

R1 42 01 04 Technical Directive

Hydraulics-directive for suppliers, erection companies, managers and users
Part 4: Selection of conditioning equipment

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Information on

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.1. Tanks with a nominal volume of 1000 to	10.000 dm³ for hydraulic systems
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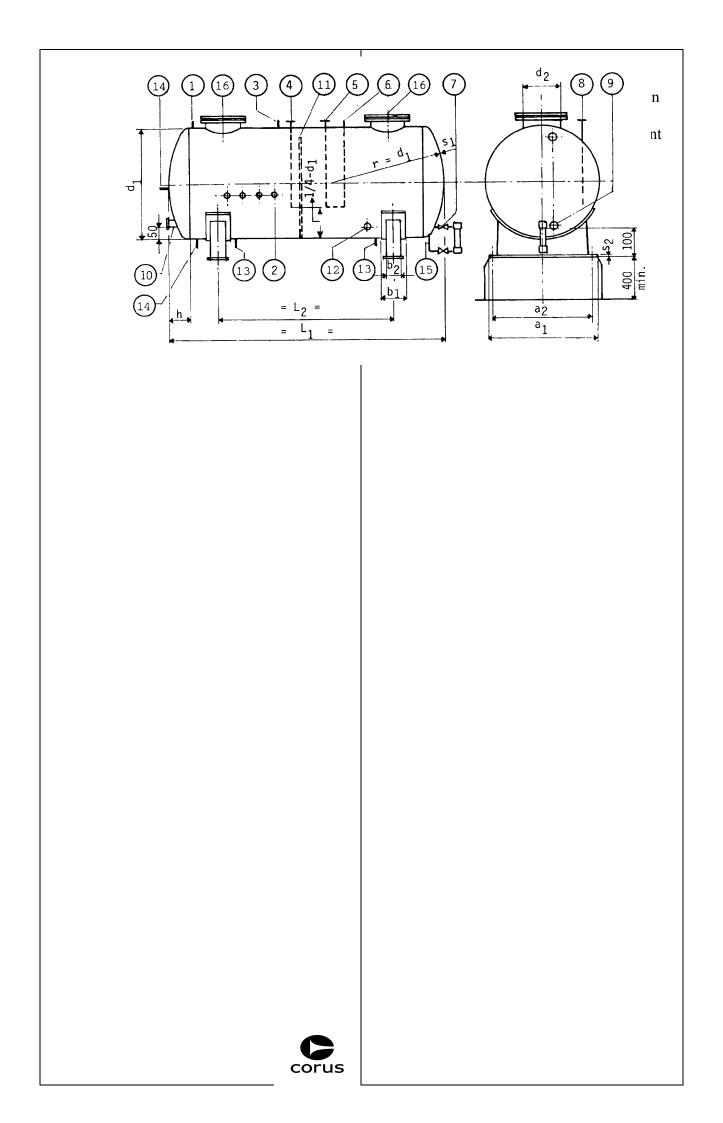
Tanks (reservoirs) are preferable of the roo	und type. Necessary details for integrating in a R1 42 01 04
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system are given in this part. Selection criteria see Technical Directive R1 42 01 02, R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users	L
