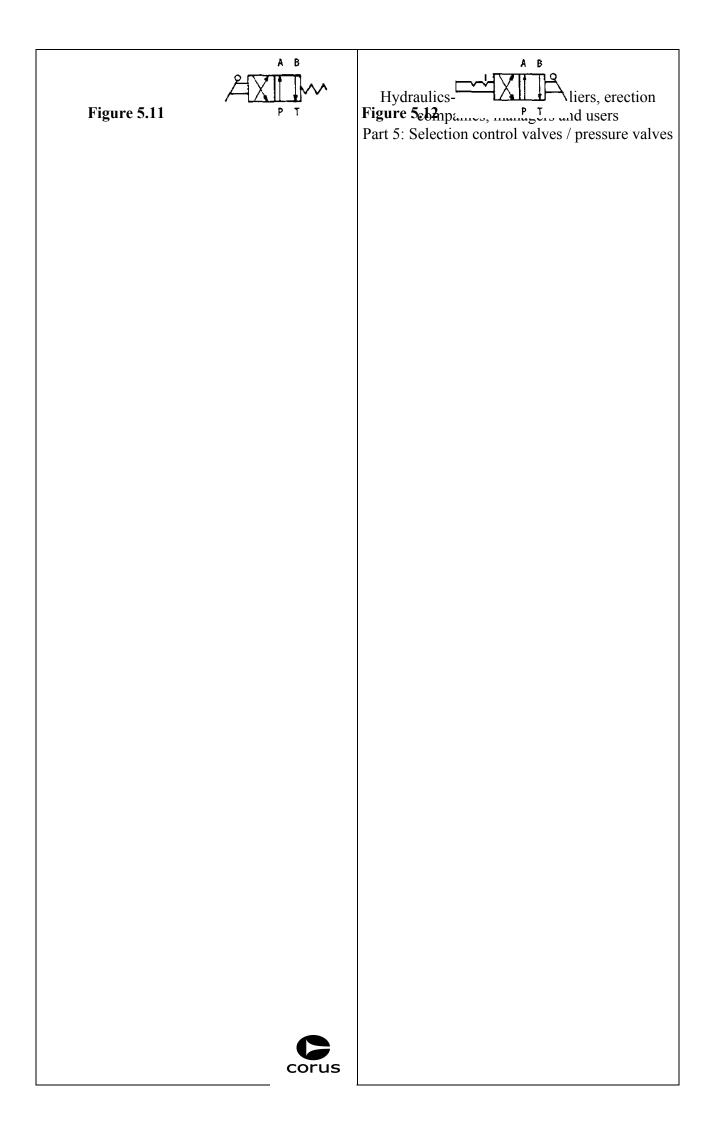
ı		T. 1	DG504 100G 0F M W P 1 5 00
	5.10	Vickers	DG5S4-108C-2E-M-U5-B-A7-90 R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users
			Part 5: Selection control valves / pressure valves
		corus	

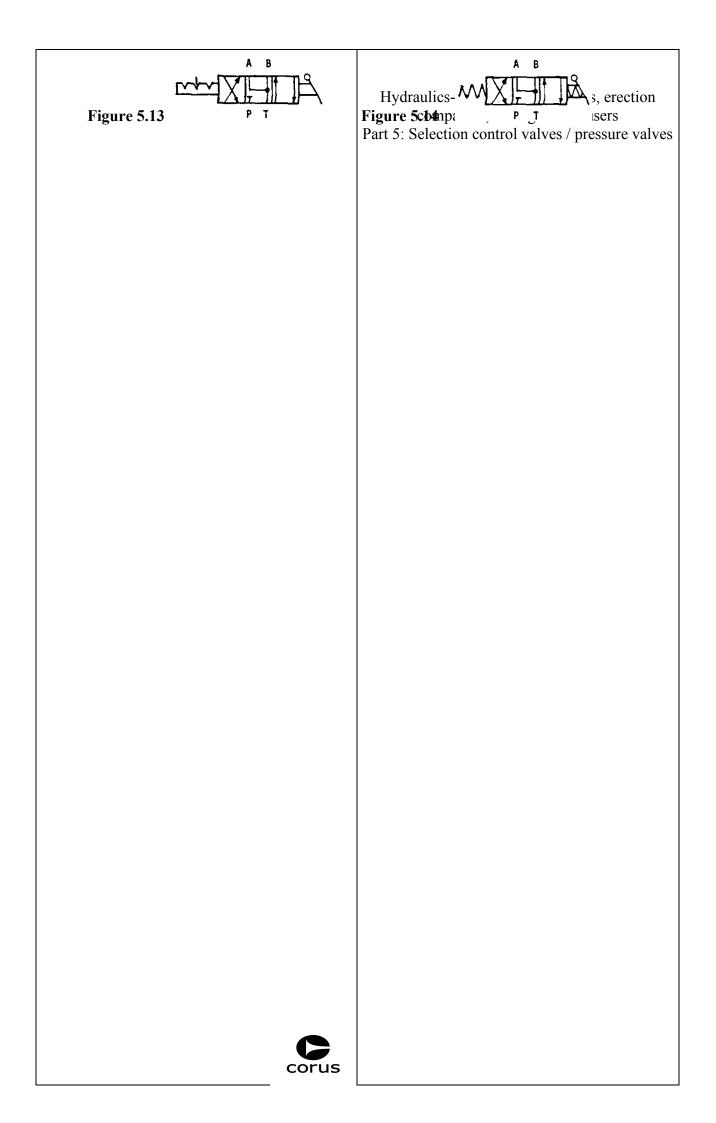
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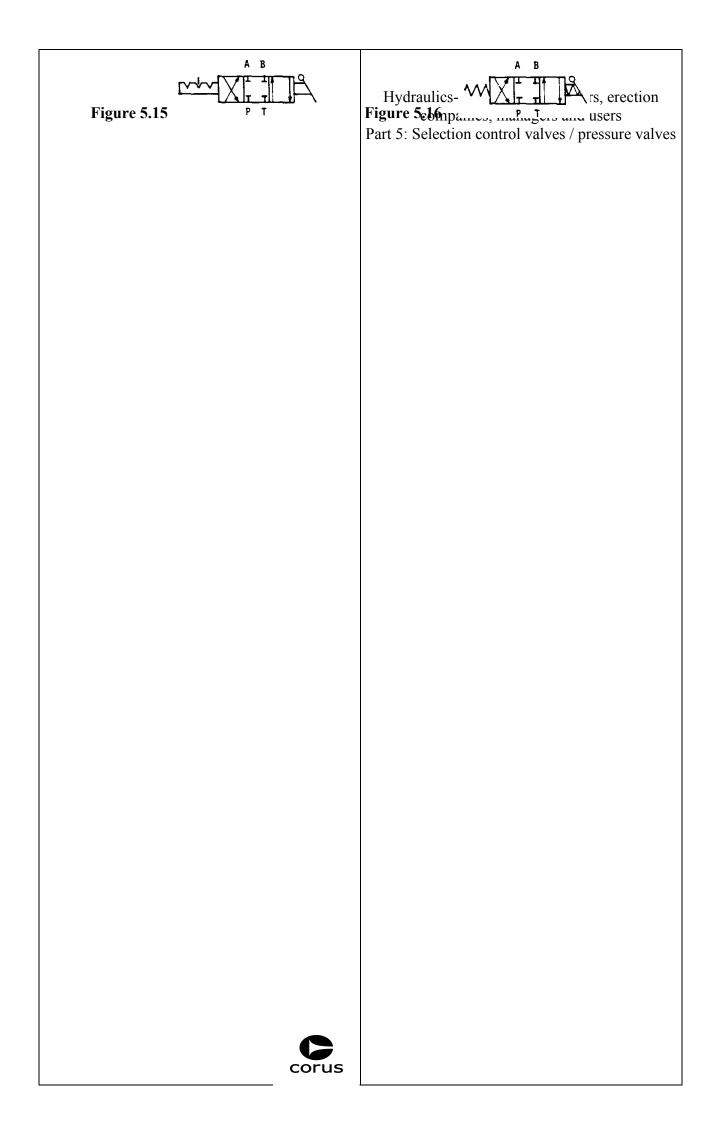
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corus	

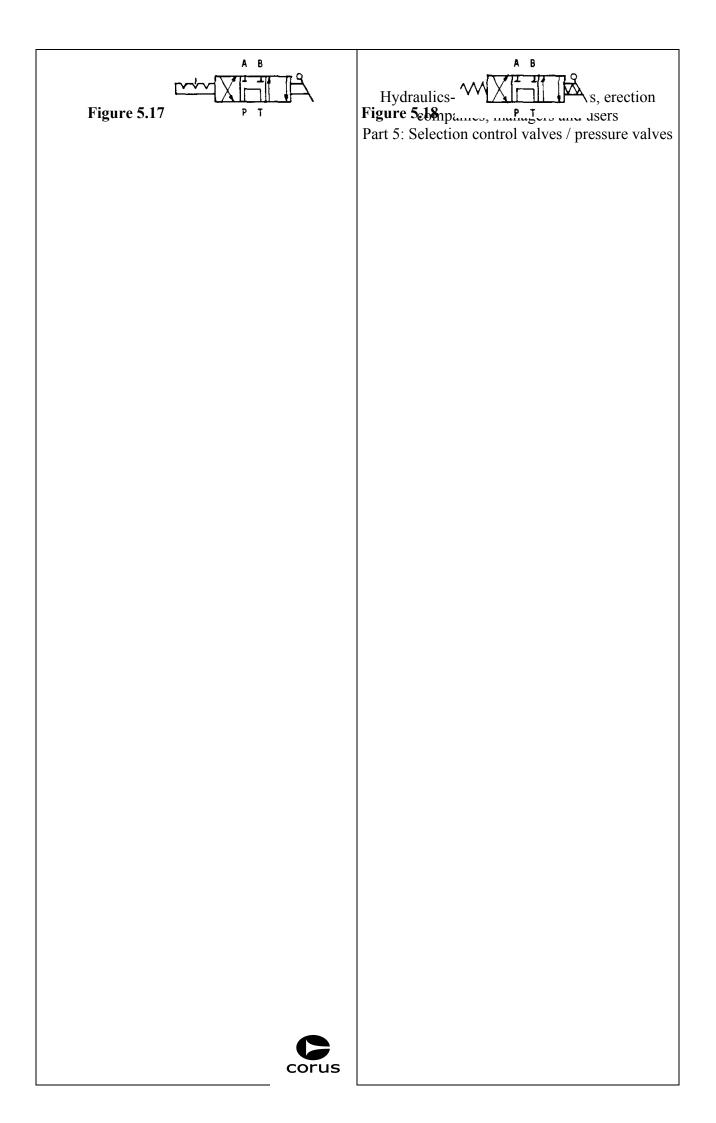
5.1.2.	Manually operated	R1 42 01 05 Hydraulics-directive for suppliers, erectio companies, managers and users Part 5: Selection control valves / pressure va	
	cort	us	

Symbols according to NEN 3348 (ISO 1219)	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	









	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
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corus	

Application		R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valve
	corus	

Control of cylinders and hydraulic motors	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
corus	

Technical data	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Connection according to ISO 4401 si	zo 02 05 08 and 10 See Technical Directive		
- Connection according to 150 4401, St.	<ul> <li>Connection according to ISO 4401, size 03,05, 08 and 10. See Technical Directive R1 42 01 05</li> <li>Hydraulics-directive for suppliers, erection companies, managers and users</li> </ul>		
	Part 5: Selection control valves / pressure valves		
corus			

D1 42 01 02 paragraph 2.7	
R1 42 01 02, paragraph 2.7.	R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
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- Pressure, flow, electrical power	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

<ul> <li>Valves with positive overlap in intermediate position.</li> <li>R1 42 01 05</li> </ul>		
	Hydraulics-directive for suppliers, erection	
	companies, managers and users Part 5: Selection control valves / pressure valves	
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	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
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Sahama 5 (	
Scheme 5.6	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
corus	

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DN 10	DN 25 R1 42 01 05
 	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

size 05	size 08 R1 42 01	05	
F	Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves		
	are of solution contact va	aves, pressure varves	
corus			

I	Droggues in D	1 210	<u> </u>	215		ho-
	Pressure in P	210		315 R1 4	2 01 05	bar
			Hydrauli	cs-directive	for suppl	iers, erection
			Part 5: Sele	npanies, ma	anagers an ol valves /	d users pressure valves
			Tart 3. Sere	ction contro	or varves /	pressure varves
		corus				

T	70	210	bar
		R1 42 01	
		Hydraulics-directive for companies, manag	suppliers, election
		Part 5: Selection control va	lves / pressure valves
		1 art 3. Selection control va	iives / pressure varves
	corus		
	corus		

A	210	315 bar
		R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies managers and users
		companies, managers and users Part 5: Selection control valves / pressure valves
		Part 5: Selection control valves / pressure valves
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В	210	315 bar R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	

		T	
Q	40	250	L/min.
		R1 42 01	
		Hydraulics-directive for	suppliers, erection
		companies, manag	ers and users
		Part 5: Selection control va	lves / pressure valves
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	corus		
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	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
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Sahama 5.7	
Scheme 5.7	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	5

DN 10 size 05 R1 42 01 05  Hydraulies-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves	
Hydraulies-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves	DN 10 size 05 R1 42 01 05
	Hydraulics-directive for suppliers, erection companies, managers and users
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Symbol	Manufacturer	Types 42 01 05
		Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	corus	5

Rexroth		4WMM10D30/F R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valves
		Part 5: Selection control valves / pressure valves
	corus	
	corus	

ı	5.10	1	
	5.12	Herion	S10.H.OOG.019.013MO R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users Part 5: Selection control valves / pressure valves
			Fait 3. Selection control valves / pressure valves
			corus

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Rexroth	4WMM10D30 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valve
	Part 5: Selection control valves / pressure valve
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	5.11	Herion	S10.H.OOG.020.013MO R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users Part 5: Selection control valves / pressure valves
			rate 3. Selection control varves / pressure varves
			corus
			corus

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Rexroth	4WMM10J30/F R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valve
	Part 5: Selection control valves / pressure valve
corus	
corus	

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	5.13	Herion	S10.H.OOG.129.013MO R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users Part 5: Selection control valves / pressure valves
			Tare 5. Selection control (arves) pressure (arves)
			corus
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Rexroth	4WMM10J30/F R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valve
	Part 5: Selection control valves / pressure valve
corus	
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S.1.4   Herion   SIGH_OOG_99]33MO RI 42 01 05   Hydraulies-directive for suppliers, crection companies, managers and users   Part 5: Selection control valves / pressure valves	ı		1	1
Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves		5.14	Herion	S10.H.OOG.009.013MO R1 42 01 05
Part 5: Selection control valves / pressure valves				Hydraulics-directive for suppliers, erection
				companies, managers and users
				Part 5: Selection control valves / pressure valves
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COPUS				
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COPUS				
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l	Rexroth	4WMM10E30/F R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valve
		Part 5: Selection control valves / pressure valve
	cor	

ı	5.15		
	5.15	Herion	S10.H.OOG.141.013MO R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users Part 5: Selection control valves / pressure valves
			rait 3. Selection control valves / pressure valves
			corus

Rexroth	4WMM10E30 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	Part 5: Selection control valves / pressure valves
COL	rus

ı	F 16		1 310 11 000 000 010 010
	5.16	Herion	S10.H.OOG.008.013MO R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users Part 5: Selection control valves / pressure valves
			processing various
			corus

l n a	AWD 0.410C20/E
Rexroth	4WMM10G30/F R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	Part 5: Selection control valves / pressure valves
_	
coru	<b>)</b>
coru	IS

ı		1	
	5.17	Herion	S10.H.OOG.108.013MO R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users
			Part 5: Selection control valves / pressure valves
			corus
			Corus

	WD 0 400000
Rexroth	4WMM10G30 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valve
	Part 5: Selection control valves / pressure valve
cort	7
coru	JS

5.10	Howiere	\$10 H OOC 012 012MO
5.18	Herion	S10.H.OOG.013.013MO R1 42 01 05
		Hydraulics-directive for suppliers, erection companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	<b>s</b>

Also allowed Vickers DG17V4 series with	n the same symbol. R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	Fait 3. Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Cahama 5 0	
Scheme 5.8	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
	rus
СО	rus

DN 25 size 08 R1 42 01 05
Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves

Symbol	Manufacturer	Types 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valve
		Fait 3. Selection control valves / pressure valve
	coru	
	coru	5

Rexroth	H-4WMM22D/70 R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

5.12 Vickers	DG17V-H8-2A10 R1 42 01 05
	Hydraulics-directive for suppliers, erection companies, managers and users
	companies, managers and users Part 5: Selection control valves / pressure valves
cort	JS

Rexroth	H-4WMM22J-70/F R1 42 01 05
	R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
	S. Selection convol (all es) pressure (all es)
corus	
corus	

5.13   Vickers	DG17V-H8-6N-10 R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
_	
cort	ıs

Rexroth	H-4WMM22J-70
	H-4WMM22J-70 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
	1 arc 3. Selection control varves / pressure varves
corus	
corus	

5.14 Vickers	DG17V-H8-6C-10 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	5

Rexroth	H-4WMM22E-70/F R1 42 01 05
	R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	
corus	

5.15 Vickers	DG17V-H8-2N-10 R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
cort	ıs

Rexroth	H-4WMM22E-70 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
coru	
coru	IS

5.1	6 Vickers	DG17V-H8-2C-10 R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valves
		Part 5: Selection control valves / pressure valves
		corus

Rexroth	H-4WMM22G-70/F R1 42 01 05
	R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	
corus	

5.17 Vickers	DG17V-H8-8N-10 R1 42 01 05
	Hydraulics-directive for suppliers, erection companies, managers and users
	companies, managers and users Part 5: Selection control valves / pressure valves
cor	us

Rexroth	H-4WMM22G-70 R1 42 01 05
	R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
	1 art 3. Selection control varves / pressure varves
corus	
corus	
33.43	

5 10	Violence		DC17V H0 0C 10
5.18	Vickers		DG17V-H8-8C-10 R1 42 01 05
			Hydraulics-directive for suppliers, erection companies, managers and users
			companies, managers and users Part 5: Selection control valves / pressure valves
		corus	
		corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

5.2.	Poppet type directional control valves, se	eat type DN 6 size 03; 3/2
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	
	corus	

Poppet types valves (seat valves) will be u	sed for pilot functions and safety functions only. R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	1 art 3. Selection control varves / pressure varves
corus	
corus	

See Technical Directive R1 42 01 02, para	graph 2.7. R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

5.2.1.	Electrically operated		R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	Con	rus	

Symbols according to NEN 3348 (ISO 1219)	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Figure 5.19	Figure 5.20 R1 42 01 05 Understand directive for symplicate exaction
-	R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

## R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Application		R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valve
	corus	

Only for control of:	R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

mile41	
<ul><li>pilot valve</li></ul>	R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	corus
L	

<ul><li>cartridge valves</li></ul>	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
	corus

nuagarana a antus 1 1	
<ul> <li>pressure control valves</li> </ul>	R1 42 01 05
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
c	orus

Technical data	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Connection according to ISO 4401.	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

M 1:	
Medium: mineral oil	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Pressure: maximum 315 bar to the ports A	, B en P maximum 100 bar to port T.
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Note: To assure the valve is working the	pressure in P must be > A en A > T. R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	Tuit 5. Selection control valves / pressure valves
corus	
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Q allowed: in all ports max. 25 l/min.	R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	
Corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Valve equipped with emergency manual of	verride. R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	
Coi us	

Solenoid switching in air.	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Plug according ISO 4400 and equipped wi	th indicator light.
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	Tutt 3. Selection control varves / pressure varves
corus	
corus	

Solenoid voltage 96 V AC! Rectifier in pl	ug from 110 VAC to 96 VDC. <b>Wiring on the</b> R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	1
corus	

print and not to the pins!	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
corus	

Solenoid suitable for 100% continuous op	erating.  R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
corus	

Solenoid power: maximum 46 VA.	R1 42 01 05
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

Maximum 170 VA switch.	
THE PROPERTY OF THE PROPERTY O	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	
corus	5

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Model	
	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	Tart 3. Selection control varves / pressure varves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Cahama 5 0	
Scheme 5.9	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
coru	s

	110 VAC 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

Symbol	Manufacturer	Type
Symbol	ivianuiaciuiei	Type <sub>R1 42 01 05</sub> Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
		•
	corus	
	Coi us	

5.19.	Rexroth	M-3-SEW6-C-3x/420 – MG96-N9K4 R1 42 01 05
		R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
	corus	

5.20. R	exroth	M-3-SEW6-U-3x/420 - MG96-N9K4 R1 42 01 05
	F	Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Walandan Mark I	
Valve types without plug.	R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Type number Rexroth 0313933 suitable f	or 12-240V with built-in rectifier.
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

<b>5.3.</b>	Directional control valves, proportional,	DN10 to 32 size 05 to 10 R1 42 01 05
		Hydraulics-directive for suppliers, erection companies, managers and users
		Part 5: Selection control valves / pressure valv
	corus	

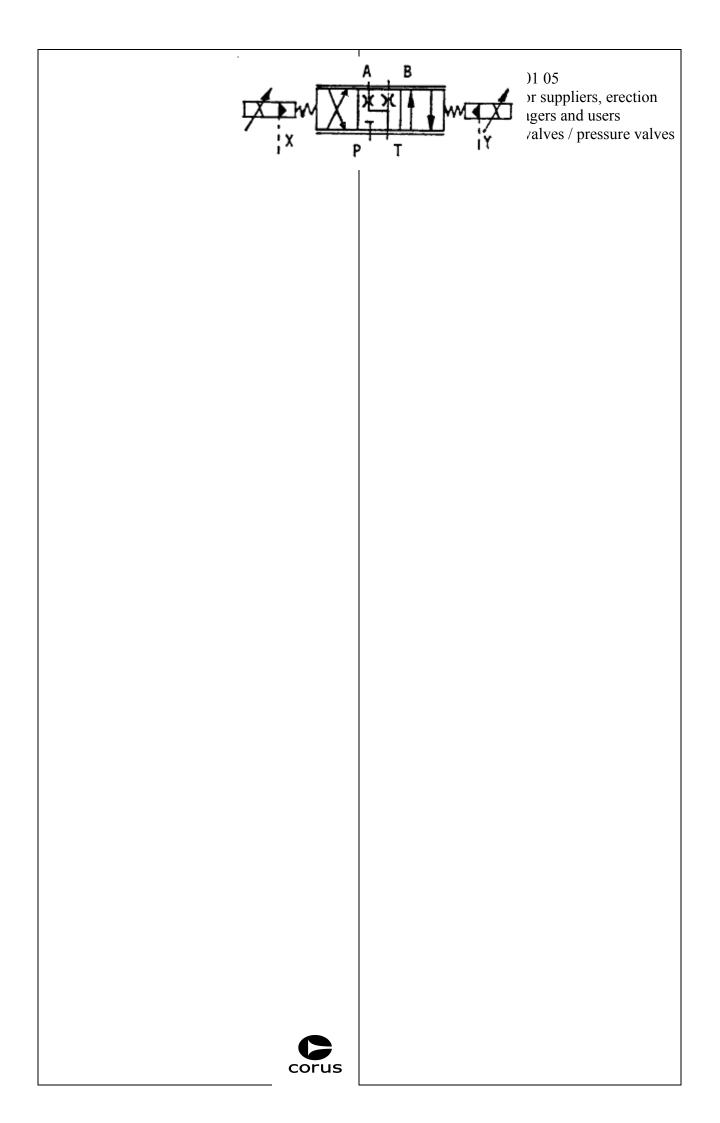
Proportional valves will be used when pre	cise velocities and moreover ramptimes are an R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	art 3. Selection control valves / pressure valves
corus	
corus	

advantage.	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
corus	

5.3.1.	General specifications		R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	CO	Drus	

Symbol according NEN 3348 (ISO 1219)	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valve
corus	

Figure 5.21	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
coru	is



Application	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Control of cylinders and hydraulic motors	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
corus	

Electrical control	
	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	Part 5: Selection control valves / pressure valves
corus	

These valves should be controlled by dedi	cated amplifiercards:
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	Tunto, Soldenion conner (unives) pressure (unives)
_	
corus	
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

- Type number: VT –VSPA2-50-1X/T5	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
corus	

<ul> <li>Manufacturer: Rexroth.</li> </ul>	R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

For all sizes decree 1 1111	italia Adinaturant mid Garanatant
For all sizes the same card will be su	itable. Adjustment with five potentiometers for R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	raite. Selection control varies, pressure varies
cort	us

ramptimes of 0 - 5 sec.	R1 42 01 05
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
	-
cor	
COr	us

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

The cards will be mounted in a proportion	al valve cabinet as described with Corus
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	1
corus	

drawings A85.117 (1 card) and A85.118 (	2 or 3 cards), together with a voltage supply and R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	art 3. Selection control varves / pressure varves
corus	
<u> </u>	L

separate press buttons for testing and com	missioning. This concept must be used; only in R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
_	
corus	
Corus	

very special circumstances deviation is po	ssible. R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

Technical specifications	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Manifold mounting for DN 1	according ISO 4401, with external connection 2 R1 42 01 05	X and Y.
	Hydraulics-directive for supplier companies, managers and upper 5: Selection control valves / pro	isers
	corus	
	corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Scheme 5.10	
Scheme 5.10	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

-			1
	Max. pre	ssure on port (bar) R1 42 01 05	Max.
		Hydraulics-directive for suppliers,	erection
		companies, managers and us	ers
		Part 5: Selection control valves / pres	sure vaives
	corus		
	corus		

R+420+05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves		Τ
Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves		R1 42 01 05 flow *)
companies, managers and users Part 5: Selection control valves / pressure valves		Hydraulics-directive for suppliers, erection
Part 5: Selection control valves / pressure valves		companies, managers and users
COFUS		Part 5: Selection control valves / pressure valves
COFIIS		
COLLS		
COPUS		
OTUS.		
COPUS		
COFUS		
COLLIS		
COFUS		
COPUS		
COLIS		
COLIIS		
COPUS		
COPUS		
COFUS		
COFUS		
COTUS		
COLLE		
COLLIS		
COTUS		
COTUS		
COLUS		
COLLE		
COPUS		
COPUS		
COLIS		
COLLS		
COLUS		
Corus		
33. 43	corus	

DM	P	Т	Λ		D	v	V	1/min
DN	r	1	A	Hydr	B aulics-c	R1 <sup>X</sup> 42 01	Suppliers	l/min
				Hydr Part 5: \$	aulics-c	directive for	suppliers,	
		cor	us					

	10	315	315		31:	315 30-100 30 R1 42 01 05		150
						Hydraulics-directive for supple companies, managers and Part 5: Selection control valves /	d users	
			C	<b>C</b>	S			

16	350	250	350	350	30-100 R1 42 0	1 05	300
16	350	250	]	Hydraulics-	30-100 R1 42 0 directive for nnies, managon control v	r suppliers	·
		corus	5				

25	350	250	350	•	350	30-100 R1 42 C	01 05 30		700
				H Part	ydraulics- compa 5: Selection	directive fo unies, mana on control v	r suppliers	s, erec sers essure	etion valves
		cor	us						

			1					
32	350	150	350	)	350	30-100 R1 42 0	1 05 30	1400
32	350	150		Ну	draulics-	30-100 R1 42 0 directive for inies, managon control v	r suppliers	•
		cor	us					

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

*) This maximum flow is valid for the larg	gest spool at a pressure drop from P to A and R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	Turt 3. Scientific Control varves / pressure varves
corus	
corus	

from B to T of 50 bar respectively.	R1 42 01 05
	Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	Tart 3. Selection control varves / pressure varves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Pilot valve with manual override.	
and the manual of office.	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	
corus	

Pilot pressure and return are externally.	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Solenoid switch in oil and are suitable for	100% continuous operating.
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

a	
Solenoid voltage: 0 - 24 VDC.	R1 42 01 05
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	
corus	

Electrical connection with one plug per so	lenoid.  R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
corus	

The plug according ISO 4400, without ind	icator light. R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

Main spools of all valves is secured against	st spinning. Full bore side of the cylinder to be R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

connected with A-port. For a load indeper	dent control, a pressure compensator (sandwich R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

valve) may be used:	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Q (A) : Q (B) = 1:1 see Scheme 5.11. or	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	P. C.
corus	

	,
Q (A): Q (B) = 2:1 see Scheme 5.12.	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Scheme 5.11	
Scheme 3.11	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Q(A): Q(B) = 1:1	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

	Symbol	DN	Manufact	cturer Type R1 42 01 05
_	<u>,                                    </u>			Hydraulics-directive for suppliers, erection companies, managers and users
				Part 5: Selection control valves / pressure valves
			corus	

S.21   10   Rexroth   4wR/10w5-25-30/4f(g2480s(4M)   F42 0°10   Hydraulies-directive for suppliers, erection companies, managers and users   Part 5: Selection control valves / pressure valves   Part 5: Selection control valv	<u> </u>	5.01	1	<u> </u>	AND TANK OF TO LODGE WAY IS A
companies, managers and users Part 5: Selection control valves / pressure valv		5.21	10	Rexroth	4WRZ10W6-25-70 / 6EG24N9K4/M R1 42 01 05
					Hydraulics-directive for suppliers, erection companies managers and users
COPUS					Part 5: Selection control valves / pressure valves
COPUS					
COTUS					
COLUS					
COPUS					
corus					
COPUS					
corus					
				corus	

	5.21	10	Rexroth	4WRZ10W6-50-70 / 6EG24N9K4/M
				4WRZ10W6-50-70 / 6EG24N9K4/M R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
			corus	

1	5.21	10	Rexroth	4WR710W6-85-70 / 6FG24N9K4/M
	J. 41	10	IXCATOUI	4WRZ10W6-85-70 / 6EG24N9K4/M R1 42 01 05 Hydraulics-directive for suppliers, erection
				companies, managers and users
				Part 5: Selection control valves / pressure valves
			corus	
			corus	

5.21	16	Rexroth	4WRZ10W6-100-70 / 6EG24N9K4/M R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users
			Part 5: Selection control valves / pressure valves
			•
		corus	
		corus	

5.21	16	Rexroth	4WRZ10W6-150-70 / 6EG24N9K4/M R1 42 01 05
			Hydraulics-directive for suppliers, erection companies, managers and users
			Part 5: Selection control valves / pressure valves
		corus	
		Corus	

5.21	25	Rexroth	4WRZ10W6-220-70 / 6EG24N9K4/M R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users
			Part 5: Selection control valves / pressure valves
			•
		corus	
		corus	

			<del> </del>
5.21	25	Rexroth	4WRZ10W6-325-70 / 6EG24N9K4/M R1 42 01 05
			Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
		corus	

5.21	32	Rexroth	4WRZ10W6-360-70 / 6EG24N9K4/M R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users
			Part 5: Selection control valves / pressure valves
			1
		corus	
		Coi us	

5.21	32	Rexroth	4WRZ10W6-520-70 / 6EG24N9K4/M R1 42 01 05
			Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
		_	
		corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Sahama 5 12	
Scheme 5.12	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
corus	

	<del></del>
Q(A): Q(B) = 2:1	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Symbol DN Manufacturer Types R142 0105  Hydraulies-directive for suppliers, crection companies, managers and users Part 5: Selection control valves / pressure valves	Г	Ι			<del></del>
companies, managers and users Part 5: Selection control valves / pressure valves		Symbol	DN	Manufact	K1 42 01 05
Part 5: Selection control valves / pressure valves					Hydraulics-directive for suppliers, erection
					Part 5: Selection control valves / pressure valves
corus					
COTUS					
corus					
				corus	

	5.21	10	Rexroth	4WRZ 10 W8 85-70 / 6EG24N9K4/M
		•		4WRZ 10 W8 85-70 / 6EG24N9K4/M R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
			corus	

5.21	16	Rexroth	4WRZ 16 W8 150-70 / 6EG24N9K4/M R1 42 01 05
			Hydraulics-directive for suppliers, erection companies, managers and users
			Part 5: Selection control valves / pressure valves
		corus	
		corus	

5.21	25	Rexroth	4WRZ 25 W8 325-70 / 6EG24N9K4/M R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users
			Part 5: Selection control valves / pressure valves
			1 art 3. Selection control varves / pressure varves
		corus	
		corus	

5.21	32	Rexroth	4WRZ 32 W8 520-70 / 6EG24N9K4/M R1 42 01 05
			Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
		corus	
		corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Valve types are without plugs.	
varve types are without plugs.	R1 42 01 05
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

Type Rexroth plug 00074683 (grey) or 00	074684 (black). R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	1
corus	
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

5.4.	Pressure reducing valves, DN 10 to 32	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valve
	corus	

5.4.1. Application	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Two way pressure reducing valves are fo	r general application, for example as a source for R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

pilot pressure on manifoldblocks.	R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	
Corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Three way pressure reducing valves are f	or maintaining a pressure in a part of the system, R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	

0.11 1.10 7.	1
by means of either reducing from P to A,	or limiting from A to T. The total hysteresis is in R1 42 01 05  Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	

general smaller than can be achieved by separated reducing and pressure relief valves.  R1 42 01 05	
Hydraulics-directive for suppliers, erecti	on
companies, managers and users Part 5: Selection control valves / pressure v	alves
Tanto Control van	, •5
corus	

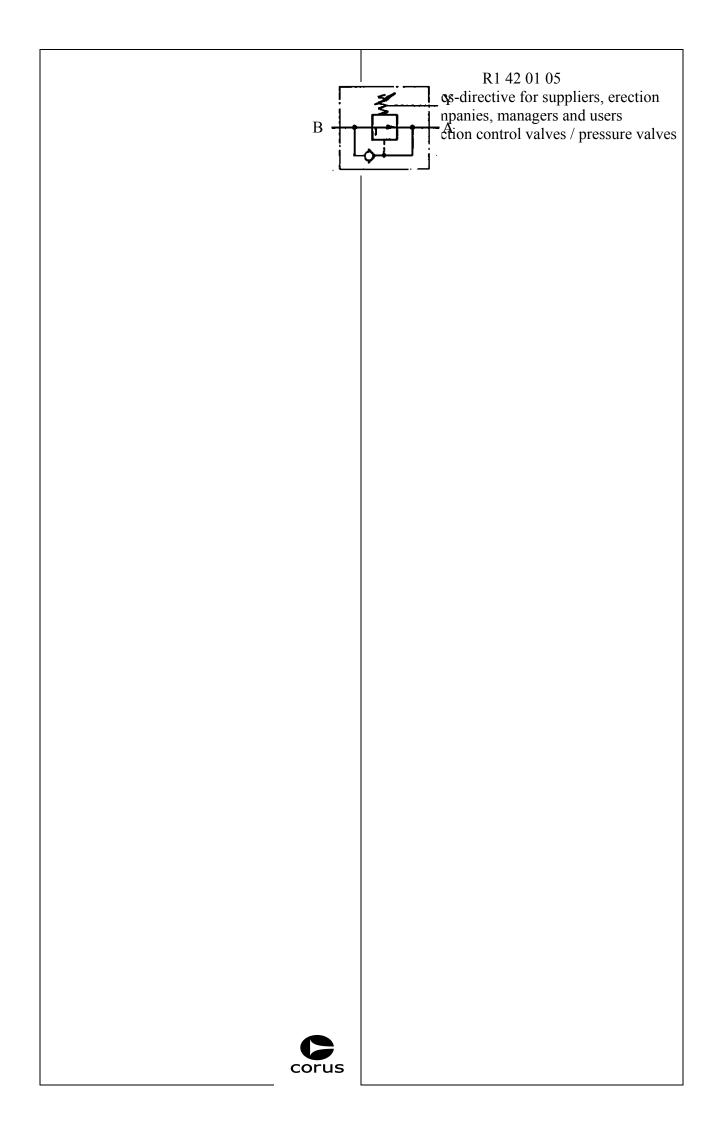
	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

D 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 1 21 120 10 1
Due to interchangeability, the pres	ssure and flow values are possibly different from the R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
CC	orus (

5.4.2.	Two way pressure reducing valve, man	ifold mounting R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	

Symbol according NEN 3348 (ISO 1219)	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valve
corus	

Figure 5.22	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
cor	rus



Technical specifications	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Type of mounting: according ISO 4401	R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Medium: mineral oil.	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Manufacture and type numbers	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

C.L. 512	
Scheme 5.13	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
cor	us

Т	DAT	D.,	(l-n) Manuel By 1
Туре	DN	Pressure	161 12 01 03
			Hydraulics-directive for suppliers, erection companies, managers and users
			Part 5: Selection control valves / pressure valves
		corus	
	•	corus	

	van	tot turer R1 42 01 05 1/min
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	
	COI US	

	DR-10-5-50/50Y	10	1	0 5	0	Rexroth	315 R1 42 01	50	
					Ну	draulics-di	rective for	suppliers.	erection
					Part 5	compan : Selection	ies, manago control va	ers and us lves / pres	ers ssure valves
			_						
				rus					
				. 43					

DR-10-5-50/100Y	10 1	100		D1 12 01		
		Ну	draulics-dir	R1 42 01 (ective for s	suppliers, er	ection
			compani	es, manage	rs and users ves / pressu	}
		Part 3	: Selection	control var	ves / pressu	re vaives
	corus					
	corus					

	DR-10-5-50/315Y	10 3	15	
	DK-10-3-30/3131	10 3		R1 42 01 05
			Ну	draulics-directive for suppliers, erection companies, managers and users
			Part 5	: Selection control valves / pressure valves
				1
		corus		
1		corus		

		T
XCG2V-6BW-10	10 5 7	Vickers 350 50 R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valves
		Part 5: Selection control valves / pressure valves
	corus	
	corus	

XCG2V-6FW-1	10	5 2	0 81 42 01 05
	· · · · · · · · · · · · · · · · · · ·		K1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users Part 5: Selection control valves / pressure valves
			Part 5: Selection control valves / pressure valves
		corus	
		coi us	

XCG2V-6GW-10	5 33	R1 42 01 05
		Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	corus	

DR-20-5-50/100Y 25 10 100 Rexroth 315 R1 42 01 0 Hydraulics-directive for su	appliers, erection
Hydraulics-directive for su	appliers, erection
	s and users
companies, manager Part 5: Selection control valv	es / pressure valve
Tutt 3. Selection control valv	es / pressure varve.
corus	

DR-20-	5-50/315Y	10 31	5
	1	•	R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users Part 5: Selection control valves / pressure valves
			Part 5: Selection control valves / pressure valves
		_	
		corus	
		corus	

XCG2V-8FW-10	25	5 2	210 Vickers 350 200 R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users
			Part 5: Selection control valves / pressure valves
	-	corus	
		Lorus	

	,	
XCG2V-8GW-10	5 33	0 0 0 0 0 0 0
		Hydraulics-directive for suppliers, erection
		companies managers and users
		companies, managers and users Part 5: Selection control valves / pressure valves
		Ture of Serection control various / pressure various
	corus	
	corus	
1		

DR-30-2-3x/100Y	32 10	100 Rexroth 315 R1 42 01 05	300
		Hydraulics-directive for supp	liers, erection
		companies, managers and Part 5: Selection control valves	nd users
		Tart 5. Selection control valves /	pressure varves
	corus		
	corus		

DR-30-2-3x/315Y	10 3	5 R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		companies, managers and users Part 5: Selection control valves / pressure valves
	corus	

XCG-10-3F-21-UG	32 16	210 Vickers 210 280 R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	
	corus	5

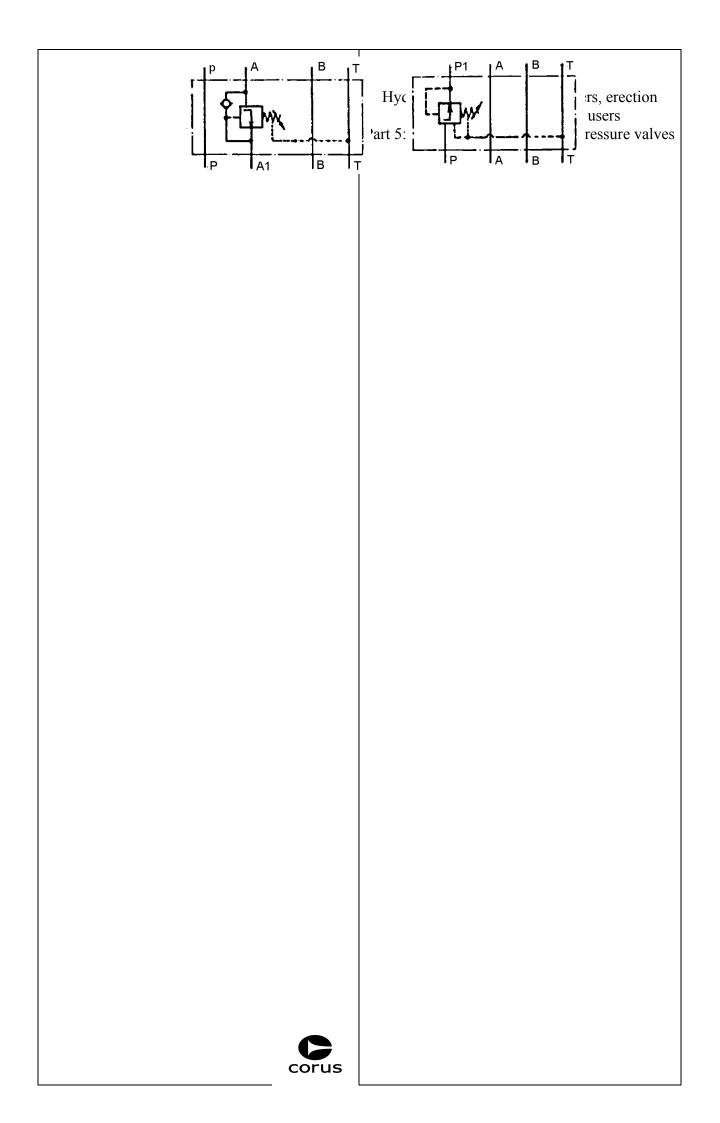
	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Note: in case of pilot operation, connectio	n via Y port in manifold only
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

5. <i>4.3</i> .	Two way pressure reducing valve, sandwi	ch type R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	
	corus	

Symbol according NEN 3348 (ISO 1219)	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valve
corus	

E: 5 22	Figure 5.24
Figure 5.23	Figure 5.24 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	Parameter Same
_	
corus	
corus	



	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Manufacturer and type numbers	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Scheme 5.14	
Scheme 5.14	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Symbol	Туре		DN	Pressure range <sub>R1</sub>	Manufact	PN bar	Flow in
- , [	- J r <del>-</del>			Hydraulics-directive	ve for supp	oliers, ere	
				companies, n t 5: Selection cont	nanagers a	nd users	
			1 ai	t 3. Selection cont	ioi vaives	/ pressure	varves
		corus					
		corus					