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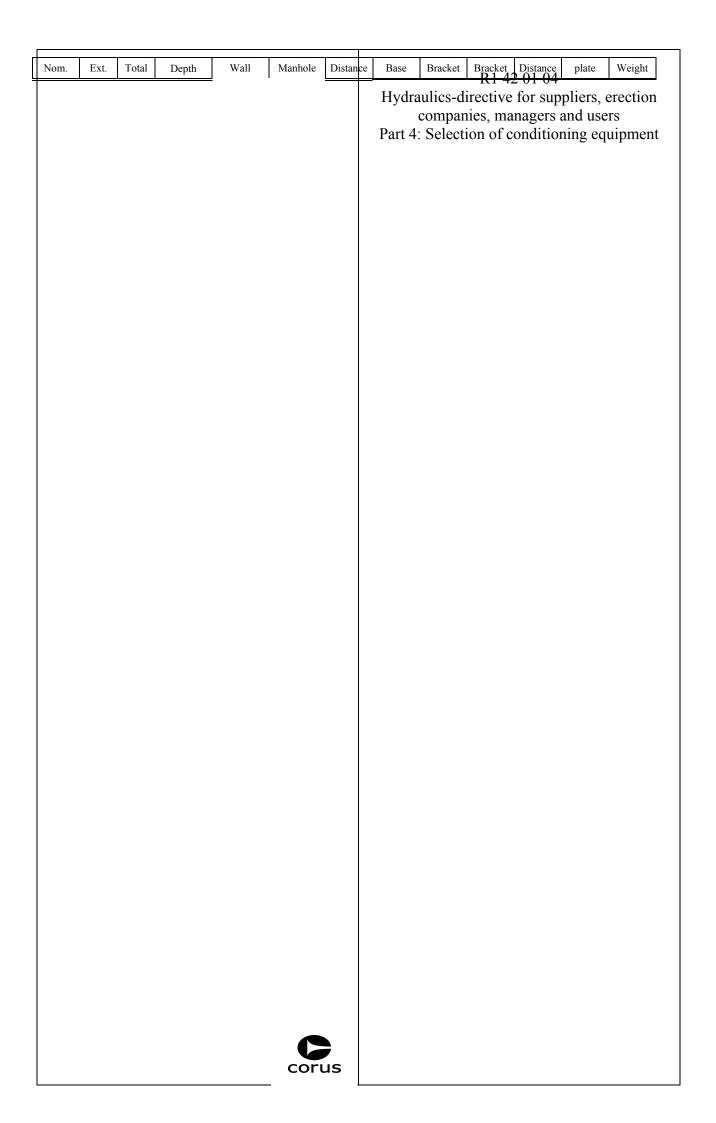
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Circular tanks according to DIN 6616	R1 42 01 04 Hydraulics-directive for suppliers, erection
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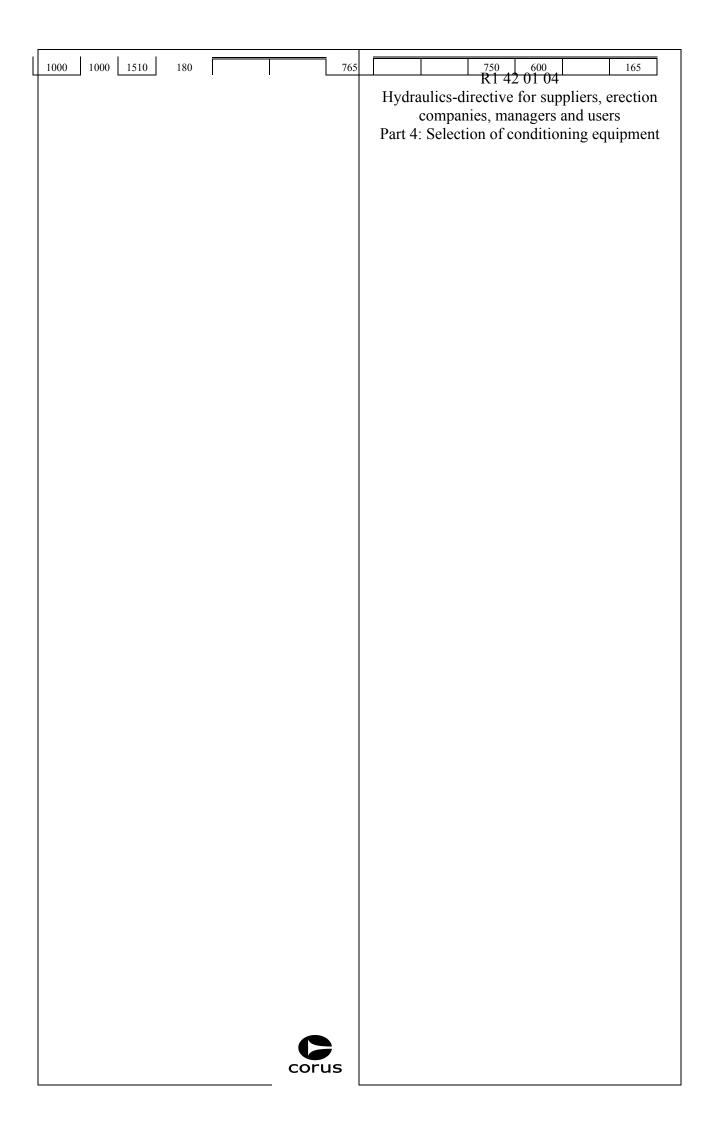
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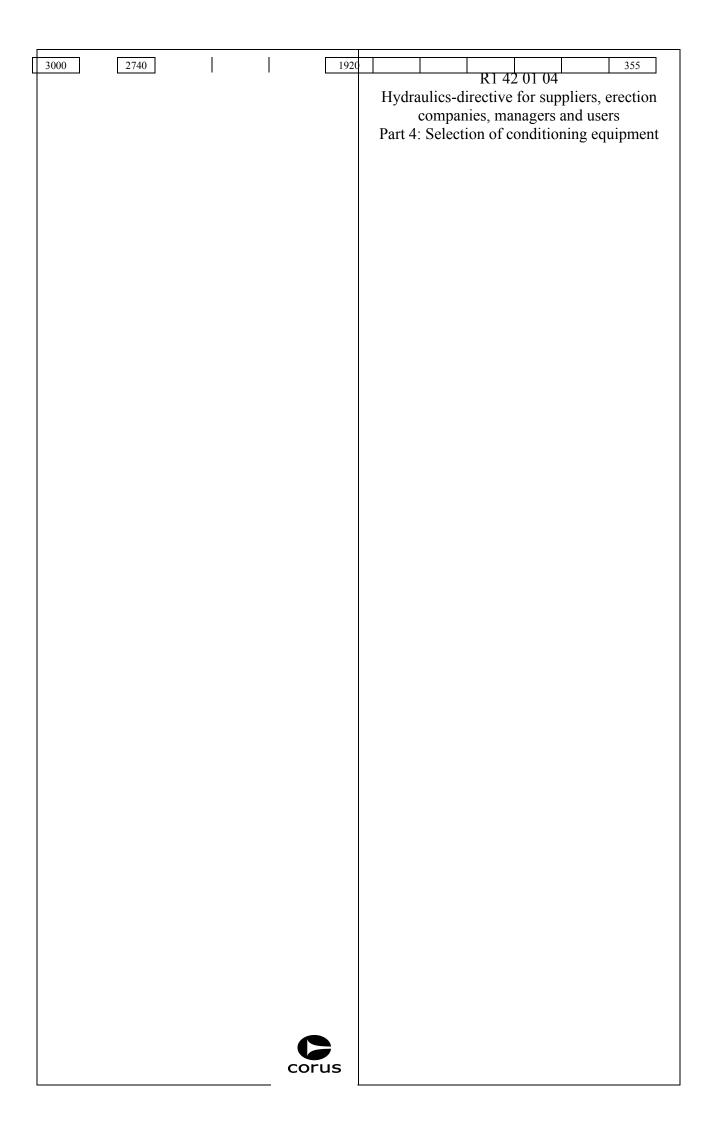
dm³ bottom	brackets breadth bracket ness R1 42 01 04	
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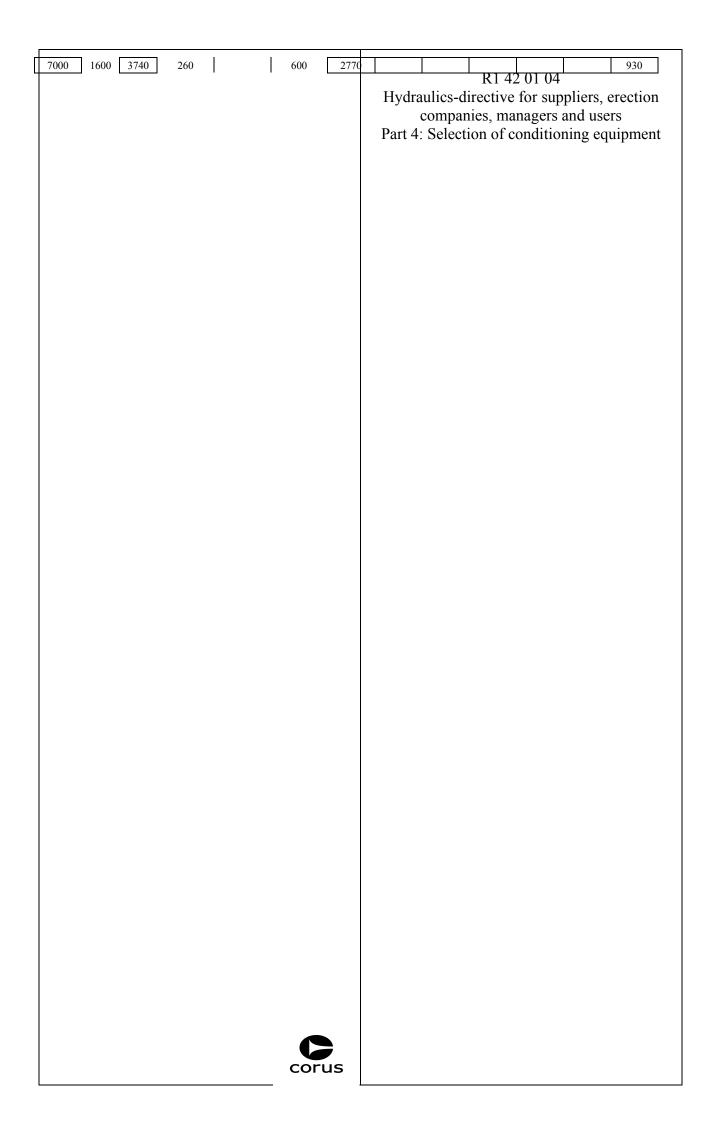
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Explanation numbers fig. 4.1.	R1 42 01 04