		ļ ,			I	
			bar	R1 42 01 05		l/min
·		I	Iydraulics-dir	ective for supp	oliers, ere	ction
			compani	es, managers a control valves	nd users	
		Part	5: Selection	control valves	/ pressure	e valves
	_					
	corus					
	corus					

	7DD 10374 5 20/10037	10		00	D a 41-	215	40
	ZDR-10VA-5-30/100Y	10	5 –1	K	Rexroth 1 42 01 05	315	ı
			Hyarauncs comi	s-airect panies.	ive for supp managers a	nd users	ction
		Par	t 5: Select	ion cor	ntrol valves	/ pressure	e valves
	corus						

	<del></del>
ZDR-10VA-5-30/200Y	5 - 200 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	
20.43	

		1				
5.23.	DGMX2-5-PA-BW-B-30	10	8 - 100	Vickers 1 42 01 05	315	40
		Hyd	raulics-direc	tive for supp	oliers, ere	ction
			companies	, managers a	nd users	
		Part 5:	Selection co	ntrol valves	/ pressure	e valves
	corus					
	COTUS					

	T
DGMX2-5-PA-GW-B-30	8 - 315 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	
corus	
<u> </u>	

_		
	ZDR-10VP-5-30/100YM	10 5 - 100 Rexroth 315 40
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valves
		Fart 5. Selection control valves / pressure valves
	corus	

<u> </u>		
	ZDR-10VP-5-30/200YM	5 - 200 R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	
	corus	

		1				1
5.24.	DGMX2-5-PP-BW-B-30	10	8 - 100	Vickers 1 42 01 05	315	40
			aulics-direc companies.	tive for supp managers a ntrol valves	nd users	
	corus					

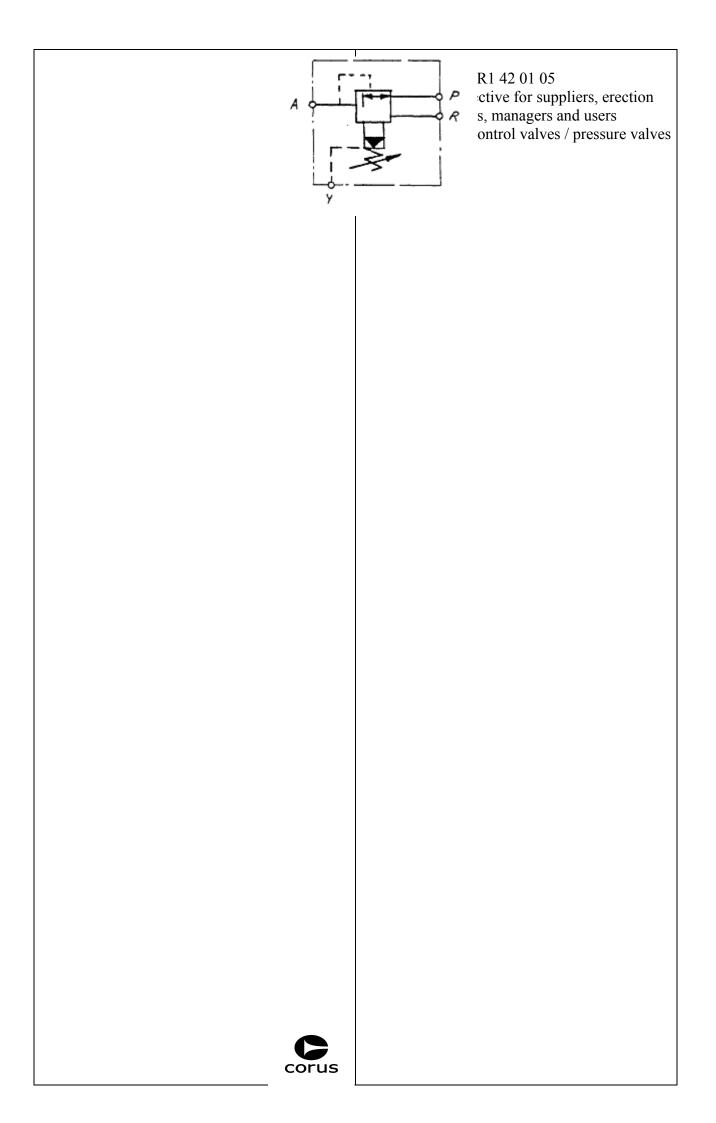
DGMX2-5-PP-GW-B-30	8 - 315 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	1 art 3. Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

. <i>4.4</i> .	Three way pressure reducing valve, man	fold mounting R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valves
	_	
	corus	

Symbol according NEN 3348 (ISO 1219)	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Figure 5.25	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
coru	s S



Technical specifications	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Type of mounting: according ISO 4401, s	ee Technical Directive R1 42 01 02, R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	Tart 3. Selection control varves / pressure varves
corus	

norgaranh 2.7	
paragraph 2.7.	R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Medium: mineral oil	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	Tare 3. Selection control varves / pressure varves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Cal 7.17	
Scheme 5.15	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
cor	rus

Туре	DN	Pr	essure range	Manufac o Posbar	Flow max.
			Hydraulics	s-directive for supplied panies, managers and	rs, erection
			Part 5: Select	tion control valves / pr	ressure valves
			1 010 0 1 201000	acir conver (wr) co / pr	
	corus	5			

		bar	turer R1 42 01 05	l/min
		Hydraulic com	s-directive for supplie	rs, erection users
		Part 5: Selec	panies, managers and tion control valves / p	ressure valves
	corus			

1	1DD 10D7 (0/100310037	10	0 100		215	1 00
	3DR-10P5-60/100Y 00 M	10	0 - 100	Rexroth R1 42 0	1 05	80
			Hydraulic	es-directive fo apanies, mana	r supplic	ers, erection
			Part 5: Selec	tion control v	alves / p	ressure valves
		corus				
		corus				

	3DR-10P5-60/210Y 00 M		0 - 210	R1 42 0	1 05	
			Hydraulic	es-directive fo	r supplie	rs, erection
			com	ipanies, mana	gers and	users
			Part 5: Selec	tion control v	alves / p	ressure valves
		corus				
		corus				
L			<u> </u>			

3DR-16P5-50/100Y 00 M  16  0 - 100  Rexroth R1 42 01 05  Hydraulics-directive for suppliers, era companies, managers and users Part 5: Selection control valves / pressur	
Hydraulics-directive for suppliers, erc companies, managers and users	
companies, managers and users	
Part 5: Selection control valves / pressur	e valves
corus	
corus	

					1
3DR-16P5-50/210Y 00 M		0 - 210	D1 42 0	1.05	
		com	R1 42 0 s-directive fo panies, mana	r supplie gers and	users
		Part 5: Select	tion control v	alves / p	ressure valves
	corus				

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

5.5.	Pressure reducing valves, proportiona	K1 42 01 05
		Hydraulics-directive for suppliers, erection companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	

5.5.1. Application		R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
	corus	

Proportional pressure reducing valves will	be used for reducing of systems pressure from P R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	•
corus	
corus	

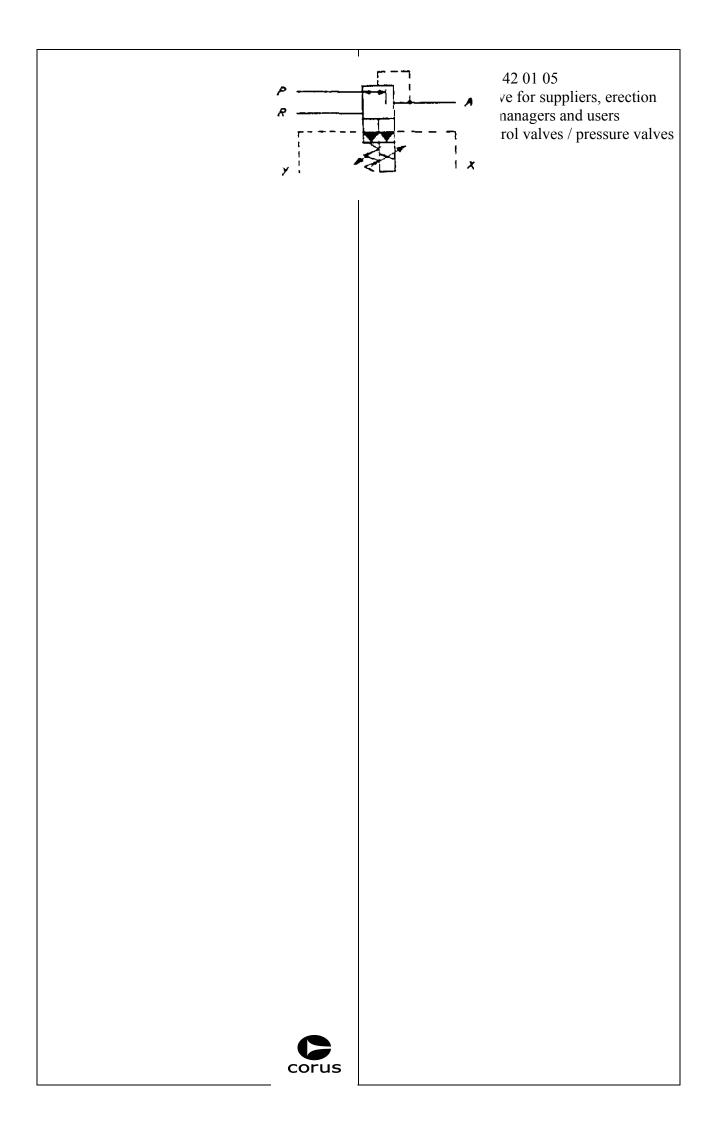
to A and limiting of the pressure from A to	o R. The valve is commonly used for pressure R1 42 01 05
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

control (force control).	R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	raite: Selection control varies, pressure varies
	Drus -
	oi us

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Symbol according NEN 3348 (ISO 1219)	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Figure 5.26	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	



5.5.2.	Electrical connection	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valve
	corus	

With a plug (ISO 4400) on the solenoid. C	ontrol with an amplifier card VT-3006-S30-R5.
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

Manufacturar Dayrath built in according	Corns drawing 684 504 or 684 505 Daviation
ivianulaciulei Kexioui, built in according	Corus drawing 684.594 or 684.595. Deviation R1 42 01 05  Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	

only in exceptional cases.	R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	1 art 3. Selection control valves / pressure valves
corus	

5.5.3.	Technical specifications	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valve
	corus	

Type of mounting according ISO 4401,	with separate bores for X and Y.
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

Salanaid gwitches in ail	
Solenoid switches in oil.	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

Continuation operating 100%.	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Voltage 0.24V	
Voltage 0-24V=.	R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
СО	orus

5.5.4.	Manufacture and type number	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	cor	us

Schomo 5 16	
Scheme 5.16	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Manufacturer Rexroth		DN R1 42 01 Max. pressure bar
	•	Hydraulics-directive for suppliers, erection companies, managers and users
		Part 5: Selection control valves / pressure valves
_		
coru	ıs	

3 DRE M 10P60/100 XY G24K4V	10 100
	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

3 DRE M 10P60/200 XY G24K4V	10 200
J DRE III 101 00/200 AT GZ IKTY	R1'42 01 05
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	
corus	

	T
3 DRE M 16P60/100 XY G24K4V	16 P1 42 01 05 100
	R142 01 05  Hydraulias directive for suppliers, creation
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	rait 3. Selection control valves / pressure valves
corus	

3 DRE M 16P60/200 XY G24K4V	16 R1 42 01 05 200
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
	F
_	
corus	
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

5.6.	Flow control valves (pressure compensat	ed)
		K1 42 01 05
		Hydraulics-directive for suppliers, erection companies, managers and users
		Part 5: Selection control valves / pressure valves
		F
	corus	
	corus	

5.6.1. Application	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

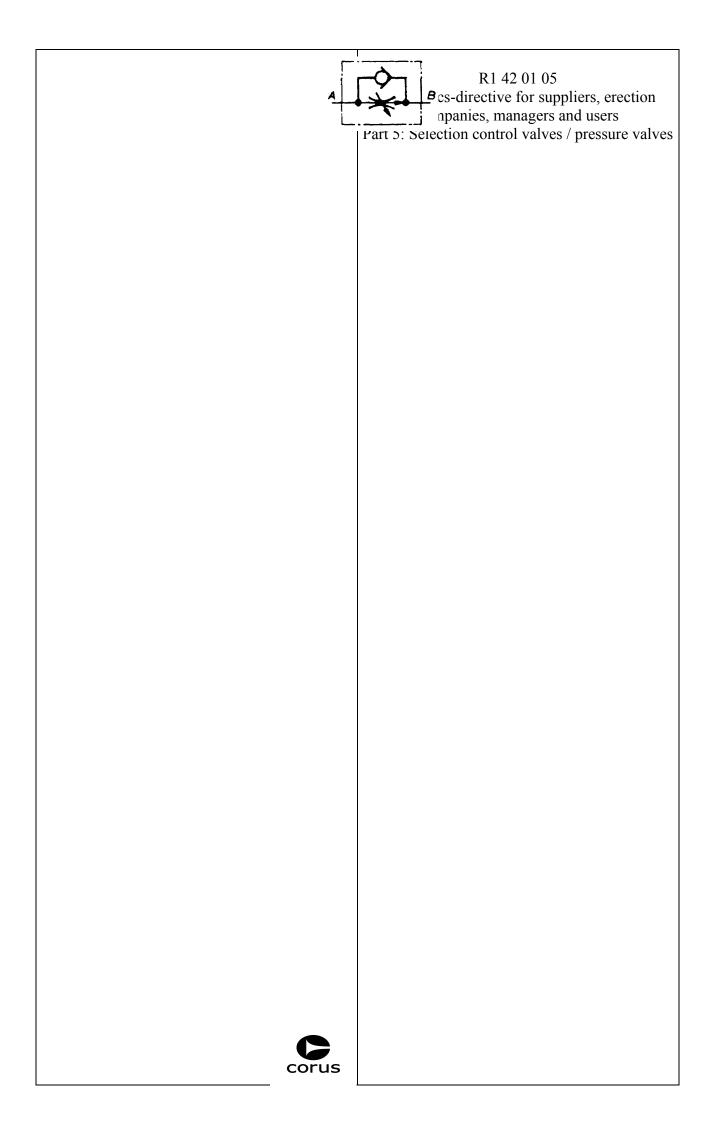
Flow control valves will be used for keepi	ng adjusted flow constant, independent of the R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	rate of solicon control various prossure various
corus	

pressure involved.	
pressure involved.	R1 42 01 05
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

.6.2.	Flow control valves, manually operated,	nanifold mounting R 1 42 01 05
		Hydraulics-directive for suppliers, erection companies, managers and users
		Part 5: Selection control valves / pressure valv
	corus	

Symbol according NEN 3348 (ISO 1219)	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Figure 5.27	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	S



Technical specifications	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves		
corus			

Cohomo 5 17	
Scheme 5.17	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

Manufacturer	Type	DN P max.(bax)01 Adjustable to (1/min)		
ivianuiaciui ei	Type	DN P max.(bax) <sub>01</sub> Adjustable to (1/min) Hydraulics-directive for suppliers, erection		
		companies, managers and users Part 5: Selection control valves / pressure valves		
	corus			

	2EDM 5 20/2OD		210	
Į.	2FRM-5-30/3QB	5	<sup>210</sup> R1 42 01 05	3
		Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves		
	_			
	corus			
	corus			

Rexroth	2FRM-10- 30/16LB	10 315 R1 42 01 05 16
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valves
	corus	

4551440 40/5015			
2FRM-10- 30/50LB	10	315 R1 42 01 05	50
	Hydraulio con Part 5: Selec	es-directive for suppl npanies, managers ar etion control valves /	liers, erection ad users pressure valves
corus			

	2FRM-16- 30/100LI	3 16	315 R1 42 01 05	100
'		Hydraul	ics-directive for suppl	iers erection
		CO	mpanies, managers an	d users
		Part 5: Sele	ection control valves /	pressure valves
	corus			
	corus			

2FRM-16- 30/160LI	3 16 315 160 R1 42 01 05	0
	Hydraulics-directive for suppliers, er companies, managers and users Part 5: Selection control valves / pressu	S
corus		

	MSA-30E	P-300B	30	210 R1 42 01	300	
			Hydraul	ics-directive for		ection
			COI	mpanies, manag	ers and users	
		Pa	rt 5: Sele	mpanies, manag ection control va	lves / pressur	e valves
		<b>D</b> orus				
I	CC	ע uS				

Violena	ECC 02 2200 50	10	250	25
Vickers	FCG-02-2300-50	10	250 R1 42 01	05
		Hydrauli	cs-directive for	suppliers, erection
		COI	npanies, manage	ers and users
		Part 5: Sele	ction control val	lves / pressure valves
	corus			
	corus			

FCG-03-28-22-UC	16 210 100 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies managers and users
	companies, managers and users Part 5: Selection control valves / pressure valves
	Tart 5. Selection control varves / pressure varves
corus	
Corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

<b>5</b> .7.	Throttle/non-return valves and needle v	alves (not pressure compensated) R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valves
		Tart 5. Befection control varves / pressure varves
	corus	
	corus	

5.7.1. Application	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves

Throttle valves are used for restriction of a	flow. While no pressure compensation is
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	Ture 3. Serection control varves / pressure varves
_	
corus	
corus	

available, the speed trim is only globally p	ossible. Only valves with a check valve will be R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	1
corus	
20.43	

	<del>-</del>
used.	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	Part 3. Selection control valves / pressure valves
corus	

5.7.2.	Throttle/non-return valves, internally thr	R1 42 01 05
		Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
		r · · · · · · · · · · · · · · · · · · ·
	corus	

Manufacturer: Rexroth	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	
corus	

Symbol according NEN 3348 (ISO 1219)	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valve
corus	

Figure 5.28	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	I
L	R1 42 01 05
i	s-directive for suppliers erection
<u> </u>	s-directive for suppliers, erection panies, managers and users  Part 5: Selection control valves / pressure valves
_	Part 5: Selection control valves / pressure valves
	Turver services consider that test proceeds that test
corus	
corus	

Technical specifications	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Scheme 5.18	
Scheme 5.16	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	\	1 ~		n :	T1 3.5 1/ 1				
Туре	NW	Co	nnection R"	Prinax2 har 05	Flow Max. l/min				
			Hydraulics	-directive for supp	oliers, erection				
			companies, managers and users Part 5: Selection control valves / pressure valves						
			2 and 2. Selection control varves / pressure varve						
	cor	7							
	cor	us							

MK-6G1.2/V	6	1/4"	215	10			
IVIK-001.2/ V	U		315 R1 42 01 05	•			
		Hydraulic	s-directive for sup	pliers, erection and users			
		companies, managers and users Part 5: Selection control valves / pressure valve					
	corus						
	Corus						

1		1		1		•			
	MK-8G1.2/V		8	1	3/8"		315 R1 42 01	05	20
					Hydrau	lics-dire	ective for	suppliers	s, erection
					Part 5: Sel	ompanie lection c	es, manage control val	ers and u  ves / pre	sers ssure valves
								•	
			_						
			coru	•					
			coru	ıs					

MK-10G1.2/V	10	1/2"	215	40
WK-10U1.2/V	10		315 R1 42 01 05	
		Hydraulics	s-directive for supp panies, managers a	pliers, erection
		Part 5: Select	tion control valves	/ pressure valves
				, P
	corus			

1	W 1501 27	- <u> </u>	1.5	1	2/4"	I	215		(0)
M	K-15G1.2/V	V	15		3/4"		315 R1 42 01	05	60
					Hydrau	ulics-dire	ective for	suppliers	s, erection
					Part 5: Se	election c	ontrol val	ves / pre	sers ssure valves
								-	
			CO	rus					
					1				

MK-20G1.2/V	20	1" 315 100
IVIK-2001.2/ V	<b>4</b> 0	R1 42 01 05
		Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
		Part 5: Selection control valves / pressure valves
	corus	
	corus	

1	ī	1	<u> </u>
	MK-25G1.2/V	25	1 1/4" 315 125 R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users Part 5: Selection control valves / pressure valves
			1
		corus	

MV 2001 207	20	1 1/2"	215	200
MK-30G1.2/V	30	1 1/2"	R1 42 01 05	200
		Hydraulic	s-directive for supp	oliers, erection
		Part 5: Select	panies, managers a tion control valves	nd users / pressure valves
		art 3. Sciect	tion control varves	pressure varves
	corus			

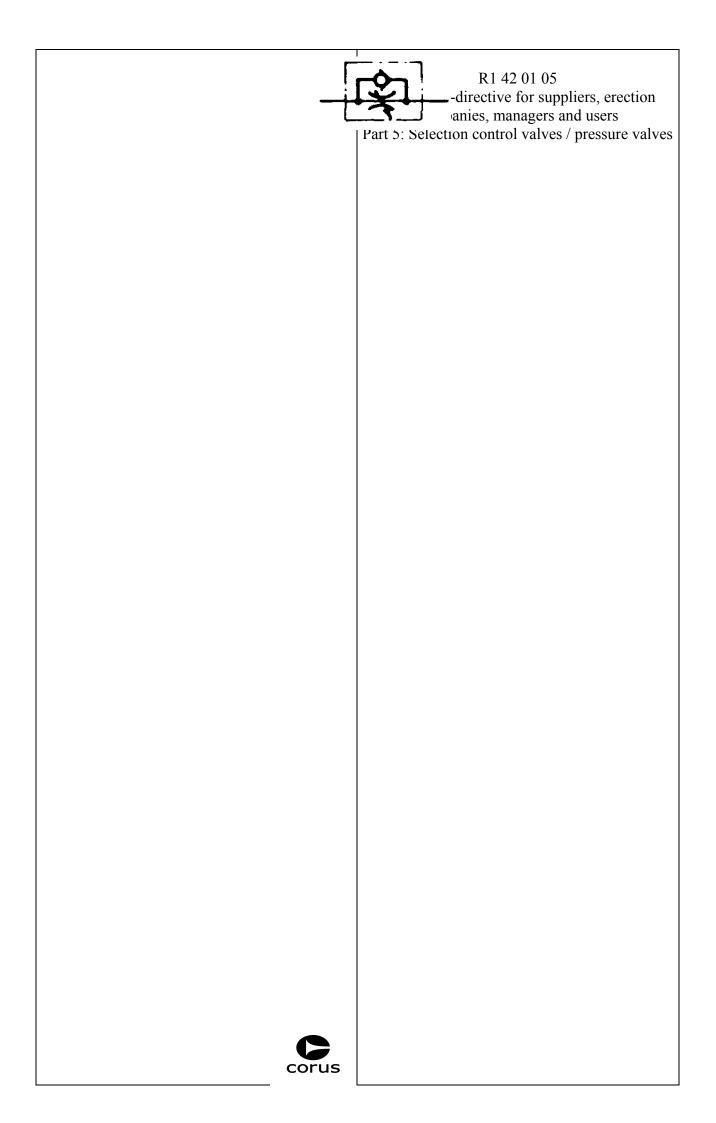
	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

5. <i>7.3</i> .	Throttle/non-return valves, manifold mod	inting P1 42 01 05
		R1 42 01 05 Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	
	corus	

Symbol according NEN 3348 (ISO 1219)	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valve
corus	

Figure 5.29	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
COI	rus



M P D I II '0 DN 280/240	
Manufacture: Parker Hannifin, PN 350/210	R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	
Corus	

Scheme 5.19	
Scheme 5.19	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

,			-	
Туре	NW P m	ax. bar	K1 72 01 03	l/min
			Hydraulics-directive for suppliers, companies, managers and us	ers
			Part 5: Selection control valves / pres	sure valves
		rus		
	CO	เนร		

		restricted flow free flow
		Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	corus	
	corus	

			T .	
FS-20	00-S-10 6	350	10 R1 42	20
			Hydraulics-directive f	
			companies, man	agers and users
			Part 5: Selection control	valves / pressure valves
				,,, F
		corus		
		corus 		

			T	
FS-400-S-10	8	350	20 R1 42 01 03	40
			Hydraulics-directive for su	ppliers, erection
			companies, managers Part 5: Selection control valve	and users
			Part 5: Selection control valve	es / pressure valves
		corus		
		corus		

FS-600-S-10	10	350	40	R1 42 01 05	60
			Hydraulics-dir	rective for suppli	ers, erection
			compani	es, managers and	d users
			Part 5: Selection	control valves / 1	pressure valves
		_			
		corus			
		corus			
			1		

1	0.0.16	<u> </u>		1
FS-80	0-S-10 1	2 350	50 R1	100
			Hydraulics-directi	ive for suppliers, erection
			companies,	managers and users
			Part 5: Selection con	trol valves / pressure valves
		corus		
		Corus		

FS-1200-S-10	16	210	100 R1 42 0	130
			Hydraulics-directive for	suppliers, erection
			companies, manag	gers and users
			Part 5: Selection control va	alves / pressure valves
		corus		
		corus		
			İ	

FS-1600-S-10	20	210	250	270
			R1 42 Hydraulics-directive f	or suppliers erection
			companies. man	agers and users
			companies, man Part 5: Selection control	valves / pressure valves
				1
		corus		

FS-2000-S-10	25	210	250 R1 42 01	400
			Hydraulics-directive for	
			companies, manag	gers and users
			Part 5: Selection control va	alves / pressure valves
		corus		
		corus		

FS-2400-S-10	30	210	250	500
			R1 42 ( Hydraulics-directive fo	or suppliers erection
			companies. mana	agers and users
			companies, mana Part 5: Selection control	valves / pressure valves
				1
		_		
		corus		
		corus		

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Manufacture: Hydac, PN 350	R1 42 01 05
	Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

These valves are interchangeable with val	ves of equal DN of Parker Hannifin. R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	1
corus	
corus	

Scheme 5.20	
Scheme 5.20	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Type NW P max. bar Flow Max <sub>R1</sub> 42 01 05 I/mit Hydraulics-directive for suppliers, erec companies, managers and users Part 5: Selection control valves / pressure	tion
companies, managers and users	
Part 5: Selection control valves / pressure	valves
corus	

		restricted flow free flow
		Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
	Corus	

DRVP-6-1.0/0-P	6	350	10	20
DK V1 -0-1.0/U-F	U	330	K1 42 01 05	
			Hydraulics-directive for sup	pliers, erection
			companies, managers Part 5: Selection control valves	s / pressure valves
				Processing
		corus		

1	1 1			
DRVP-8-1.0/0-P	8	350	20 R1 42 (	01 05
			Hydraulics-directive for	or suppliers, erection
			companies, mana	gers and users
			Part 5: Selection control v	valves / pressure valves
		corus		
		corus		

DRVP-10-1.0/0-P	10	350	40 R1 42 01 05	60
			Hydraulics-directive for suppli	ers, erection
			companies, managers and Part 5: Selection control valves / j	d users
			Part 5: Selection control valves /	pressure valves
		Corus		
	(	corus		

DD1/D 12 1 0/0 P	12	250	1 50	<u> </u>	100
DRVP-12-1.0/0-P	12	350		R1 42 01 05	100
			Hydraulics-dire	ective for suppl	liers, erection
			companie Part 5: Selection of	control valves /	pressure valves
		_			
		corus			
		corus			

DRVP-16-1.0/0-P	16 350	100 R1 42 01 05	130
		Hydraulics-directive for suppl	iers, erection
		companies, managers an Part 5: Selection control valves /	d users
		Fait 3. Selection control valves/	pressure varves
	_		
	corus		
	corus		

DDVD 20 1 0/0 P	l 20 l	250	250	<u> </u>	270
DRVP-20-1.0/0-P	20	350	250	R1 42 01 05	270
			Hydraulics-d	irective for supp	pliers, erection
			Part 5: Selection	n control valves	and users / pressure valves
		corus			

DRVP-25-1.0/0-P	25 350	250 R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valves
		Part 5: Selection control valves / pressure valves
	_	
	corus	
	corus	

DRVP-30-1.0/0-P 30 350 250 R1 42 01 0 Hydraulics-directive for so companies, manager Part 5: Selection control valv	uppliers, erection
Hydraulics-directive for s companies, manager Part 5: Selection control valv	uppliers, erection rs and users res / pressure valves
Part 5: Selection control valv	ves / pressure valves
corus	

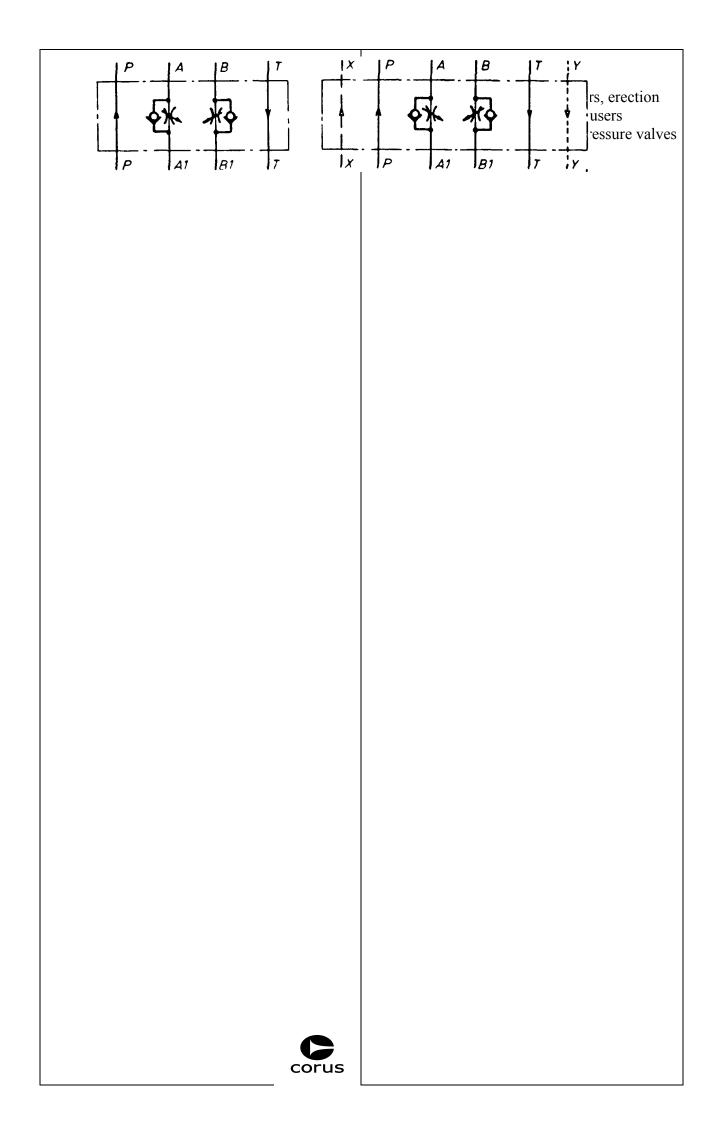
	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

5. <i>7.4</i> .	Throttle/non-return valves, sandwich type	,
	y <sub>F</sub> .	K1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valves
		Ture 3. Selection condor varves / pressure varves
	corus	
	corus	

Symbols according NEN 3348 (ISO 1219)	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

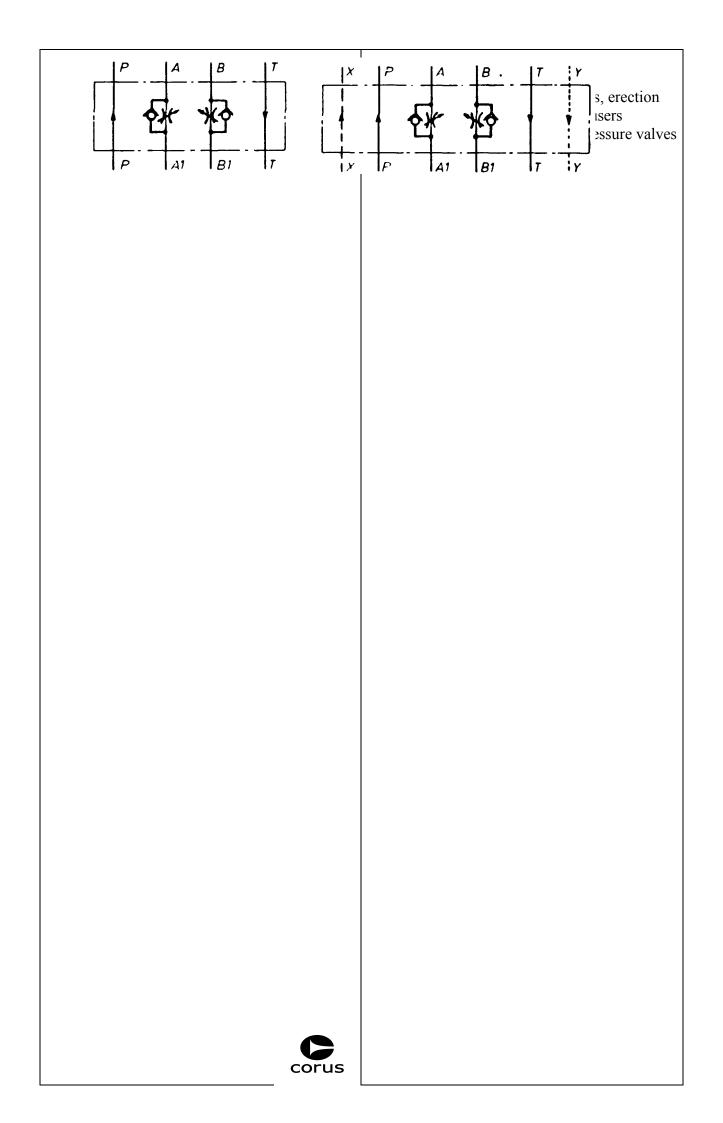
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Figure 5.30	Figure 5	R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users
	F	Part 5: Selection control valves / pressure valves
	corus	
	Corus	



Meter-in restriction	Meter-in restriction R1 42 01 05
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
c	corus

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Figure 5.32	Figure	5 33
riguic 3.32	rigure	K1 42 01 03
		Hydraulics-directive for suppliers, erection companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	



Meter-out restriction	Meter-out restriction R1 42 01 05	
	Hydraulics-directive for suppliers, erec companies, managers and users	etion
	Part 5: Selection control valves / pressure	valves
	corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Technical specifications	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Scheme 5.21	T
SCHCIIC 3.21	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	•
corus	
Corus	

Manufac	Symbol	Туре	DN R <sub>1</sub> P <sub>4</sub> max.(bar) Adjustable
•			Hydraulics-directive for suppliers, erection
			companies, managers and users Part 5: Selection control valves / pressure valve
			Tare 5. Selection condition variety pressure variety
		corus	

1			
	turer		R1 42 01 05 (l/min)  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
			Part 5: Selection control valves / pressure valves
		corus	

Rexroth	5.30 + 5.32	Z2FS-6-5-40/V		6 R1 42 $0.05$	25
			Hydrauli	cs-directive for suppli	ers, erection
			Part 5: Selec	npanies, managers and ction control valves / 1	d users pressure valve
			1 420 0 1 2 0 10 1		Y1 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1
		corus			
		corus			

						П	
		5.30 + 5.32	Z2FS-10-5-30/V		10 R1 42 315 05	50	
	•			Hydroul	ics-directive for supp		
				пушаші	mpanies, managers ar	nd users	
				Part 5: Sele	ection control valves	nressure valves	
				Tart 5. Bei	ction control varves	pressure varves	
			_				
			corus				
1							

	5 2 1	Z2FS-22-30/S		25	250	250
l	5.31	Z2F3-22-30/8	TT 1	23 R	1 42 01 05	•
			Hydraulic	cs-direc	tive for suppli	ers, erection
			Part 5: Selec	ction co	ntrol valves /	d users pressure valves
		corus				
		corus				

5.33	Z2FS-22-30/S2		25 R	1 42 01 05	250
5.33	Z2FS-22-30/S2	Hydraulic com Part 5: Selec	es-direc	1 42 01 05 tive for suppli managers and ntrol valves /	
	corus				

	5.30	DGMFN-3-X-A2	W-B2W-40	6	250	25
Vickers	5.50	DGWII IV-J-A-A2			R1 42 01 05	
			Hydrauli	cs-direc	ctive for supplies, managers and	ers, erection
			Part 5: Sele	ction co	ontrol valves / p	rusers pressure valves
		corus				
		corus				

 		<u> </u>			
5.32	DGMFN-3-Y-A2	W-B2W-40	6 R	1 42 01 05	25
		Hydrauli		tive for supplie	ers, erection
		coı	mpanies,	managers and	lusers
		Part 5: Sele	ection co	ntrol valves / p	oressure valves
	corus				

5.30	DGMFN-5-X-A3	W-B2W-30	10 315 R1 42 01	05	50
3.30	20.1117 117	Hydrauli	R1 42 01 (cs-directive for supanies, manage ction control val	uppliers,	erection
	corus				

5.32 I	OGMFN-5-Y-A3	W-B2W-30 10 315 50 R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	
	corus	

5.33	DGFN-06-50	25	210 R1 42 01 05	250
5.33	DGFN-06-50	Hydraulics-d	R1 42 01 05 irective for supplines, managers and control valves / j	ers, erection
	corus			

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

5.7.5. Single needle valves	Hydraulics-direc companies,	1 42 01 05 tive for suppliers, erection managers and users ntrol valves / pressure valve
	corus	

The use of single needle valves is not reco	mmended. A fixed orifice is the better solution. R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	Part 3. Selection control valves / pressure valves
_	
corus	
corus	

If needle valves can not be avoided, a sele	ction should be made from the catalogues of R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Parker Hannifin or Flutec (Hydac).	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

5.8.	Counter balance valves for acceleration	and deceleration R1 42 01 05
		Hydraulics-directive for suppliers, erection companies, managers and users
		Part 5: Selection control valves / pressure val
	corus	

5.8.1. Application	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Valves of these types will be used for acce	elerating and decelerating movements considered R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	Ture 5. Selection control varves / pressure varves
corus	

they can be used as a variable restric	tion. The model with built-in check valve is also to be R1 42 01 05
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
_	
cor	

used for keeping a cylinderposition, or in	combination with a proportional valve when R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

negative loads exist. This application is re	stricted. Consultation of the hydraulic engineer R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	
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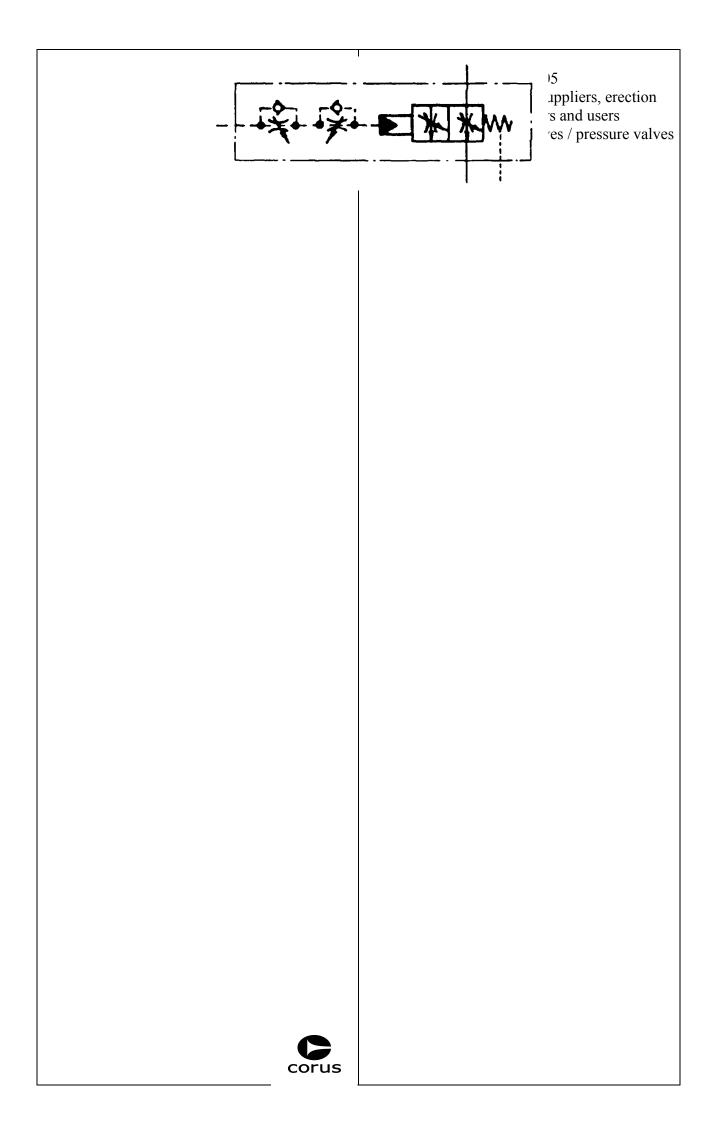
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involved is necessary.	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
	corus
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5.8.2.	Counter balance valves, manifold	mounti	Hydraulics-directive for suppliers, erection
			companies, managers and users Part 5: Selection control valves / pressure valves
	co	rus	

	1
Type of mounting: Sauer 4.4.06-S/	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Symbol according NEN 3348 (ISO 1219)	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Figure 5.34	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
CO	rus



Manufacture: Sauer, PN 350	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

6.1 5.22	
Scheme 5.22	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

Туре	NW	Openin	g	Manufacturer 42 0 P 15 bar	Flow max.
	<del></del>		Ну	ydraulics-directive for supplier	rs, erection
			Part :	companies, managers and u 5: Selection control valves / pro	essure valves
		orus			
	cc	rus			

			T	1/ :
	pressure ca	ı. bar	R1 42 01 05	l/min
		Hy	draulics-directive for supplier	rs, erection
		,	companies, managers and	users
		Part 5	5: Selection control valves / pr	essure valves
			1	
	corus			
	corus			

BOY-20-P 1 F-10-DOB	10	Sauer 350 200 R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valves
	corus	
	corus	

BOY-20-P 1 F-30-DOB 20 30	Sauer 350 200 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
	F S S S S S S S S S S S S S S S S S S S
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	, ·
BOY-30-P 1 F-10-DOB 10	Sauer 350 400 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	
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r							
	BOY-30-P 1 F-30-DOB	30	30		Sauer R1 42	350	400
				тт.	KI 42	for symplical	ua augatian
				H.	draulics-directive companies, man	for supplied	rs, erection
				Dort	5: Selection control	nagers and Lyglygg / pr	users
				Pait.	5. Selection control	i vaives / pi	essure varves
			corus				
			corus				