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1. Return connection centrifuge 2 x BSP	1/2" internal + 2 x BSP 1 1/2" extra (outflow R1 42 01 04
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opening below oil level).	
opening selow on level).	R1 42 01 04 Hydraulics-directive for suppliers, erection
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2. Temperature control: All tanks 1 x BSI	1/2" internal for capillary tube of temp.
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according to Technical Dire	rective R1 42 01 07, paragraph 7.6. and 2 x BSP 1/2" internal R1 42 01 04
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for temperature switches according to	Technical Directive R1 42 01 07, paragraph R1 42 01 04
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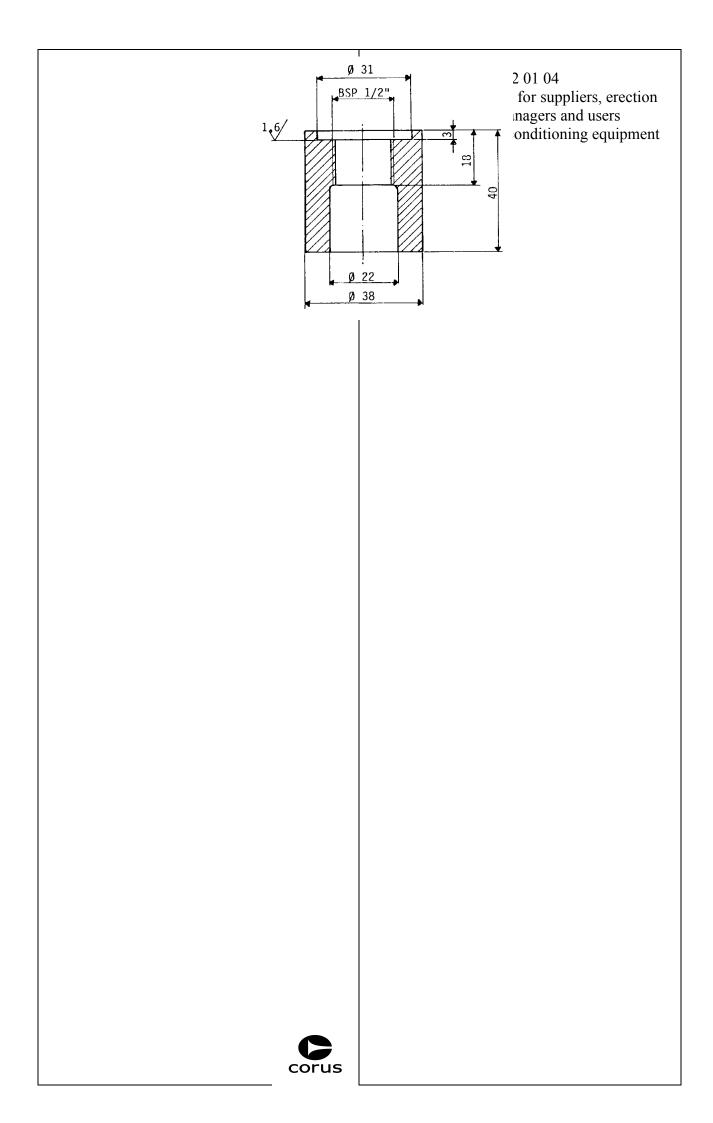
7.6.2. Distance between ten	emperature connections preferably 100 mm. To be mounted R1 42 01 04
	Hydraulics-directive for suppliers, erection companies, managers and users
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below "too low" level. See Figure 4.2.	R1 42 01 04 Hydraulics-directive for suppliers, erection
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Figure 4.2	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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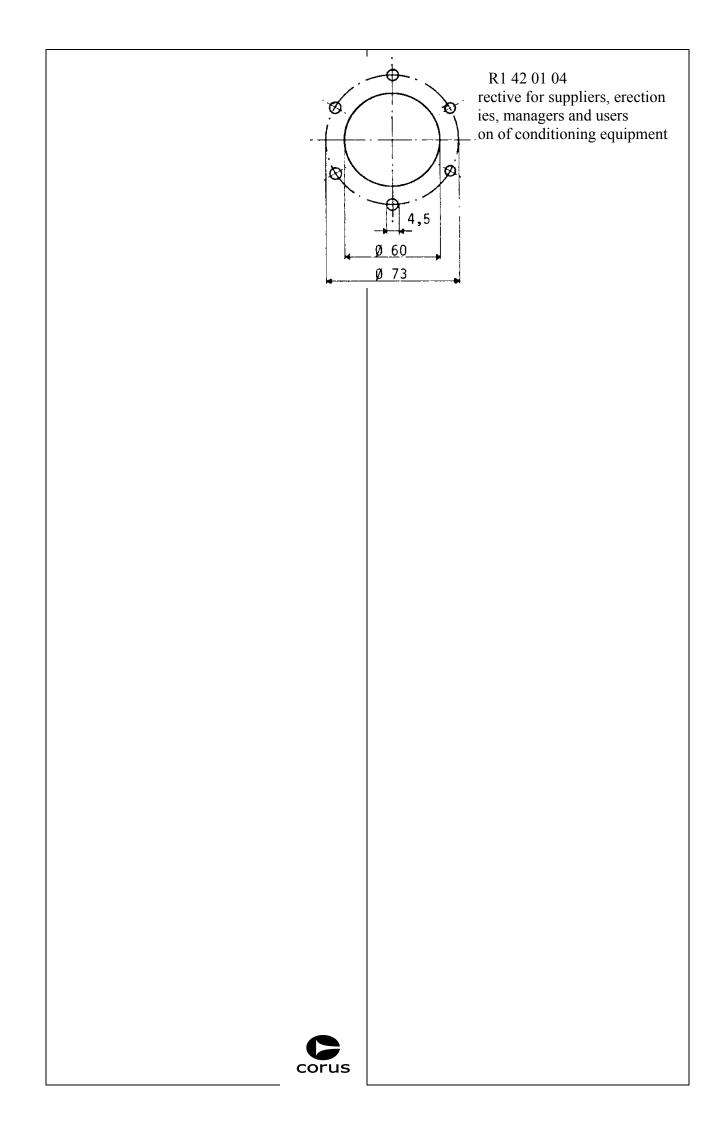