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

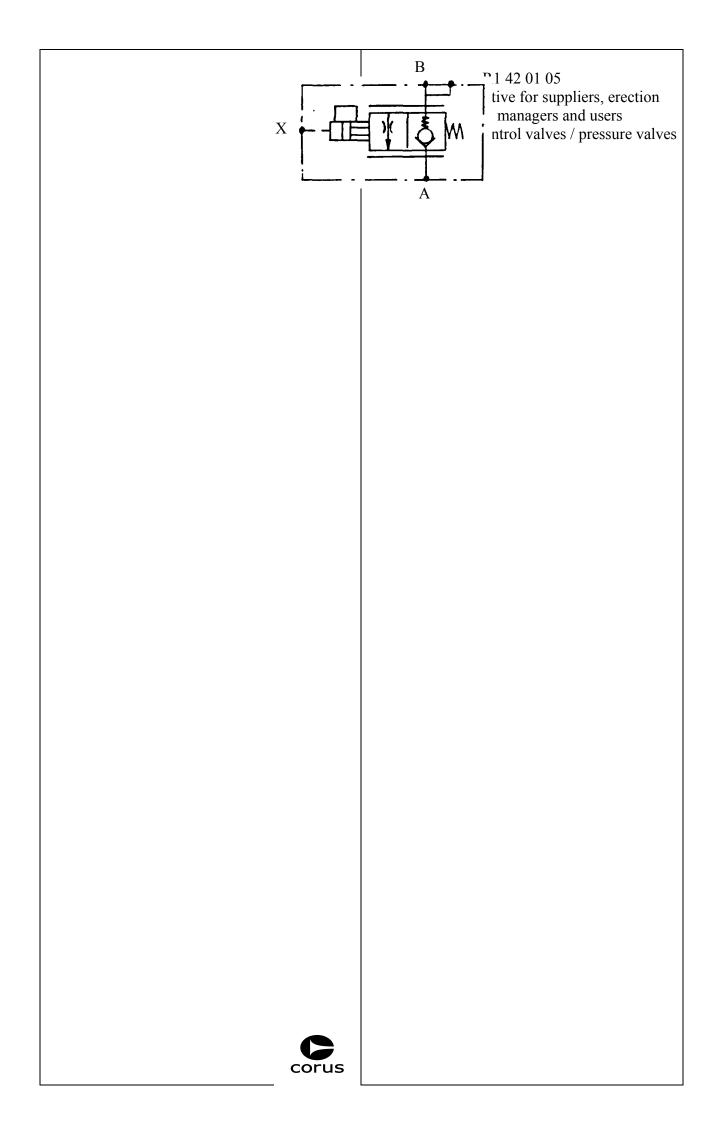
	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

5.8.3.	Counter balance valves combined with ch	eck valve, manifold mounting
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	

T. C. / 100 5701	
Type of mounting: ISO 5781.	R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Symbol according NEN 3348 (ISO 1219)	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valve
corus	

Figure 5.35	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
CO	rus



	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Manufacture: Rexroth	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

0.1 522	
Scheme 5.23	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

Туре	NW	Pilot	Opening	Manufacturer PM-bar	Flow - max
J r -				ics-directive for supplie	
			co	mpanies, managers and	users
			Part 5: Sele	ection control valves / p	ressure valves
		corus			

	pressure	relation	R1 42 01 05	$\Delta p = 40 \text{ bar}$
		Hydrau	lics-directive for suppl	iers, erection
		co	mpanies, managers an	d users
		Part 5: Sel	ection control valves /	pressure valves
	_			
	corus			
	corus			
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	•			T
	min. bar		R1 42 01 05	l/min.
	 	Hydraul	ics-directive for supplie	ers, erection
		co	empanies, managers and ection control valves / p	users
		Part 5: Sel	ection control valves / p	ressure valves
	corus			
	corus			

	,
FD12PA-20/BOO 12 20 - 50	1:20 R1 42 01 05 80
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	
Corus	

			T			
FD16PA-20/BOO	16	20 - 50	1:20	Rexroth R1 42 0	$\begin{smallmatrix} 315 \\ 1\ 05 \end{smallmatrix}$	200
			Hydraul	ics-directive for	r suppli	ers, erection
			co D 45 C 1	mpanies, manag	gers and	l users
			Part 5: Sel	ection control va	alves / p	bressure valves
		corus				
		<b></b>				

FD25PA-20/BOO 25 20-50 1:20 R1 42 01 05 320  Hydraulies-directive for suppliers, crection companies, managers and users Part 5: Selection control valves / pressure valves
Hydraulics-directive for suppliers, erection
companies, managers and users Part 5: Selection control valves / pressure valves
Part 5: Selection control valves / pressure valves
corus
corus

FD32PA-20/BOO 32 20 - 50 1:20 R1 42 01 65  Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves				T			
Hydraulies-directive for suppliers, crection companies, managers and users Part 5: Selection control valves / pressure valves	FD32PA-20/BOO	32	20 - 50	1:20	P 1 42 0	1.05	560
companies, managers and users Part 5: Selection control valves / pressure valves				Hydrau	lics-directive fo	r suppli	ers, erection
Part 5: Selection control valves / pressure valves				co	ompanies, mana	gers and	l users
corus				Part 5: Sel	ection control v	alves / p	oressure valves
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	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
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Notes:	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	

These valves are in store without orific	e. R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
corus	

<ul> <li>Pilot pressure is influenced by pressure</li> </ul>	at port A! R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Take special care and attention when use the special care are also at the special care and attention when use the special care are also at the special care and attention when use the special care are also at the	sed in combination with proportional valves.
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	art 3. Selection control varves / pressure varves
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<u> </u>	l .

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

5.9.	Pressure control valves hydraulically op	erated R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
		Tart 5. Selection control varves / pressure varv
	corus	

5.9.1. Application	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Pressure control valves, not being safety v	alves, will be used for various functions, such as R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	rate of solicon control various prossure various
corus	

sequencing, counter balancing, unloading	and back pressurizing. These pressure valves R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	Tare 3. Selection control varves / pressure varves
corus	

have a different mounting face than pressu	re relief valves; Safety valves are described in R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	rait 3. Selection control valves / pressure valves
corus	

Corus Standard S1 42 01 01.	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

External piloted valves can be used for	all applications. External pilot means also external R1 42 01 05  Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	
Corus	

drain connections. Internal piloted valves	are only to be used as back pressure valve. R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Type of mounting according ISO 5781	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

M. F	
Medium: mineral oil.	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
	Tait 3. Selection control varves / pressure varves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

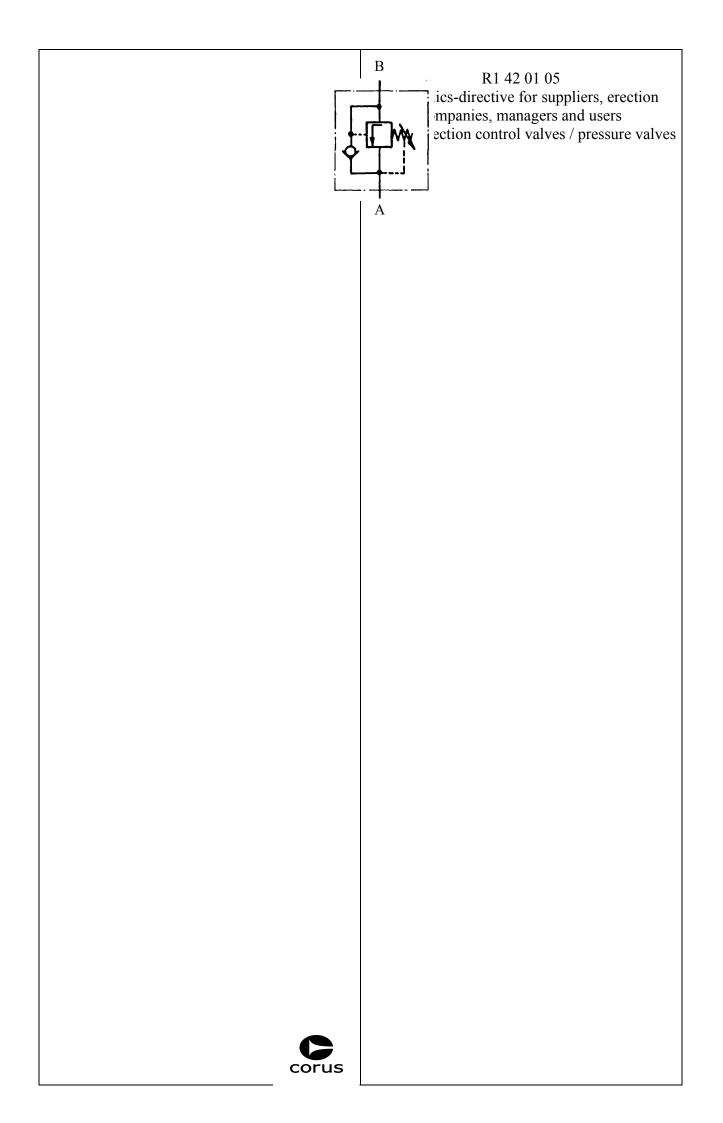
	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

<i>5.9.2</i> .	Hydraulically operated pressure control	valve with check valve , internal Y and X
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
L	corus	

connection	
connection	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
	Drus Crus
CC	Drus

Symbol according NEN 3348 (ISO 1219)	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Figure 5.36	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
cort	us



	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Manufacture and type numbers	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Scheme 5.24	
Scheme 3.24	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Type	NW Pressure range Manufacturer R1 42 1 1 bar Flow max.
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	1 art 3. Selection control varves / pressure varves
	corus

ca. bar	701 42 01 05 1/min
ca. Ual	K1 42 01 05
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
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corus	
corus	

DZ-20-2-5X/100  25  4 - 100  R1 42 01 05  Hydraulics-directive for suppliers, erectic companies, managers and users Part 5: Selection control valves / pressure v.	
companies, managers and users	
corus	

DZ-20-2-5X/315	5 25 4 - 315	Rexroth 315 350 R1 42 01 05 Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valves
	corus	
	20, 43	

		1
RCG-06-B1-23-UG	9 - 35	71.42.01.05
· ·		R1 42 01 05 Hydraulics-directive for suppliers, erection
		companies managers and users
		companies, managers and users Part 5: Selection control valves / pressure valves
		Table 1 Server Server Server   Pressure   Pr
	corus	

RCG-06-D1-23-UG   25   17,5 - 70	Vickers   210   115   R1 42 01 05   Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

RCG-06-F1-23-UG 35 -	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
cor	us

DZ-30-2-5X/100	4 - 100	
' '		R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valves
		Part 3. Selection control valves / pressure valves
	corus	
	Corus	

DZ-30-2-5X/100	32 4 - 315	Rexroth   315   550   R1 42 01 05   Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	corus	

RCG-10-B1-22-UG	9 - 35	1
' '	•	R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valves
		Part 5: Selection control valves / pressure valves
	corus	
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RCG-10-D1-22-UG   32   17,5 - 70	Vickers 210 285 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

RCG-10-F1-22-UG 35-140 R1-42-01-05  Hydraulics-directive for suppliers, erection companics, managers and users Part 5: Selection control valves / pressure valves	Г .		<u> </u>
Hydraulies-directive for suppliers, crection companies, managers and users Part 5: Selection control valves / pressure valves	RCG-10-F1-22-UG	35 - 140	R1 42 01 05
companies, managers and users Part 5: Selection control valves / pressure valves			Hydraulics-directive for suppliers, erection
Part 5: Selection control valves / pressure valves			companies, managers and users
			Part 5: Selection control valves / pressure valves
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	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
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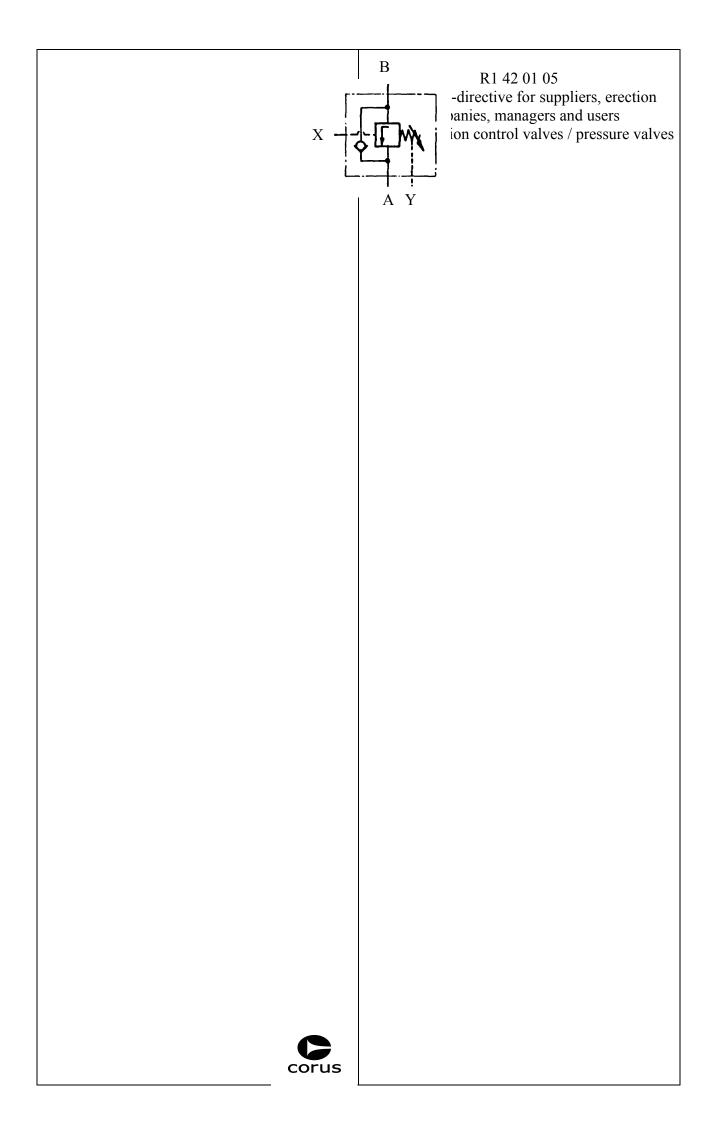
	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

5.9.3.	Hydraulically operated pressure control v	valve with check valve, external Y and X $R_1 \stackrel{?}{_{1}} \stackrel{?}{_{1$
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
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	corus	

connection	
connection	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
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Symbol according NEN 3348 (ISO 1219)	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Figure 5.37	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	



Manufacture and type numbers	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

6.1 7.27	
Scheme 5.25	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
cort	us

Type	NW Pressu	re range Manufacturer 0PN bar Flow max.
1		Hydraulics-directive for suppliers, erection
		nydraunes-directive for suppliers, election
		companies, managers and users
		Part 5: Selection control valves / pressure valves
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	corus	
	corus	

C	a. bar R1 42 01 05 1/min
<u>-</u>	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
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DZ-20	)-2-5X/100 - XY	25 4 - 1	K1 42 01 05
			Hydraulics-directive for suppliers, erection companies, managers and users
			Part 5: Selection control valves / pressure valves
		corus	

	DZ-20-2-5X/315 - XY	25 4	- 315		Rexroth R1 4	315		350
·				•	R14	2 01 05	iora e=	
				нуштаи	lics-directive ompanies, ma	anagers an	dusers	ection
			P	art 5: Sel	ection contro	anagers an ol valves /	u uscis nressiii	re valves
			1 '	art 3. Sei	conon contr	or varves /	pressu	ic varves
		corus						
Ī			1					

Γ	RCG-06-X3-23-UG	0,7	-2 R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users
			Part 5: Selection control valves / pressure valves
		corus	

RCG-06-B3-23-UG   25   9 -	35   Vickers   210   115   R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
_	
corus	
corus	

RCG-06-D3-23-UG		17,5 -	70   R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users Part 5: Selection control valves / pressure valves
			Part 5: Selection control valves / pressure valves
	_		
	C	rus	
	COI	rus	

RCG-06-F3-23-UG		35 - 1	40   R1 42 01 05
			Hydraulics-directive for suppliers, erection companies, managers and users
			Part 5: Selection control valves / pressure valves
	cor		
	cor	us	

DZ-30-2-5X/100 - XY	4 - 1	00 R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	

r									
	DZ-30-2-5X/315 - XY	32	4 - 3	15		Rexroth	42  01  05		550
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				Part	00 اماء - 5	ection cont	nanagers ar rol valves /	lu user:   pressu	re valvec
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		cort	ıs						

RCG-10-X3-22-UG	0,7	- 2 R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valves
		Part 5: Selection control valves / pressure valves
	corus	
	corus	

RCG-10-B3-22-UG   32   9 -	35   Vickers   210   285 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
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corus	

		•	•		
	RCG-10-D3-22-UG			17,5 -	70   R1 42 01 05
					Hydraulics-directive for suppliers, erection
					companies, managers and users Part 5: Selection control valves / pressure valves
					Part 5: Selection control valves / pressure valves
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			cor	us	
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RCG-10-F3-22-UG	35 - 1	140	R1 42	<u> </u>	
		Hvdr	aulics-directive	for sunnlie	rs erection
		liyan	companies, mar	nagers and	users
		Part 5: S	Selection control	valves / pr	essure valves
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	corus				
	corus				
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	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
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5.10.	Check valves (non-return valves)	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valve
	corus	

5.10.1. Application	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Check valves are used to force the flow in	one direction. Valves for manifold mounting can R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	

be used for all applications. The use of in	line mounted valves only if manifold mounting is R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	
corus	

not practical. Some valves are for low pres	ssures only. The simple 24° taper valves (RHD) R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

too.	
	R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	P-933312 - M1745
corus	
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

The sandwich plate with wheatstone rectif	ier is usually combined with a flow control valve R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	Tanto Control Control (m. 100 / p. 100 m. 100
corus	

to equalise flows in both directions.	
to equanise from in total directions.	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Pilot operated check valves will be used	d for keeping an actuator (cylinder or hydraulic R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

motor) in a fixed position when the valve	is not activated. Safety function. Sandwich type R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

pilot operated check valves are not fit for	use in combination with proportional valves. A R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
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corus	
corus	

specified type based on cartridge technolo	gy available. Consult the hydraulic engineer. R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	art 3. Selection control valves / pressure valves
corus	
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

5.10.2.	Check valves internally threaded	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	corus	

Symbol according NEN 3348 (ISO 1219)	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valve
corus	

R1 42 01 05 raulics-directive for suppliers, erection companies, managers and users Selection control valves / pressure valves
Selection control valves / pressure valves

_	R1 42 01 05 ics-directive for suppliers, erection companies, managers and users
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Manufacture: Rexroth	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

6.1 7.24	
Scheme 5.26	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	Tart 3. Selection control valves / pressure valves
	<b>D</b> orus
C	orus

		compa	Prinax in bar directive for supp- nies, managers ar on control valves /	nd users
		Part 5: Selection	mes, managers ar on control valves /	u users pressure valve
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					1
				R1 42 01 05	l/min
			Hydraulics-compa Part 5: Selection	directive for supplenies, managers are on control valves /	liers, erection ad users pressure valves
	co	rus			

		1 , 1	1 / 4 II	
	S-6A1.0	6	1/4"	0.5 R1 42 01 05
				Hydraulics-directive for suppliers, erection
				companies, managers and users Part 5: Selection control valves / pressure valves
			corus	
L				

S-6A2.0   6   1/4"   1.5   R1420105   Hydraulies-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves					T				
Hydraulises-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves	S-6A2.0	6	1/4"		1.5	D	315 1 42 01 0	<u>.                                     </u>	10
companies, managers and users Part 5: Selection control valves / pressure valves					Hydrau	lics-direc	tive for su	ppliers,	erection
					co	mpanies,	managers	s and us	ers
corus					Part 5: Sel	ection co	ntrol valv	es / pres	sure valves
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1 0 6 4 6 6		1/4"	
S-6A3.0	6	1/4"	3.0 R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users Part 5: Selection control valves / pressure valves
		corus	
		Corus	

S-8A1.0	8 3/	8"	0.5	D1 42 01 05	
S-8A1.0	8 3/	8"	Hydraulics	R1 42 01 05 -directive for suppranies, managers and on control valves	liers, erection nd users pressure valves
		corus			

S-8A2.0	8	3/8"		1.5	R1 42 01 05	20
				COI	ics-directive for suppl mpanies, managers an ection control valves /	d users
				Tart 3. Sere	ection control varves/	pressure varves
			brus			
			ภ นร			

S-8A3.0	8 3/8	8"	3.0	D1 42 01 05	
S-8A3.0	8 3/8	8"	Hydraulics	R1 42 01 05 -directive for supportion control valves	liers, erection nd users pressure valves
		corus			

				ı			
	S-10A0.0	10	1/2"		no spring	D1 42 01 05	
			<u>-</u>			R1 42 01 05	liona omasti
					Hydraulics-	directive for supp	iters, erection
					compa	nies, managers ar	na users
					Part 5: Selection	on control valves /	pressure valves
			coru	•			
			coru	ıs			
1							

				T				
S-10A1.0	10	1/2"		0.5	Б	315 R1 42 01 05	-	40
				Hydraul	ics-direc	ctive for su	nnliers	erection
				CO	mpanies	, managers	and use	ers
				co Part 5: Sele	ection co	ntrol valve	es / press	sure valves
							1	
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			<b>C</b> orus					
		C	orus					
				<u> </u>				

	S-10A2.0	10	1/2"	1.5	R1 42 01 05	
				Hydraulic	s-directive for supp	liers, erection
				com	panies, managers a	nd users
				Part 5: Selec	tion control valves	pressure valves
						1
			corus			
			corus	s		
i				1		

S-10A3.0	10 1/2"	1	3.0	D1 42 01 05	
5-10A3.0	10 1/2		Hydraulics-	R1 42 01 05 -directive for supp anies, managers an on control valves	liers, erection nd users pressure valves
		corus			

					1
S-15A1.0	15	3/4"	0.5	D1 42 01 05	
	•			R1 42 01 05	liona anasti
			Hydraulic	es-directive for supp	liers, erection
			D 5 C 1	panies, managers ar	iu users
			Part 5: Selec	tion control valves	pressure valves
		_			
		corus			
		corus	s		
		u.			

_						
	S-15A3.0	15	3/4"	3.0	R1 42 01 05	
				Hydraulies-	directive for supp	liers erection
				comp	anies, managers an	nd users
				Dart 5: Salaction	on control valves	nraccura valvac
				ran 3. Sciection	on control varves	pressure varves
			corus			
			corus			

			1		
S-20A1.0	20 1	"	0.5	D1 42 01 05	
			Hydraulics comp Part 5: Select	R1 42 01 05 -directive for supportion control valves	liers, erection nd users pressure valves
		corus			
		corus			

						1
S-20A2.0	20	1 '	"	1.5	315 R1 42 01 05	100
				compa	directive for supplanies, managers aron control valves /	nd users
			Corus			

S-20A3.0	20	1 "		3.0	D1 42 01 05	
				Hydraulic com Part 5: Selec	R1 42 01 05 s-directive for suppanies, managers attion control valves	pliers, erection and users / pressure valves
		C				
		cor	us			

S-25A1.0	25	1 1/4"		0.5	D1 42 01 05	
	1		•		R1 42 01 05	liona onosti
				Hydraulics-	directive for supp	ilers, erection
				compa	anies, managers ar	a users
				Part 5: Selection	on control valves /	pressure valves
		C	<b>C</b> orus			
			J. 45			

S-25A2.0	25	1	1/4"		1.5		315 R1 42 01 0:	_	150
						lics-dire	<del>x1 42 01 0:</del> ctive for su	nnliere	
					co	mpanies	cuve for su s managers	ppners,	ers
					Part 5: Sel	ection co	ontrol valve	es / pres	sers ssure valves
					1 411 5 . 501	0001011	one or varve	os / pres	sare varves
			cor	us.					
			_	45					

S-25A3.0	25	1 1/	/4"	3.0	D1 42 01 05	
	1		•		R1 42 01 05	liona onosti
				Hydraulid	es-directive for supp	ilers, erection
				Don't 5 Cul	npanies, managers ar	u users
				Part 5: Selec	ction control valves	pressure valves
			corus			
			Corus	?		

S-30A1.0 30	1 1/2"	0.5
		Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
	corus	

S-30A2.0 30 1 1/2" 1.5 R1420105  Hydraulies-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves  Corus								
Hydraulies-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves	S-30A2.0	30	1 1/2"		1.5	R1 42 01 05	200	
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S-30A3.0 30	1 1/2"	3.0
	•	R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valves
		Part 5: Selection control valves / pressure valves
	corus	
	Corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Manufacture: Vickers	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
corus	

C-1	
Scheme 5.27	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
cort	us

Туре	NW	Connection R"	Opening pressure 1		Flow max
			Hydraulics-directive	ve for supplier	s, erection
			Part 5: Selection cont	nanagers and u rol valves / pro	isers essure valves
				-	
		corus			
		corus			

		bar	R1 42 01 05	1/min
		Hydraulics-di	irective for supplier	rs, erection
		compan	nies, managers and notices of properties.	users
		Part 5: Selection	n control valves / pr	essure valves
	corus			

C2-800-UB	6	1/4"	0.35
C2-000-UD	0	1/4	R1 42 01 05  Hydraulics-directive for suppliers, erection
			companies, managers and users Part 5: Selection control valves / pressure valves
			Part 5: Selection control valves / pressure valves
		corus	
		corus	

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C2-800-S3-UB	6	1/4"	3.5	R1 42 01 03	10	$\parallel$
			Hydraulics-din	rective for su	ppliers, erection	
			compani Part 5: Selection	es, managers control valve	s and users es / pressure valv	es
					1	
		corus				
		_				

C2-800-S8-UB	6	1/4"	5.3		1
22 000 00 OB	<u> </u>	-/ -		R1 42 01 05 rective for supplic	ers erection
			compan	ies, managers and control valves / p	l users
			Part 5: Selection	control valves / p	oressure valves
	С	orus			

				T		
	C2-805-UB	10	3/8"	0.35	42 01 05	
				Hydraulics-directi	ve for supplier	rs, erection
				Part 5: Selection con	managers and trol valves / pr	asers essure valves
					dor varves / pr	essure varves
			corus			
L				1		

C2-805-S3-UB	10	3/8"	3.5 R1	42 01 05	20
			Hydraulics-directi	ve for suppliers managers and u	sers
		corus			

			Т		
C2-805-S8-UB	10	3/8"	5.3	12 01 05	
			Hydraulics-direct	1 42 01 05 ive for supplied managers and	rs, erection users
			Part 5: Selection con	trol valves / pr	essure valves
		corus			
		corus			

C2-815-UB	15	3/4"	0.35	<del>42 01 05</del>	
			Hydraulics-directive		s erection
			companies r	nanagers and u	s, crection
			Part 5: Selection cont	rol valves / pr	essure valves
			art 3. Beleetion com	ioi vaives / pi	essure varves
		corus			
		corus			

			T		
C2-815-S3-UB	15	3/4"	3.5	R1 42 01 05	40
			Hydraulics-dir	ective for supplie	rs. erection
			compani	es, managers and	users
			companie Part 5: Selection	control valves / pr	ressure valves
		_			
		corus			
		corus			
			,		

C2-815-S8-UB	15	3/4"	5.3	R1 42 01 05	
			Hydraulics-direc	ctive for supplier, managers and t	users
		corus			

		1			1
C2-820-UB	20	1 "	0.35	42 01 05	
			Hydraulics-directi	ve for supplier managers and u	isers
		corus			
		corus			

	C2-820-S3-UB	20	1 "	3.5 R1	42 01 05	70
				Hydraulics-directi	ve for suppliers nanagers and us	sers
			corus			
L						

				T		
	C2-820-S8-UB	20	1 "	5.3	42 01 05	
				Hydraulics-directi companies, 1	ve for suppliers, erect managers and users trol valves / pressure	
				T date of Sciences Con	act (arves) pressure	
			corus			
L				<u> </u>		

C2-825-UB	25	1 1/4"	0.35 R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users
			Part 5: Selection control valves / pressure valves
			1 art 5. Selection control varves / pressure varves
		corus	
		corus	

			ı		
C2-825-S3-UB	25	1 1/4"	3.5	R1 42 01 05	100
			Hydraulics-dire	ective for supplie	rs. erection
			companie	es, managers and	users
			companie Part 5: Selection of	control valves / pr	ressure valves
		corus			
		corus			

	C2-825-S8-UB					
<u> </u>	C2-623-36-UB	25	1 1/4"	5.3	   <del>42 01 05</del>	
				Hydraulics-direct	ive for supplier managers and t	users
			corus			

C2-830-UB	30 1 1/2"	0.35 R1 42 01 05
		Hydraulics-directive for suppliers, erection companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	

		T	
C2-830-S3-UB 30	1 1/2"	3.5 R1 42 01 05	150
		Hydraulics-directive for suppliers companies, managers and upper 5: Selection control valves / pre	sers
		Tart 3. Selection control valves / pro	assure varves
	corus		

					<del></del> 1
C2-830-S8-UB	30	1 1/2"	5.3	1 <del>42 01 05</del>	
			Hydraulics-direct companies,	ive for supplier managers and t	isers
			Part 5: Selection cor	trol valves / pr	essure valves
		corus			

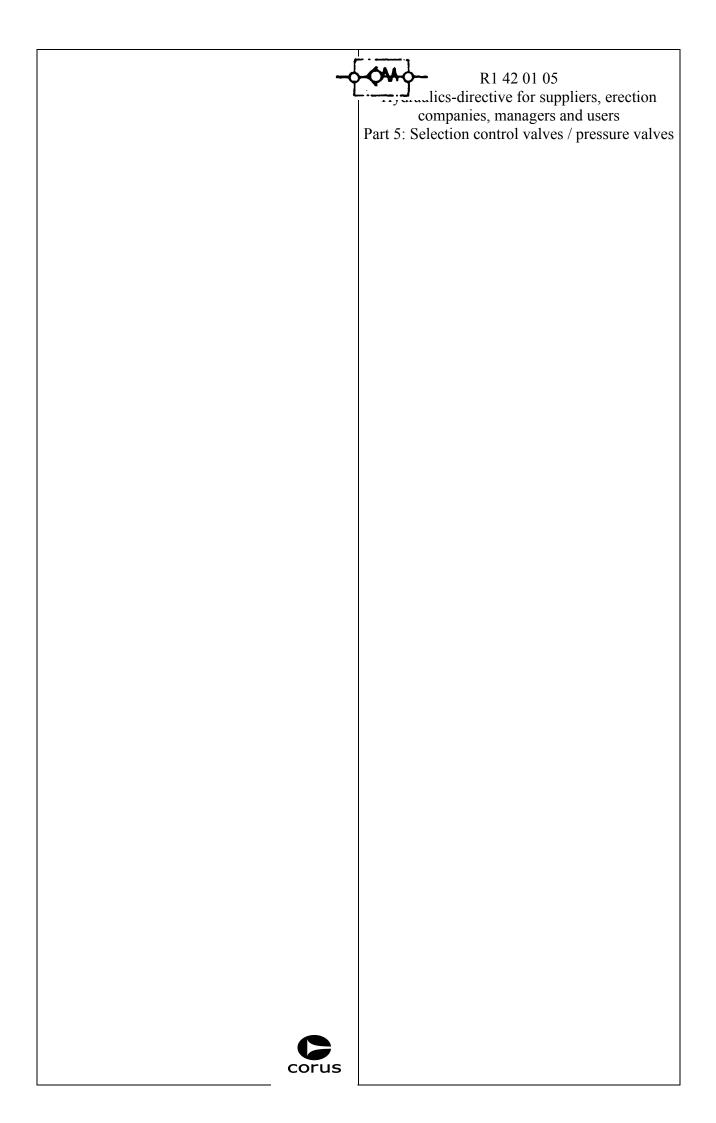
	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
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	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

5.10.3. Check valves with flanges	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valv

Symbol according NEN 3348 (ISO 1219)	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Figure 5.39	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	



	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Type of mounting: flanges according Tech	nical Directive R1 42 01 08, paragraph 8.14. R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	F
corus	

Manufacture: Rexroth	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

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Scheme 5.28	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
	Part 3. Selection control valves / pressure valves
cor	rus

	<b></b>	-			771
Type	NW	Flange connection		R P 4220t its bar	Flow max.
			Hydraulics-d	irective for supplied nies, managers and	rs, erection
			Part 5: Selection	nes, managers and n control valves / pi	essure valves
				1	
		corus			

			1
	pipe ext. ø mm	pressure bar R1 42 01 05	1/min
	 •	Hydraulics-directive for supplied	ers, erection
		companies, managers and	users
		companies, managers and Part 5: Selection control valves / p	ressure valves
	corus		
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<u> </u>	 		<u> </u>		
S-52F1-10	52	60,3	0,5	R1 42 01 05	500
			Hydraulics-c	directive for supplier	rs, erection
			Part 5: Selectio	nies, managers and un control valves / pr	essure valves
		corus			
			1		

			Г		
S-62F1-10	62	76,1	0,5	R1 42 01 05	900
			Hydraulics-di	rective for supp	liers, erection
			compan	ies, managers ar	nd users
			Part 5: Selection	control valves	pressure valves
		corus			
		corus			

S-82F1-10	82	101,6	0,5	P1 42 01 05	1600
			compa	R1 42 01 05 directive for suppli- anies, managers and on control valves / p	users
				, , , , , , , , , , , , , , , , , , ,	7.200.01.20
		corus			

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Manufacture: Vickers	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

0.1. 700	
Scheme 5.29	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
cort	ıs

	<del></del>				
Type	NW	Flange connec		Opening R1 42 0 max. in	Flow max.
			H	ydraulics-directive for suppliers	s, erection
			D4	companies, managers and u	sers
			Part :	5: Selection control valves / pre	ssure valves
		corus			
		corus			

 		·	
pipe ext. @	mm	pressure bar R1 42 01 05	r l/min
	Hyd	raulics-directive for sup	opliers, erection
	Dort 5:	companies, managers Selection control valve	and users
	rait 3.	Selection control valve	s / pressure varves
corus			
corus			

		T	
DF-10P1-16-5-20 50	60,3	0,35 R1 42 01 05	500
		Hydraulics-directive for suppliers, e companies, managers and use	erection
		Part 5: Selection control valves / press	ure valves
	_		
	corus		
	corus		

DF-10P1-16-65-20   50	60,3	4,6 P1 210 500
Dr-10r1-10-03-20   30	00,5	4,6 210 500 R1 42 01 05 Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	_	
	brus	
CC	rus	

DF-10P1-24-5-20 80	88,9	0,35 R1 42 01 05 1200
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	_	
	Corus	
	corus	

DF-10P1-24-65-20 80	88,9	4,6 210 1200 R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	
C	orus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Manufacture: Ubel/Gestra Disco, PN 25	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

0.1.0.1	
Only for low pressure pipes.	R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	Tart 5. Belection control valves / pressure valves
corus	
corus	
<u> </u>	<u> </u>

Fixing in such a way that if other components	ents must be changed the check valve will be R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	rait 3. Selection control valves / pressure valves
corus	

kept closed.	
1	R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
	corus
	corus

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

6.1. 7.20	
Scheme 5.30	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
	Tart 3. Selection control varves / pressure varves
coru	is

	1		
Type	NW	Flange connection pipe	R1 12 01 03
<u></u>			Hydraulics-directive for suppliers, erection
			companies, managers and users Part 5: Selection control valves / pressure valves
			rait 3. Selection control valves / pressure valves
		corus	

ext. ø mm	bar R1 42 01 05
	Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

1	1 1		
RK 46	40	48,3	0,18   C- x 10 CR13 R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users Part 5: Selection control valves / pressure valves
			r
		corus	
		corus	

	RK 46	50	60.2	0.18   C v.10 CD12
	KK 46	30	60,3	0,18 C- x 10 CR13
				Hydraulics-directive for suppliers, erection companies, managers and users
				Part 5: Selection control valves / pressure valves
			corus	
L				

1	1 1		
RK 46	65	76,1	0,18 C- x 10 CR13 R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users Part 5: Selection control valves / pressure valves
			The second control (all (all ) problems (all ) se
		corus	
		corus	

RK 56	80	88,9	0,18 GS. C - 25
IXX JU	00	00,7	K1 42 01 05
			Hydraulics-directive for suppliers, erection companies, managers and users
			Part 5: Selection control valves / pressure valves
		corus	
		COLUB	

		<u> </u>			1
RK 56 10	00 114,8	8	0,18	GS. R1 42 01 05	C - 25
		D <sub>o</sub>	Hydraulics-din compani	rective for supp	oliers, erection nd users / pressure valves
		Pa	rt 5: Selection	control valves	/ pressure valves
	C	corus			

RK 56   150	168,3	0,18 GS. C - 25 R1 42 01 05
		Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	corus	5

RK 56	200	219,1	0,18 GS. C - 25
			Hydraulics-directive for suppliers, erection
			companies, managers and users Part 5: Selection control valves / pressure valves
			Part 5: Selection control valves / pressure valves
		corus	
			1

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Manufacturer: Rexroth PN16.	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Cahama 5 21	
Scheme 5.31	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
cort	ıs

Type	NW	Flange conn	ection pipe.	Opening 01 05	Flow max. in
	<u> </u>		Hydraulic	s-directive for supp	pliers, erection
			com Part 5: Selec	panies, managers a tion control valves	and users / pressure valves
					1
		corus			

		ø ext	mm.	pressure R1 42 01 05	L/min
			Hydraulic	es-directive for suppl	iers, erection
			com	ipanies, managers an	d users
			Part 5: Selec	tion control valves /	pressure valves
		corus			
		corus			
l					

	in bar R1 42 01 05
	Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	5

RS320/40-3.0	40	48	3,3	R1 42 01	150
			Hydrauli	cs-directive for s	suppliers, erection
			con	npanies, manage	rs and users
			Part 5: Selec	ction control val	ves / pressure valves
		corus			
		corus			

RS320/40-3.0	50	60,3	R1 42 01 05	250
		Hydrau	lics-directive for supp	liers erection
		CC	empanies, managers a	nd users
		Part 5: Sel	ection control valves	/ pressure valves
				r
	corus			
	corus	·		

RS320/40-3.0	65	70	5,1	R1 42 01	400
			Hydrauli	cs-directive for s	suppliers, erection
			con	npanies, manage	rs and users
			Part 5: Selec	ction control val	ves / pressure valves
		corus			
		corus			

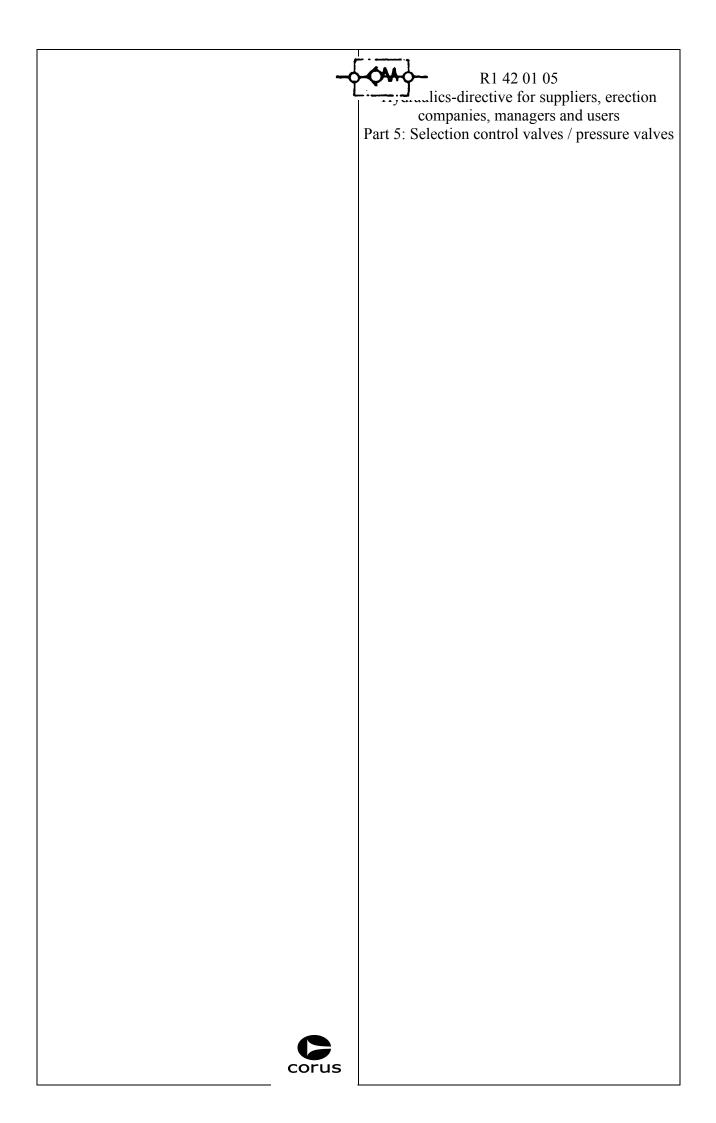
		<u> </u>		
RS320/40-3.0	80	88,9	R1 42 01 05	500
		Hydrai	ulics-directive for sup	oliers, erection
		c	ompanies, managers a	and users
		Part 5: Se	lection control valves	/ pressure valves
	coru	s		

RS320/40-3.0	100	1	4,8	R1 42 01	700
			Hydrauli	cs-directive for s	suppliers, erection
			COI	mpanies, manage	rs and users
			Part 5: Sele	ction control var	ves / pressure valves
		corus			

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

5.10.4.	Check valves with 24° taper		R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
	cor	us	

E' 7.40	
Figure 5.40	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
CO	<b>D</b> orus



	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

TT1: 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11: 771 611 :
I his type check valves is only meant for	T- and drain-pipes. The pressure fall varies R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Part 5: Selection control valves / pressure valves

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves

Scheme 32	
Scheme 32	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
	corus
	corus

	Туре	For pipe extern	al ø mm	PN 42 01 Opening pressure bar
<u> </u>			Hydraul	ics-directive for suppliers, erection mpanies, managers and users
			Part 5: Sele	ection control valves / pressure valves
		corus		
		corus		

RHD 8 PS	8	400 R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
		Present (write)
	corus	
	corus	

DIID 12 DC	10	400 1.0
RHD 12 PS	12	400 1,0 R1 42 01 05
		Hydraulics-directive for suppliers, erection companies, managers and users
		companies, managers and users Part 5: Selection control valves / pressure valves
	corus	
	corus	

			,
	RHD 16 PS	16	400 R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users
			Part 5: Selection control valves / pressure valves
			r
		corus	
		corus	
l .			<u> </u>

PHD 20 DC	20	400
RHD 20 PS	20	400 1,0 R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valves
	corus	