3. Breathing filters: the number of brea	thing filters depends on the type of system:
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according to paragraph 4.4. For conne	cting pattern see Figure 4.3.
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Figure 4.3	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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4. Return filter cooling unit: $V_{max} = 2m/s$	ec. (outflow speed in tank max. 1m/sec.).
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5. Return system flow: $V_{\text{max}} = 2\text{m/sec.}$ (e	outflow speed in tank 1m/sec.). R1 42 01 04
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6. Drain connection: V _{max} . = 0,5m/sec.	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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7. BSP 3/4" internal for upperside of	water indicator according to Technical Directive R1 R1 42 01 04
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8. Filling stub.	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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Hydraulies-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment	9. Level gauge according to Technical I	Directive R1 42 01 07, paragraph 7.6.
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10.Suction connection for system: V _{max} .	K1 42 01 04
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11.Partition: $V_{\text{max.}} = 0.1 \text{m/sec.}$ in opening.	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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12.0 () () () ()	·
12.Suction connection for filter and cooling	g unit: $V_{\text{max.}} = 0.5 \text{m/sec.}$ R1 42 01 04
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12.0.	DCD 1 1/011 i 1 1 1 1 1 1
13.Connection for centrifuge	e BSP 1 1/2" internal with ball cock on the lowest point. R1 42 01 04 Hydraulics-directive for suppliers, erection
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14.Connection for under the wat	ter indicator BSP 1 1/4" internal. R1 42 01 04
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15.Manhole. Space under the cover must be left entirely open, Design of the manhole R 420 104 Hydraulics-directive for suppliers, crection companies, managers and users Part 4: Selection of conditioning equipment	15.Manhole. Space under the cover must l	pe left entirely open. Design of the manhole
Part 4: Selection of conditioning equipment	•	Hydraulics-directive for suppliers, erection
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according to DIN 6616 with non-protro	ding partition. R1 42 01 04
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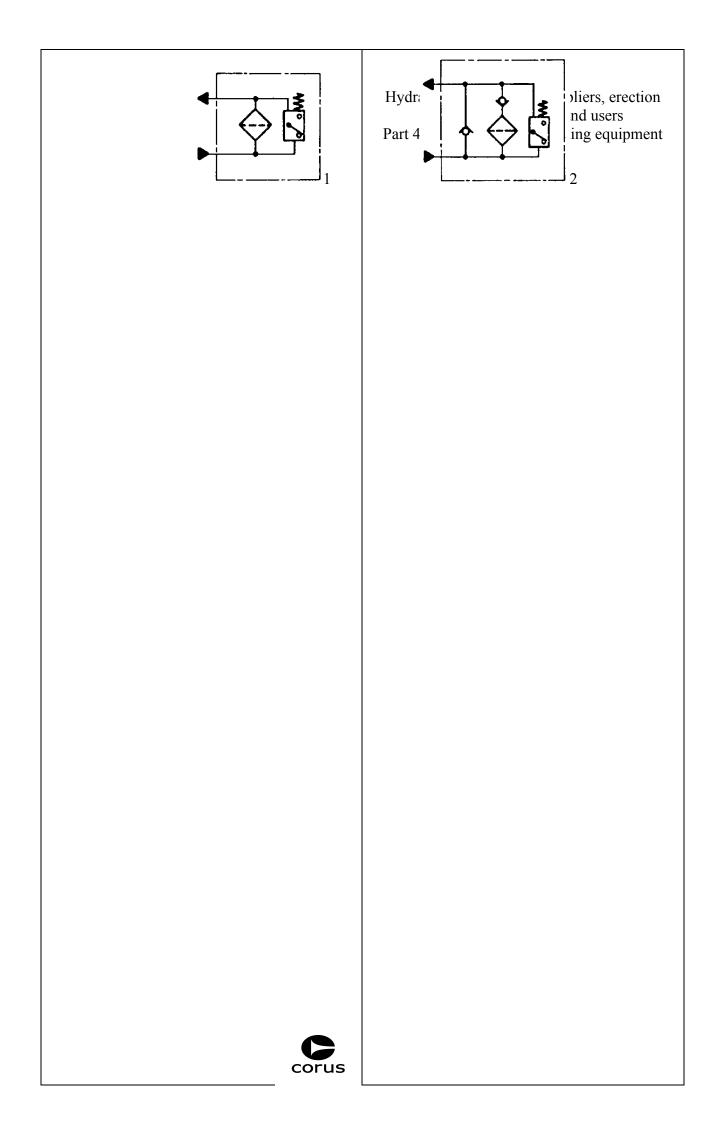
4.2.	High pressure filters		
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High pressure filters will be used mainly a	t the supply connection of pumps.
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	n m
No bypass valve is allowed.	For criteria, see Technical Directive R1 42 01 02, R1 42 01 04
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4.2.1. Symbols	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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Symbol 1: Flange mounted filter v	with pressure resistant element and visual/-electrical R1 42 01 04
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indicator.	
indicator.	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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Symphol 2: Idam, with reverse flew and viewel/ electrical indicator		
Symbol 2: Idem, with reverse flow and visual/-electrical indicator. R1 42 01 04		
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1.2.2.	Filterrating 3 µ absolute, element pressure	resistant R1 42 01 04
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Manufacturer: Pall	R1 42 01 04 Hydraulics-directive for suppliers, erection
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Element pressure resistant up to	Δ p = 210 bar R1 42 01 04 Hydraulics-directive for suppliers, erection
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Electrical clogging indicator with plug acc	ording to ISO 4400.
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Scheme 4.2	R1 42 01 04 Hydraulics-directive for suppliers, erection companies managers and users
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	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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Manufacturer: HYDAC	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Element pressure resistant up to	Δ p=21	Hydraulics-directive for suppliers, erection companies, managers and users
		Part 4: Selection of conditioning equipment
co	Drus	

		1
Indicating at	$\Delta p =$	8 bar R1 42 01 04
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 4: Selection of conditioning equipment
		0
	corus	
	_	

Electrical clogging indicator with plug acc	eording ISO 4400 R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	1 art 4. Selection of conditioning equipment
corus	



Scheme 4.3	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	



Type filter (complete)	Type element	Q-max.	Symbol PN	
Type mici (complete)	1 ypc cicilient		Symbol _{42 01 04} PN cs-directive for suppliers, of	erection
		con	npanies, managers and use	rs
		Part 4: Se	election of conditioning equ	uipment
	corus			
	corus			

	1/min. R1 42 01 04
	Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
CON	rus

DF BH/HC 110 QE3 D1.X	0110 D 003 BH3HC	<u> </u>		<u> </u>
	0110 D 003 BH3HC	50 Hydrauli	R1 42 01 0 ³ 15	araction
		cor	cs-directive for suppliers mpanies, managers and us	sers
		Part 4: Se	election of conditioning e	quipment
	corus			

VD 8 LE.0/-30C-OE	R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	companies, managers and users Part 4: Selection of conditioning equipment
	Drus Crus
CO	orus

lka	
(=flange mounted)	R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 4: Selection of conditioning equipment
corus	

	DF BH/HC 140 P 3 D1.X	0140 D 003 BH31	НС	50	R1 42 01 04 315
•				Hydraulics-o	directive for suppliers, erection
				compa Part 4: Selec	nies, managers and users tion of conditioning equipment
		corus			

	T
/VD8 LE.0/-30C-OE	
	R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 4: Selection of conditioning equipment
corus	
corus	

(= top mounted)		D1 42 01 04
		R1 42 01 04
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 4: Selection of conditioning equipment
		Part 4: Selection of conditioning equipment
	corus	
	corus	

Hydraulies-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment	DF BH/HC 500 QE3 D1.X	0500 D 003 BH3HC	250 R1 42 01 04 15
Part 4: Selection of conditioning equipment			Hydraulics-directive for suppliers, erection
			Part 4: Selection of conditioning equipment
corus			

NDS LE.0/-30C-OE RT 42 DT 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment		
Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment	VD8 LE.0/-30C-OE	
companies, managers and users Part 4: Selection of conditioning equipment	,	R1 42 01 04
companies, managers and users Part 4: Selection of conditioning equipment		Hydraulics-directive for suppliers, erection
Part 4: Selection of conditioning equipment		companies, managers and users
		Part 4. Selection of conditioning equipment
corus		1 art 4. Defection of conditioning equipment
corus		
COTUS		
COPUS		
COPUS		
corus		
COLUS		
	Corus	

=flange mounted)	R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies managers and users
	companies, managers and users Part 4: Selection of conditioning equipment
	1 art 4. Selection of conditioning equipment
	orus
	rue



1.2.3.	Filterrating 15 μ absolute, element pressu	re resistant
	2	R1 42 01 04 Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 4: Selection of conditioning equipment
	corus	

Manufacturer: Pall	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Element pressure resistant up to	$\Delta p = 2$	R1 42 01 04 Hydraulics-directive for suppliers, erection
		companies, managers and users Part 4: Selection of conditioning equipment
Co	orus	

Indicating at	$\Delta p =$	7 bar R1 42 01 04
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 4: Selection of conditioning equipment
		2 - 1 · 1
	corus	

Electrical clogging indicator v	vith plug acco	ording ISO 4400, plus optical indicator. R1 42 01 04
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 4: Selection of conditioning equipment
	corus	

E.F. G.	
Filter is flange mounted.	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 4: Selection of conditioning equipment
corus	
corus	

	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Scheme 4.4	
SCHOILE 4.4	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
corus	

	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Type filter (complete)	Tyma	element	O-may	Symbol	PN
Type inter (complete)	1 ype		Q-max ₄₂		
		con	npanies, mana	agers and use	ers
		Part 4: Se	election of cor	nditioning eq	uipment
	corus				

	1/min. R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	Part 4: Selection of conditioning equipment
cor	
cor	us
<u> </u>	

LIVLOCOL G 20 DEGW 0	110.06	01 FDT 011	200	 .	1 250
HH-9681-S-20-DTSW-9	HC-96	01-FDT-8H	300 R1 42		250
		Hydraulic	s-directive for	or suppliers	s, erection sers
		Part 4: Sel	panies, mana ection of con	nditioning	equipment
				_	
	corus				
	corus				

+ option MT + option PT		D1 42 01 0 4
		R1 42 01 04 Hydraulics-directive for suppliers, erection
		companies, managers and users
		companies, managers and users Part 4: Selection of conditioning equipment
		5 1 1
	corus	
	corus	

HH-9681-S-20-DTSW-9	HC-960)1-FDT-8H	300.	250
III 7001 5 20 B15 11 7	110-700		$\frac{300}{\text{R1}} \frac{42}{42} \frac{104}{104}$ s-directive for suppliers	- L
		com	panies, managers and u	sers
		Part 4: Sel	ection of conditioning	equipment
			_	
	corus			
	corus			

(reverse flow)		R1 42 01 04
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 4: Selection of conditioning equipment
		Part 4: Selection of conditioning equipment
	corus	
	corus	

+ option MT + option PT	R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	companies, managers and users Part 4: Selection of conditioning equipment
coru	,
coru	ıs

HH-9681-S-20-DTSW-9	HC-960	1-FDT-16H	450 42 01 04 ¹	250
			s-directive for suppliers	•
		com	panies, managers and u	sers
		Part 4: Sel	ection of conditioning	equipment
			· ·	
	_			
	corus			
	corus			