RHD 25 PS	25	250 R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	
	corus	

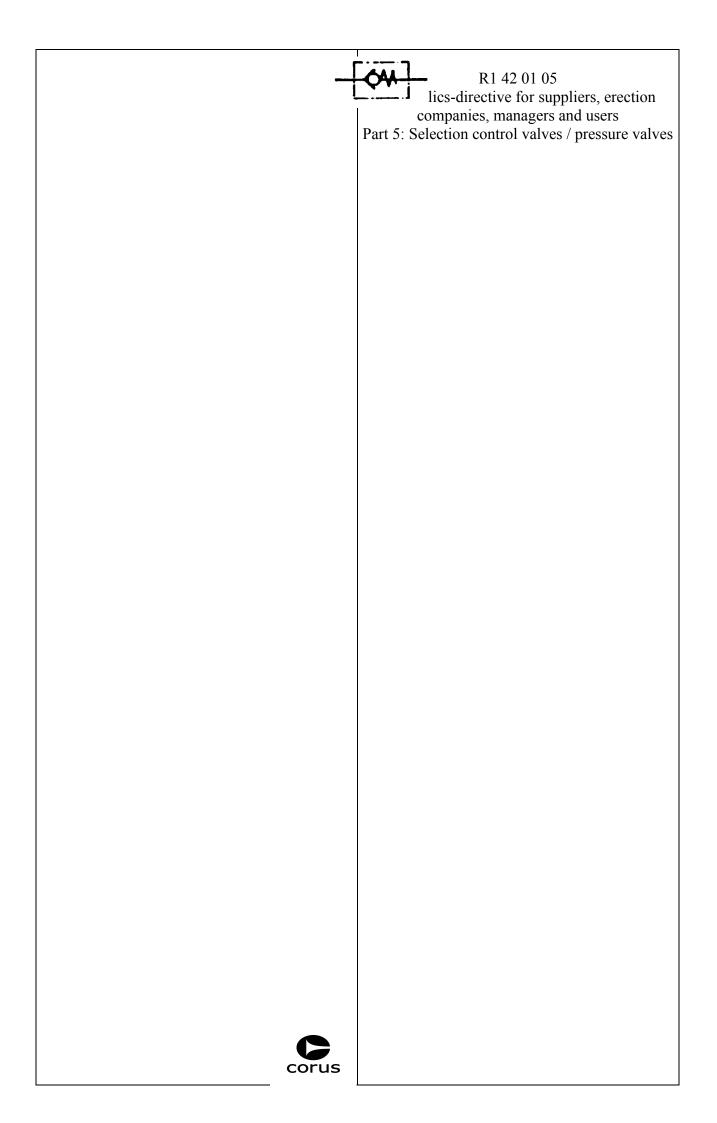
l _	ID 20 DG	 	Í	252	1.0
KH	ID 30 PS	30		250 R1 42 01 05	1,0
			Hydraulic	es-directive for supp	liers, erection
			Part 5: Selec	npanies, managers aretion control valves	pressure valves
		corus			

RHD 38 PS	38	250 1,0 R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
		Tarte. Selection control varies, pressure varies
	corus	
	Corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Symbol according NEN 3348 (ISO 1219)	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Figure 5.41	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
co	rus



Manufacture: Rexroth	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Cal 522	
Scheme 5.33	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	5

Г		Γ		ı	
<u> </u>	Type	NW	Opening pres		P max <sub>R</sub> in bar 105 Flow max. 1/min
				Hydrau	ulics-directive for suppliers, erection
				Part 5: Se	ompanies, managers and users lection control valves / pressure valves
				1 411 5. 50	rection control varves / pressure varves
			corus		
			corus		

1	<u> </u>		
S-10P0.1	10	no sprii	K1 42 01 03
			Hydraulics-directive for suppliers, erection
			companies, managers and users Part 5: Selection control valves / pressure valves
		corus	

ı	<u> </u>		
S-10P1.1	10	0,5	315 42 01 0 <del>5</del> 50
			Hydraulics-directive for suppliers, erection
			companies, managers and users Part 5: Selection control valves / pressure valves
			P
	c	corus	
		. J. U.J	

S-1	0P2.1	10	3,0	R1 42 01 0 <del>5</del>
		·		Hydraulics-directive for suppliers, erection
				companies, managers and users Part 5: Selection control valves / pressure valves
				Part 5: Selection control valves / pressure valves
			corus	
			Corus	

S-20P1.1	20 0,5	315 R1 42 01 05
		Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
		1 art 3. Selection control varves / pressure varves
	corus	

S-20P3.1	20	3,0		315 R1 42 0	1 05	120
			Hydraulics	-directive fo	r suppliers,	erection
			comp	anies, mana	gers and us	ers
			Part 5: Selecti	on control v	alves / pres	sure valves
		corus				
		corus				

S-30P1.1	30	0,5	315 R1 42 01 05
	•		K1 42 01 05
			Hydraulics-directive for suppliers, erection companies, managers and users
			Part 5: Selection control valves / pressure valves
			1 art 5. Selection control valves / pressure valves
		corus	
		corus	

S-30P3.1	30	,0 315 250 R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	
	Cor us	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Manufacture: Vickers	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Scheme 5.34	
Scheme 5.54	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

<b>T</b> -	NIII 7	Onomina	1	Demony in hom   Element 1/ :
Type	NW	Opening pres		P max <sub>R</sub> in bar <sub>1</sub> o 5 Flow max. 1/min alics-directive for suppliers, erection
			riyurat c	ompanies, managers and users
			Part 5: Se	election control valves / pressure valves
		corus		
		corus _		

<u> </u>	1 1		
C5GV-815	20	0,35	K1 42 01 03
			Hydraulics-directive for suppliers, erection
			companies, managers and users Part 5: Selection control valves / pressure valves
			1 art 3. Selection control varves / pressure varves
		corus	
	C	orus	

C5GV-815-S3	20	3,5	350 R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users
			Part 5: Selection control valves / pressure valves
		corus	
		corus	
			L

C5GV-815-S8	20	5,3	R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users Part 5: Selection control valves / pressure valves
			Fait 3. Selection control valves / pressure valves
		corus	
		201 43	

C5GV-825	32 0,	R1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valves
		Part 5: Selection control valves / pressure valves
	corus	
	corus	

				7
C5GV-825-S3	32		3,5	350 380 R1 42 01 05
	•			K1 42 01 05
				Hydraulics-directive for suppliers, erection
				companies, managers and users Part 5: Selection control valves / pressure valves
				1 art 3. Selection control varves / pressure varves
		C	<b>C</b> orus	

C5GV-825-S8	32	R1 42 01 05
		Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	corus	

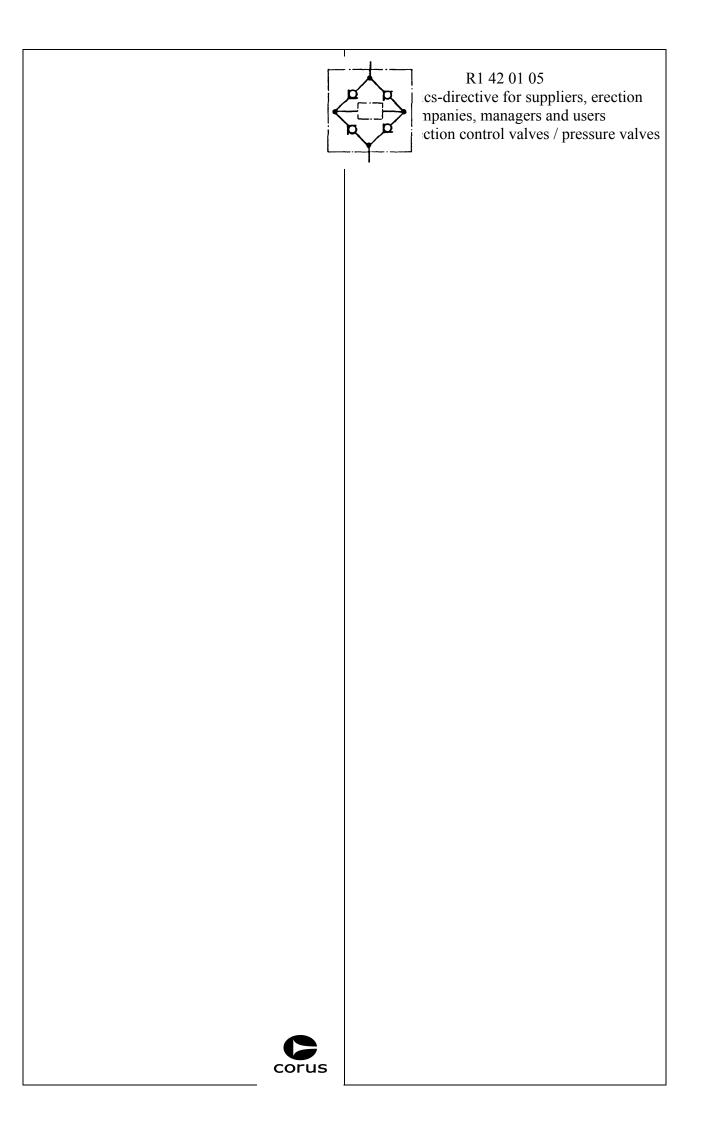
	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

.10.6.	Check valves, wheatstone rectifier, ma	nifold mounting R1 42 01 05
		Hydraulics-directive for suppliers, erection companies, managers and users
		Part 5: Selection control valves / pressure valv
ı	corus	

Symbol according NEN 3348 (ISO 1219)	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Figure 5.42	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
Co	<b>D</b> orus



Manufacture: Rexroth, PN 315	R1 42 01 05
	Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Scheme 5.35	
Scheme 3.33	R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
coru	
coru	S

Type	NW	P may bar Flow may 1/min
Турс	11 77	P max. bar 42 01 05 Flow max. 1/min.  Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	

745 10 20	10	215	50
Z4S-10-30	10	315 R1 42 0	50
		Hydraulics-directive for	or suppliers, erection
		companies, mana Part 5: Selection control v	gers and users valves / pressure valves
			and the property of the control of t
	corus		
	COI US		

		7
Z4S-16-20	16	315 P1 42 01 05 160
		K1 42 01 05
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		companies, managers and users Part 5: Selection control valves / pressure valves
	corus	

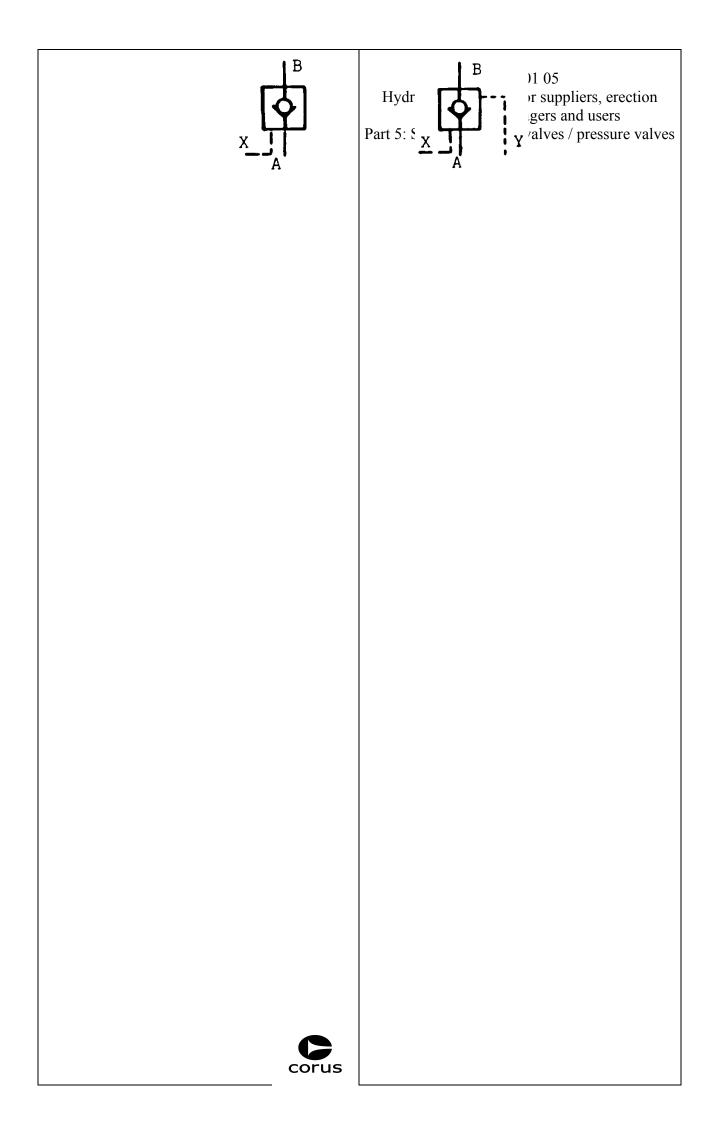
	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

5.10.7.	Pilot operated check valves, man	ifold m	Hydraulics-directive for suppliers, erection companies, managers and users
			Part 5: Selection control valves / pressure valves
	CO	orus	

Symbols according NEN 3348 (ISO 1219)	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Figu	re 5.43	Figure 5.44 R1 42 01 05
		Hydraulics-directive for suppliers, erection companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	
	corus	



	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Manufacture: Rexroth, PN 315	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

6.1 7.27	
Scheme 5.36	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	Tart 3. Selection control valves / pressure valves
cor	
Cor	us

			<del> </del>
Symbol	Type	NW	Openings pressure R1F42W1max.
			Hydraulics-directive for suppliers, erection
			companies, managers and users Part 5: Selection control valves / pressure valves
			Ture of Serection Control varies, pressure varies
		corus	

		as	check valve (bar) 1/min
		<u> </u>	Hydraulics-directive for suppliers, erection
			companies, managers and users
			Part 5: Selection control valves / pressure valves
		corus	
		corus	
1			L .

						7
	5.43	SV-10P-A1-40		10		3,0 R1 42 01 05
						Hydraulics-directive for suppliers, erection
						companies, managers and users Part 5: Selection control valves / pressure valves
						Part 5: Selection control valves / pressure valves
				Coru	;	
			C	oru	S	

	5.44	SL-10P-A1-40	10	3,0 R1 42 01 05
				Hydraulics-directive for suppliers, erection
				companies, managers and users
				Part 5: Selection control valves / pressure valves
			corus	

5.43	SV-20P-A1-40	25	2,5	R1 42 01 05	
•		•		K1 42 01 05	
			Hydraulics-dii	rective for suppliers, erection	n
			compani	es, managers and users	
			Part 5: Selection	control valves / pressure val	ves
		corus			
		coi us			

			T		
5.44	SL-20P-A1-40	25	2,5	250 R1 42 01 05	]
			Hydraulics-compa Part 5: Selection	directive for suppli- unies, managers and on control valves / p	ers, erection l users pressure valves
		corus			

			T	
5.43	SV-30P-A1-40	32	2,5	R1 42 01 05
		<u>.                                      </u>		R1 42 01 05
			Hydraulics-di	rective for suppliers, erection
			compan	ies, managers and users
			Part 5: Selection	control valves / pressure valves
		corus		
		corus		

			T		
5.	44 SL-30P-A1-40	32	2,5	R1 42 01 05	]
			Hydraulics- compa Part 5: Selection	directive for suppli- anies, managers and on control valves / p	ers, erection l users pressure valves
		corus			

			<u> </u>		
5.43	SV-52P-A1-10	52	1,3	700 R1 42 01 05	]
			Hydraulics-	directive for suppli	ers, erection
			compa	anies, managers and	l users
			Part 5: Selection	on control valves / p	oressure valves
		corus			

			Ţ		
5.4	14 SL-52P-A1-10	52	1,3	700 R1 42 01 05	]
			Hydraulics-compa Part 5: Selection	directive for supplicances, managers and on control valves / p	ers, erection l users pressure valves
			Turt 3. Beleette	on control varves / p	ressure varves
		corus			

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Manufacturer: Vickers PN 350	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Calarina 5 25	
Scheme 5.37	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

			<del>                                     </del>
Symbol	Туре	NW	Openings pressure R1F42W1max.
			Hydraulics-directive for suppliers, erection
			companies, managers and users Part 5: Selection control valves / pressure valves
			Tart 3. Selection control varves / pressure varves
		corus	

		as	check valve (bar) 1/min
		<u> </u>	Hydraulics-directive for suppliers, erection
			companies, managers and users
			Part 5: Selection control valves / pressure valves
		corus	
		corus	
1			L .

	,
5.43   PCGV-6-AD-10   10	2   150 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	Part 5: Selection control valves / pressure valves
corus	
Corus	

					T		
	5.44	PCGV-6-AD-1-1	10 1	0	2	R1 42 01 05	
					Hydraulic	s-directive for supp	liers, erection
					Part 5: Salaa	panies, managers artion control valves	nd users
					1 art 3. Stret	tion control valves /	pressure varves
				rus			
			COI	us			

				1
5.43	PCGV-8-AD-10	25	2 R1 42 01 05	
		•	K1 42 01 05	— Liama asseti
			Hydraulics-directive for supp	ilers, erection
			companies, managers ar	u users
			Part 5: Selection control valves /	pressure valves
		corus		
		corus		

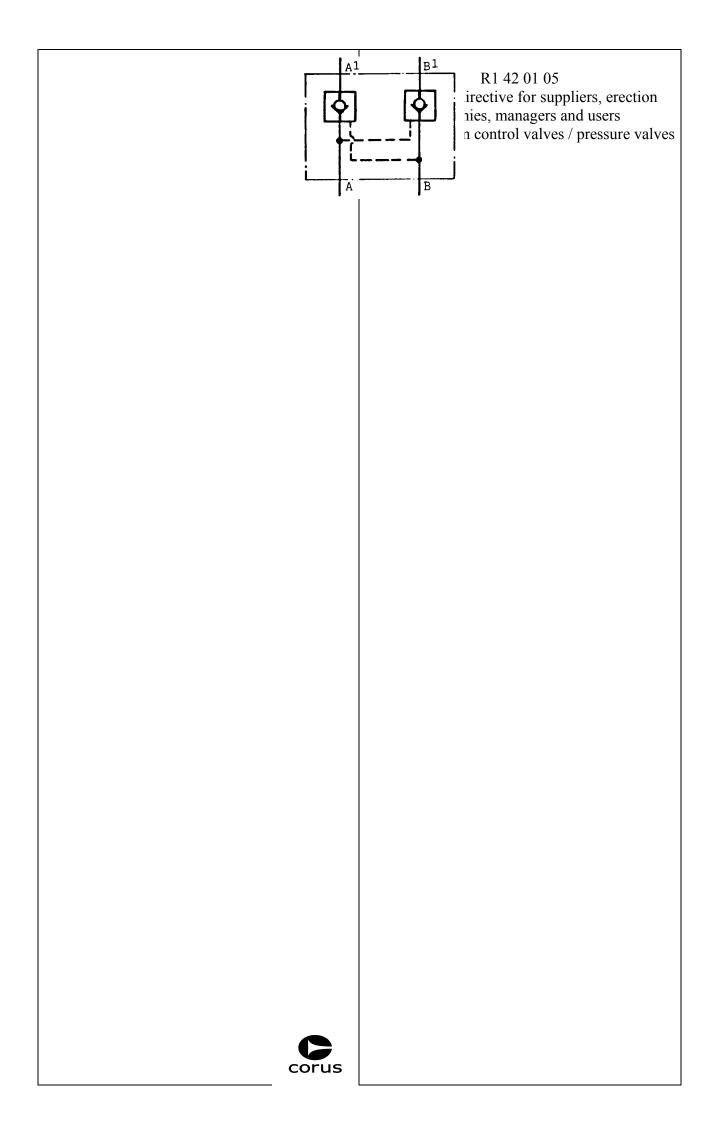
	5.44	PCGV-8-AD-1-10	25	2	R1 42 01 05	
				Hydraulics	-directive for supplie	ers, erection
				comp	anies, managers and	users
				Part 5: Selecti	anies, managers and on control valves / p	ressure valves
			_			
			corus			
			corus			
L						

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

5.10.8.	Pilot operated check valves, sandwi	ch tvi	ne
.10.0.	t not operated encem varies, sumant		R1 42 01 05
			Hydraulics-directive for suppliers, erection
			companies, managers and users
			Part 5: Selection control valves / pressure valves
	coru		
	coru	ıs	

Symbol according NEN 3348 (ISO 1219)	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valve
corus	

Figure 5.45	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	



Manufacture: Rexroth	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

Scheme 5.38	
Scheme 5.56	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Type	NW Openin	ng pressure as check valve 01 05 max.	Flow max
		Hydraulics-directive for suppliers,	erection
		companies, managers and us Part 5: Selection control valves / pres	sers sure valves
		Tart 3. Selection control varves / pres	saic varve.
	corus		

	(bar)	R1 42 01	05 bar	l/min.
	Hydraulics- comp	Hydraulics-directive for suppliers, erection companies, managers and users		
	Part 5: Selection	on control val	lves / pres	sure valves
cor				
COI	us			

	Z2S10-1-30	10	1,5	315	50
		1 1		K1 42 01 05	•
			compani	ective for supplie es. managers and	users
			compani Part 5: Selection	control valves / pr	ressure valves
		corus			
L			L		

Z2S22-1-50	25	3,0	R1 42 01 05 315	250
		compani	Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves	
		1 art 3. Selection	rares. Selection control varves, pressure varve	
	corus			

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Manufacture: Vickers	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
corus	

6.1 7.20	
Scheme 5.39	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	Part 3. Selection control valves / pressure valves
	orus (
СО	orus

Туре	NW O	pening pressure as	R1 42 max bar	Flow max.
	·	Hydraulics-di	rective for supplier	s, erection
		Part 5: Selection	ies, managers and u control valves / pro	essure valves
	corus			

	che	ck valve (bar)	R1 42 01 05	l/min.
	•	Hydraulics-o	directive for supplier	rs, erection
		compa	nies, managers and un control valves / pr	users essure valves
		Tart 3. Sciectio	in control varves / pr	essure varves
	corus			
	corus			