+ option MT + option PT	R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	companies, managers and users Part 4: Selection of conditioning equipment
coru	,
coru	ıs

HH-9681-S-20-DTSW-9	HC-960	1-FDT-16H	450 R1 42 01 04 ²	250
			s-directive for suppliers	
		com	panies, managers and u	sers
		Part 4: Sel	ection of conditioning e	quipment
	corus			
	corus			

(reverse flow)		P1 42 01 04
		R1 42 01 04 Hydraulics-directive for suppliers, erection
		companies, managers and users
		companies, managers and users Part 4: Selection of conditioning equipment
		0 1 1
	corus	
	corus	

+ option MT + option PT		P1 /2 N1 N/
		R1 42 01 04 Hydraulics-directive for suppliers, erection
		acompanies managers and users
		companies, managers and users Part 4: Selection of conditioning equipment
		Fait 4. Selection of conditioning equipment
	corus	
	corus	
<u>L</u>		

~	
(L for S is EPE-aansluiting)	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
corus	
corus	

	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

4.2.4.	Filterrating 20 μ absolute, element pr	ressure resistant
		R1 42 01 04 Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 4: Selection of conditioning equipment
	coru	
	coru	ıs

N	
Manufacturer: EPE	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
corus	
corus	

Element pressure resistant up to	Δ p = 330 bar R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
CO	corus

Indicating at	$\Delta p = 4.2 \text{ bar}$ R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 4: Selection of conditioning equipment
	corus

Supply including indicator (heavy duty)	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
corus	
corus	

Filter is flange mounted.	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	



Scheme 4.5	
Scheme 4.5	R1 42 01 04 Hydraulics-directive for suppliers, erection companies managers and users
	companies, managers and users Part 4: Selection of conditioning equipment
corus	



Type filter	Type element	Q-max. R1 Symbol	PN	EPE
	H	ydraulics-directive for supp	liers, ere	ction
	Pa	companies, managers and the selection of conditions	na users ing equip	ment
			<i>C</i> 1 1	
	corus			

(complete)	1/min. R1 42 01 04 draw
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
corus	

1		200 1 250
250FE360H20SL-B00-	2.360H20SL-B00	K1 42 01 04
		Hydraulics-directive for suppliers, erection companies, managers and users
		Part 4: Selection of conditioning equipment
		6 1 1
	corus	

00X4.2-00P00 SO	
	K1 42 U1 U4
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 4: Selection of conditioning equipment
corus	
corus	

250FE360H20SL-B00-	2.360H20SL-B00	-0-P	300	R1 42 61 04	250	13906-4
		Hye	draulics-dire	ective for supp	oliers, ere	ection
		companies, managers and users Part 4: Selection of conditioning equipment			nment	
		1 ar	. 4. Delectio	ii or condition	ing equi	Sincin
	corus					

00X4.2-00P0X SO	R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	companies, managers and users Part 4: Selection of conditioning equipment
cort	, IS

	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	



Manufacturari LIVIDAC		
Manufacturer: HYDAC	R1 42 01 04	
	Hydraulics-directive for suppliers, erect	ion
	companies, managers and users Part 4: Selection of conditioning equipm	ent
	1 art 4. Selection of conditioning equipm	CIIt
	corus	
L	L	

Element pressure resistant up to	$\Delta p = 210 \text{ bar}$ R1 42 01 04	
	Hydraulics-directive for suppliers, erection companies, managers and users	l
	Part 4: Selection of conditioning equipmen	t
	corus	
CC	corus	

Indicating at	$\Delta p =$	8 bar R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	corus	

THE STATE OF THE S	1 1 12 100 1100 1
Elektrical clogging indicator wi	th plug according ISO 4400, plus optical indicator. R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 4: Selection of conditioning equipment
	corus

Filter is flange mounted.	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	



Sohome A.C	
Scheme 4.6	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	Part 4. Selection of conditioning equipment
СО	orus



Type filter (compleet	Тур	e element	R ₁ 42 Symbool	PN
		Hydraulics-	directive for suppliers	, erection
		Compa	anies, managers and us ction of conditioning e	sers guinment
		Tart 4. Belev	ction of conditioning c	quipinent
CC	orus			

			max. R 1 4	2 01 04		
_	 	Hydraulics-directive for suppliers, erection				
		compa Part 4: Selec	anies, ma	inagers and i	asers	
		Part 4: Selec	ction of c	conditioning	equipment	
	corus					
	corus					

	1/min _{42 01 04}
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	Part 4: Selection of conditioning equipment
coru	is
201 2	·-

DFBH/HC330QE20D1.X	0330 D	020 BH3HC	300 1 R1 42 01 04	350	
		Hydroulica	NI 42 UI U4	are arantion	
		Hydraulics-directive for suppliers, erection			
		companies, managers and users Part 4: Selection of conditioning equipment			
		Part 4: Selection of conditioning equipment			
	corus				
C	orus				

/VD 8 LE.0/-30C-OE	R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	Part 4: Selection of conditioning equipment
_	
corus	
corus	5

Г	DEDITING CONTRACTOR CO		000 07707-	200		2.50
	DFBH/HC330QE20D1.X	0330 E	020 BH3HC	300 R1 42 01	$\frac{2}{04}$	350
			Hydraulics-	-directive for	suppliers	s, erection
			companies, managers and users			
			companies, managers and users Part 4: Selection of conditioning equipment			
		_				
		corus				
		corus				