DGMPC-5-ABK-BAK-30 10	1,0 315 50 R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	
Coi us	

DONG OF DADD 51	25	2.1	210	1 250
DGPC-06-DADB-51	25	2,1	R1 42 01 05	250
		Hydraulics-d	irective for sup	pliers, erection
		Compar Part 5: Selection	nes, managers a control valves	and users / pressure valves
		Tart 3. Selection	i control varves	pressure varves
	corus			
	corus			
		<u> </u>		

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Note: These valves are not suitable in combination with proportional valves. R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
companies, managers and users Part 5: Selection control valves / pressure valves
corus

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

5.11.	Cartridge valves and accessories	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valve
	corus	

5.11.1. Application	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Cartridges valves may be used in special a	applications, i.e.: R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	rates. Selection control (artes) pressure varies
corus	
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

<ul> <li>when large flows are present (&gt; 250 l/n</li> </ul>	hin); R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

<ul> <li>when leakfree closing is achieved (from</li> </ul>	K1 42 01 03
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	
corus	

<ul> <li>when fast switching is achieved.</li> </ul>	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Complicated diagrams with cartridge used	for multiple functions should be avoided. R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	
Corus	

Cartridge mounting in	separate modules is	preferred. Covers facing up are preferred too. R1 42 01 05 Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valves
		Part 3. Selection control valves / pressure valves
	_	
	corus	

Cartridge dimensions as per DIN 24342, s	ee Technical Directive R1 42 01 02,
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	Fait 3. Selection control valves / pressure valves
corus	

paragraph 2.7.	
paragraph 2.7.	R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
co	brus

Pilot valvos (DN 6) proforable to be many	tad sanarata. Valvas shauld hava a damnina
rnot vaives (DN o) preferable to be moun	ted separate. Valves should have a damping R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

noss Orificas in manifold	
nose. Orifices in manifold.	R1 42 01 05
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
	-
corus	
<u> </u>	

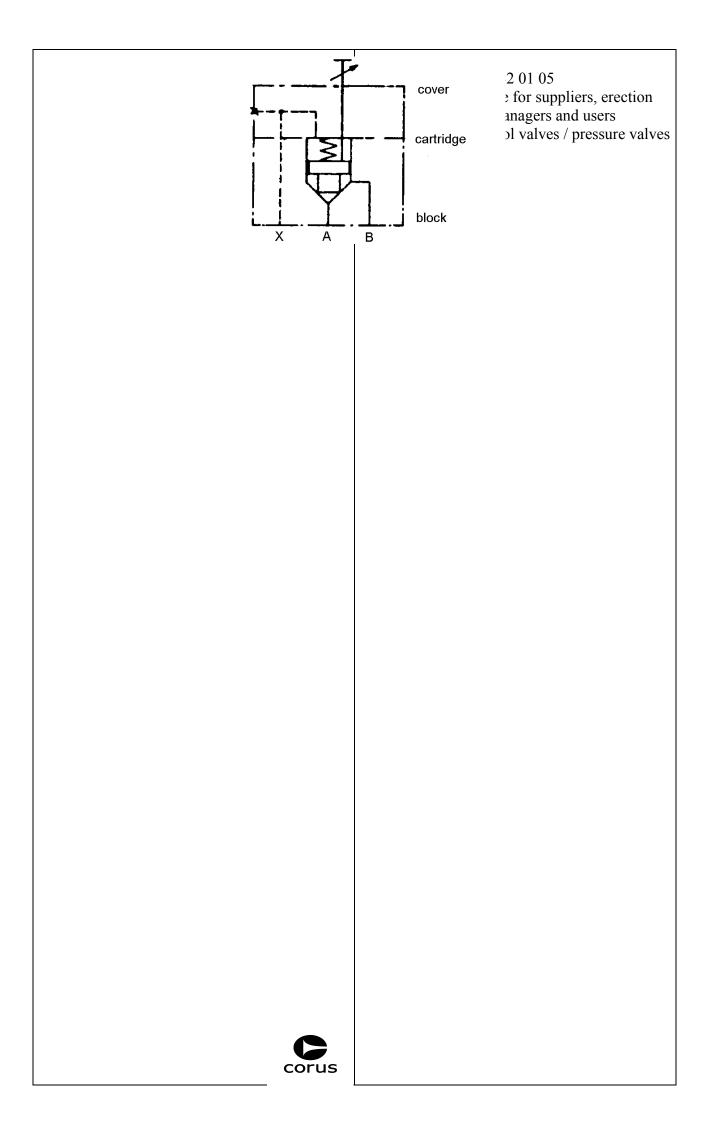
	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

5.11.2.	Cartridge valves, modules and covers	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valve

Full symbol as built-in (according DIN 24342)	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

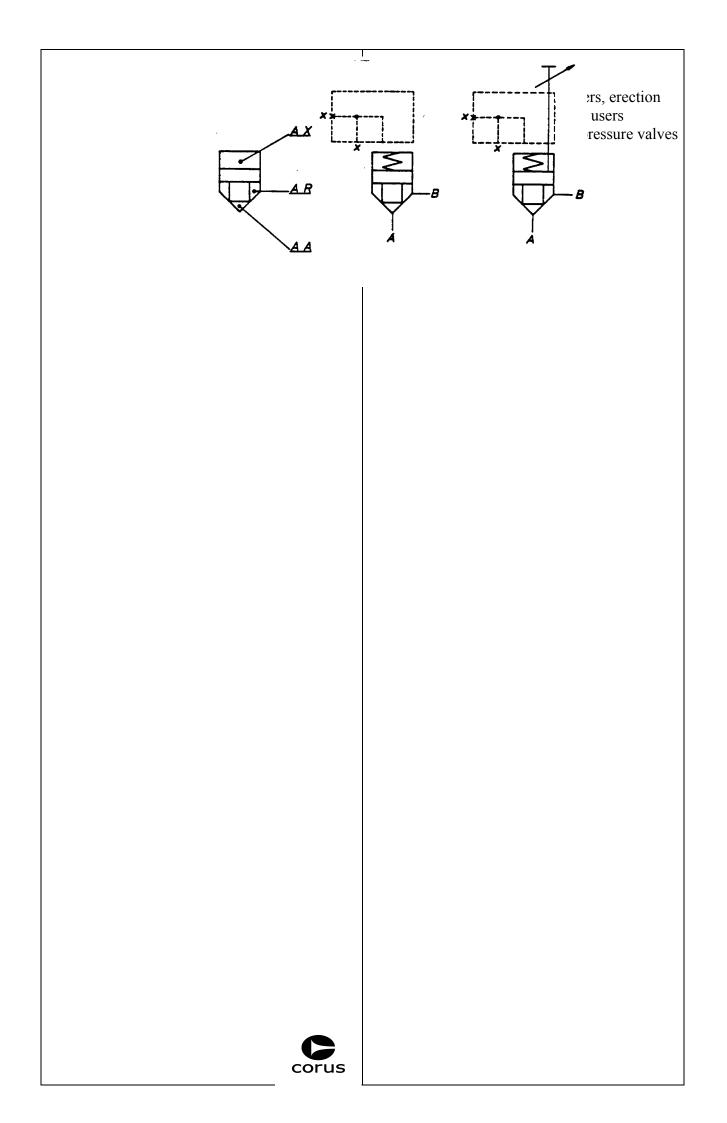
Figure 5.46	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	5



	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Technical specifications	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Figure 5.47 F	igure 5.48	<b>Figure 5.49</b> R f 42 01 05
	compar	lirective for suppliers, erection nies, managers and users n control valves / pressure valves
	Tart 3. Selection	ir control varves / pressure varves
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corus		



	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Preferable use the mentioned area ratios.	The character of the cartridge is dependent of the R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	Ture of Serection Control varies / pressure varies
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corus	

ratios of the areas	
ratios of the areas.	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

AA = 100%	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	corus
	corus

AR = 50%	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	corus

AX = 150%	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	corus

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

Opening pressure 1 bar.	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
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	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
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corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Manufacture Rexroth	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
	2 mars. Selection control varves, pressure varves
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Scheme 5.40	
Scheme 5.40	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
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	1		
Type		NW R	1 42 01 85max. 1/min.
		Hydraulics-direc	tive for suppliers, erection
		companies,	, managers and users
		Part 3. Selection co	ntrol valves / pressure valves
	corus		

1.01	6A10D 70		16	120
LCI	6A10D-70			R1 42 01 05
			Hydraulics-dire	ective for suppliers, erection
			Part 5: Selection of	es, managers and users control valves / pressure valves
				r
		corus		
		corus		

LC25A10D-70	25 R1 42 01 05
	Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
cor	rus

LC32A10D-70	32 R1 42 01 05 600
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	
corus	

LC40A10D-70		40	R1 42 01 05
		compa	directive for suppliers, erection nies, managers and users on control valves / pressure valves
	corus		

LC50A10D-70	50	R	1500
	H	draulics-direc	tive for suppliers, erection
		companies	, managers and users
	Part	5: Selection co	ntrol valves / pressure valves
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Co	orus		

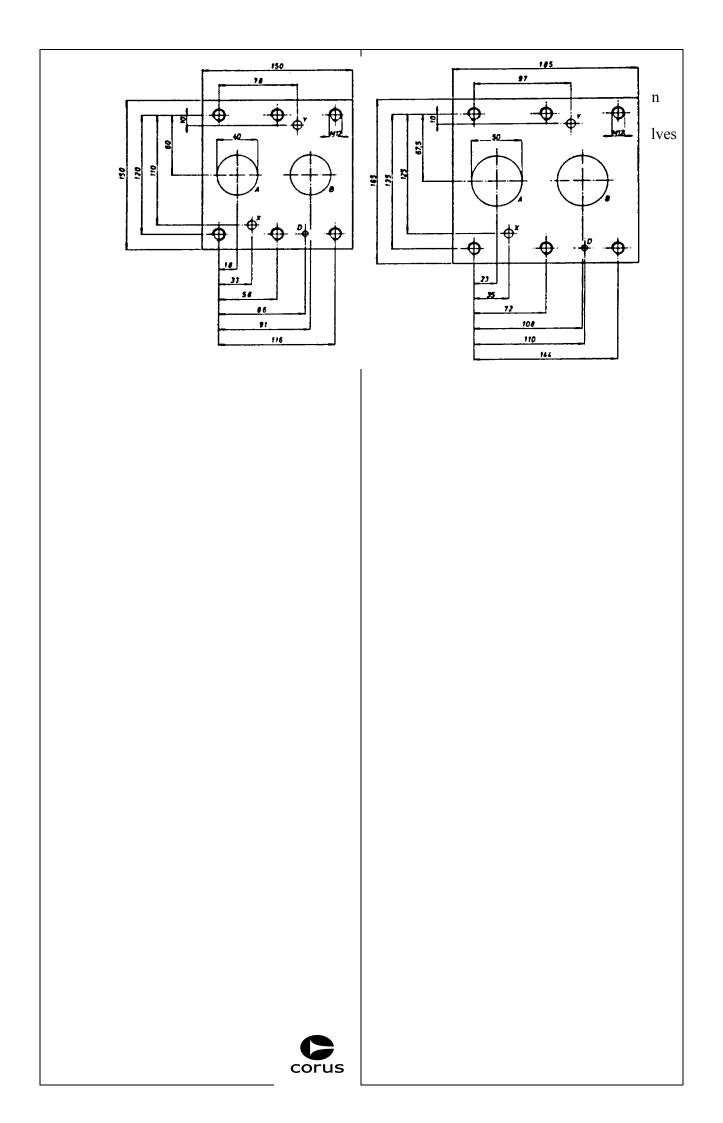
LC63A10D-70	63 R1 42 01 05 2100
	Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
со	Drus Corus

Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves					
Hydraulies-directive for suppliers, crection companies, managers and users Part 5: Selection control valves / pressure valves	LC80A10D-70		80 R	3500	
companies, managers and users Part 5: Selection control valves / pressure valves			Hydraulics-direc	tive for suppliers, erection	
			companies, managers and users		
corus			Part 5: Selection control valves / pressure valves		
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	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
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5.11.3. <i>Modules</i>		R1 42 01 05
		Hydraulics-directive for suppliers, erection companies, managers and users
	Par	rt 5: Selection control valves / pressure valve
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Figure 5.50	Figure 5 51
Figure 3.30	Figure 5.51 R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
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- PN 315	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
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<ul> <li>medium: mineral oil.</li> </ul>	R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
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corus	
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Scheme 5.41	
Scheme 3.41	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	companies, managers and users Part 5: Selection control valves / pressure valves
corus	

C 4:1 :		Manuel
Cartridge size		Mounting face 05
		Hydraulics-directive for suppliers, erection companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	
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I	DN 16		DN 25 DIN 24340
	DN 10		R1 42 01 05
			Trydiadiles directive for suppliers, election
			companies, managers and users Part 5: Selection control valves / pressure valves
		corus	
		Corus	

DV 25		DM 22	DD1 24240	
DN 25		DN 32	DIN 24340 R1 42 01 05	
		11yurauncs-unc	ctive for suppliers, election	
		companies, managers and users Part 5: Selection control valves / pressure valve		
		Part 5: Selection c	ontrol valves / pressure valves	
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	Corus			

		<u></u>
DN 32		DN 40 Figuur 5.50.
		Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
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DM 40		DN 50	E' 7.71
DN 40		DN 50	Figuur 5.51.
		Hydraulics-dire	ctive for suppliers, erection
		companies	s, managers and users
		Part 5: Selection co	ontrol valves / pressure valves
	corus		
	45		

5.11.4.	Closed covers with and without stroke li	miters P1 42 01 05
		R1 42 01 05 Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
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F1 1 020	
For symbols see page 938.	R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
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	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
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Sahama 5.42	
Scheme 5.42	R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
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Туре	<u> </u>	DN R1 42 01 05 Limiter
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 5: Selection control valves / pressure valves
	corus	

LFA16D70/F		16		No
EI I I I I I I I I I I I I I I I I I I	l		R1 42 01 05	
		nyuraunes-0	directive for suppnies, managers a	ind users
		Part 5: Selectio	on control valves	/ pressure valves
	corus			
	_	İ		

1	LFA16H3-70/F		16	<u> </u>	Yes
	LFA10H3-/0/F			R1 42 01 03	
			Hydrauli	cs-directive for sunpanies, managers	s and users
			Part 5: Selec	ction control valve	s and users es / pressure valves
		corus			
			1		

LFA25D70/F	25 R1 42 01 05 No
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
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LFA25H3-70/F		25 Yes Yes
		Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
	corus	

LFA32D70/F	32 R1 42 01 05 No
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
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	1		
LFA32H3-70/F		32	R1 42 01 05 Yes
		compa	directive for suppliers, erection unies, managers and users on control valves / pressure valves
	corus		

Hydraulics-directive for suppliers, erection companies, managers and users	T. D. 400 TO TO		40
companies, managers and users Part 5: Selection control valves / pressure valves	LFA40D70/F		40 R1 42 01 05 No
Part 5: Selection control valves / pressure valves			companies, managers and users
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LFA40H3-70/F		40	R1 42 01 05 Yes
		compani	rective for suppliers, erection es, managers and users control valves / pressure valves
	corus		

LFA50D70/F	50	R1 42 01 05 No
	Hydraulics-	directive for suppliers, erection
	comp	anies, managers and users
	Part 5: Selection	on control valves / pressure valves
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LFA50H3-70/F		50 R1 42 0	Yes
		Hydraulics-directive for companies, management 5: Selection control v	r suppliers, erection gers and users
	corus		

LFA63D70/F	63 R1 42 01 05 No
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 5: Selection control valves / pressure valves
	rus
cor	rus

LFA63H3-70/F		63	R1 42 01 05 Yes
		compa	directive for suppliers, erection nies, managers and users n control valves / pressure valves
	corus		

LFA80D70/F		80 R	No No
		Hydraulics-direc	tive for suppliers, erection
		companies	, managers and users
		Part 5: Selection co	introl valves / pressure valves
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LFA80H3-70/F		80	R1 42 01 05 Yes
		compa	directive for suppliers, erection unies, managers and users on control valves / pressure valves
	corus		

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Note: Stroke limiters with key kept up to	DN 40, for larger dimensions with hexagonal nut.
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	Tarte. Selection control varyes/ pressure varyes
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	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
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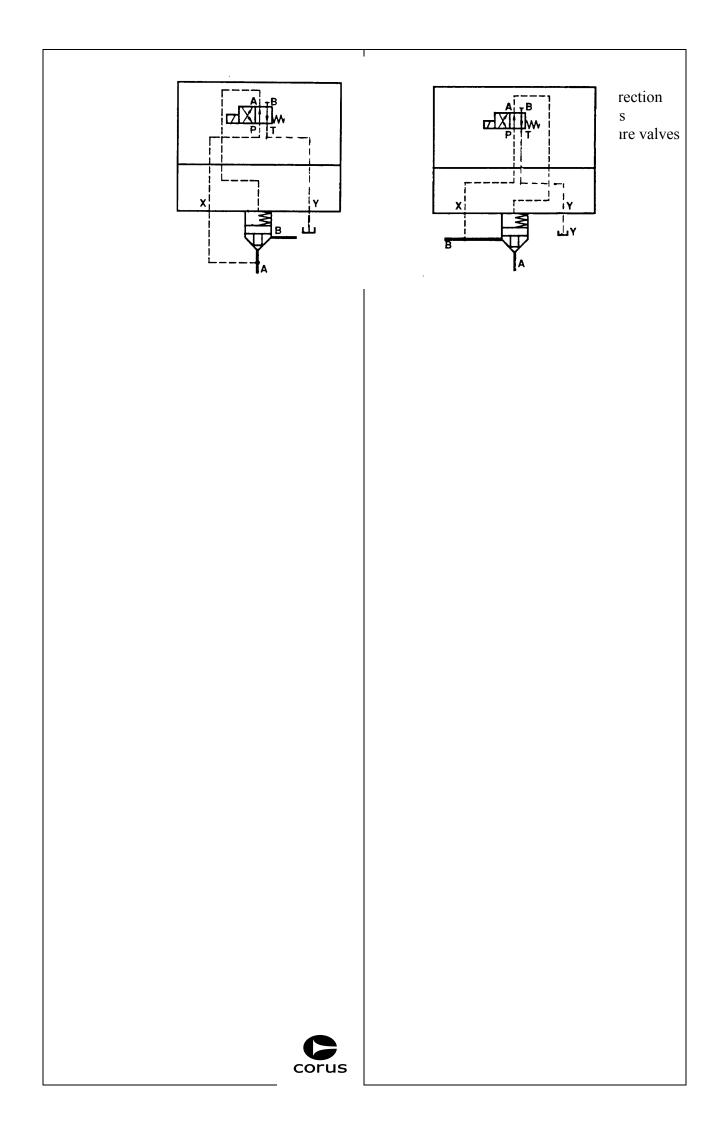
	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
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5	1.11.5. Covers for cartridges suitable	e for valve mounting R1 42 01 05
		Hydraulics-directive for suppliers, erection companies, managers and users
		Part 5: Selection control valves / pressure valves
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These can be equipped with a DN 6 of DN	10 spool valve or seat valve, see paragraph 5.1. R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	1 art 3. Selection control valves / pressure valves
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E:anua 5 50	Figure 5.52
Figure 5.52	Figure 5.53 R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	- unit of the control
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	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
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corus	

Attention: with a deenergized control valv	e the connection is only closed in one direction!
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
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In the other direction the cartridge has a re	turn valve function.
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	Ture of Serverion Control varies y prossure varies
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corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

Cal 5.42	
Scheme 5.43	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 5: Selection control valves / pressure valves
corus	

Tyne		Cover DN	Pilot valve DN
Туре			R1 42 01 Pilot valve DN
		Hydraulics-di	rective for suppliers, erection ies, managers and users
		Part 5: Selection	control valves / pressure valves
			probate various
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	corus		
	L		

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 ETTES WEITIN	I	R1 42 01 05  Hydraulics-directive for suppliers, erection
		companies, managers and users Part 5: Selection control valves / pressure valves
		Part 5: Selection control valves / pressure valves
	corus	

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	R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	Part 5: Selection control valves / pressure valves
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LFA40WEA70/	40	R1 42 01 05
	Hydraulics-dire companie	ective for suppliers, erection es, managers and users control valves / pressure valves
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LFA50WEA70/		50 R	10 10 10 10
		Hydraulics-direc	tive for suppliers, erection
		companies	, managers and users
		Part 5: Selection co	introl valves / pressure valves
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LFA63WEA70/		63	R1 42 01 05
		compar	irective for suppliers, erection nies, managers and users n control valves / pressure valves
	corus		

LFA80WEA70/	80
	R1 42 01 05
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
	Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

5.12. References	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
corus	

In this Technical Directive reference is ma	Ade to  R1 42 01 05  Hydraulics-directive for suppliers, erection companies, managers and users  Part 5: Selection control valves / pressure valves
corus	

	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
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INEIN 3340	R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
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corus	

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DIN 24342	R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
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	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
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	Part 5: Selection control valves / pressure valves
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	Hydraulics-directive for suppliers, erection companies, managers and users
	companies, managers and users Part 5: Selection control valves / pressure valves
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	companies, managers and users Part 5: Selection control valves / pressure valves
	Part 5: Selection control valves / pressure valves
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	R1 42 01 05 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 5: Selection control valves / pressure valves
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	Part 5: Selection control valves / pressure valves
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5.13. Explanation	R1 42 01 05 Hydraulics-directive for suppliers, erection companies, managers and users Part 5: Selection control valves / pressure valves
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