/VD 8 LE.0/-30C-OE-REV	
	R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	Part 4: Selection of conditioning equipment
corus	
corus	5

DFBH/HC990QE20D1.X	0990 D	020 BH3HC	450 1 R1 42 01 04	350	
		Hydraulies.	-directive for supplie	rs, erection	
		Hydraulics-directive for suppliers, erection companies, managers and users			
		companies, managers and users Part 4: Selection of conditioning equipment			
		Ture 1. Selection of conditioning equipment			
	_				
	corus				

NDS LE 0/-30C-OE R1 42 UT 04 Hydraulies-directive for suppliers, crection companies, managers and users Part 4: Selection of conditioning equipment		
Hydraulies-directive for suppliers, crection companies, managers and users Part 4: Selection of conditioning equipment	/VD 8 LE.0/-30C-OE	
companies, managers and users Part 4: Selection of conditioning equipment		R1 42 01 04
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 4: Selection of conditioning equipment
corus		
	corus	

		T		
DFBH/HC990QE20D1.X	0990 D	020 BH3HC	450 2 R1 42 01 04	350
		II	K1 42 U1 U4	a anasti-
		Hydraulics	-directive for supplier	s, erection
		Comp	anies, managers and u	asers
		Part 4: Sele	ction of conditioning	equipment
	corus			
C	corus			
 		1		

/VD 8 LE.0/-30C-OE-REV	
	R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	Part 4: Selection of conditioning equipment
coru	s
Cord	-

4.3.	Low pressure filters		
7.3.	Low pressure litters		R1 42 01 04 Hydraulics-directive for suppliers, erection
			companies, managers and users Part 4: Selection of conditioning equipment
		corus	

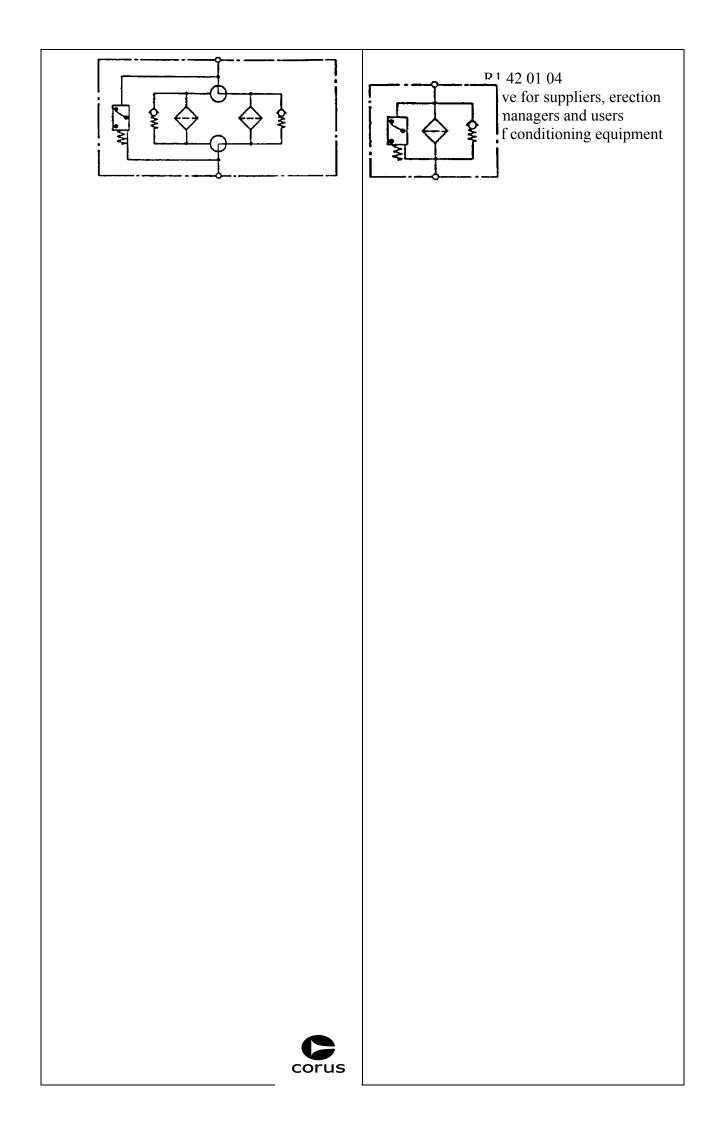
4.3.1. <i>Symbols</i>	R1 42 01 04
	Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	a month of the manual manage equipment
	corus

Low pressure filters are mainly applied as return filters, bypags filters and/or boost pressure Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment		
companies, managers and users Part 4: Selection of conditioning equipment	Low pressure filters are mainly a	applied as return filters, bypass filters and/or boost pressure R1 42 01 04
Part 4: Selection of conditioning equipment		Hydraulics-directive for suppliers, erection companies, managers and users
corus		Part 4: Selection of conditioning equipment
corus		
·	C	corus

filters, and equipped w	ith a bypass valve.	For criteria see Technical Directive R1 42 01 02, R1 42 01 04
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 4: Selection of conditioning equipment
		Fait 4. Selection of conditioning equipment
	corus	
	corus ——	

	7
paragraph 2.5.	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

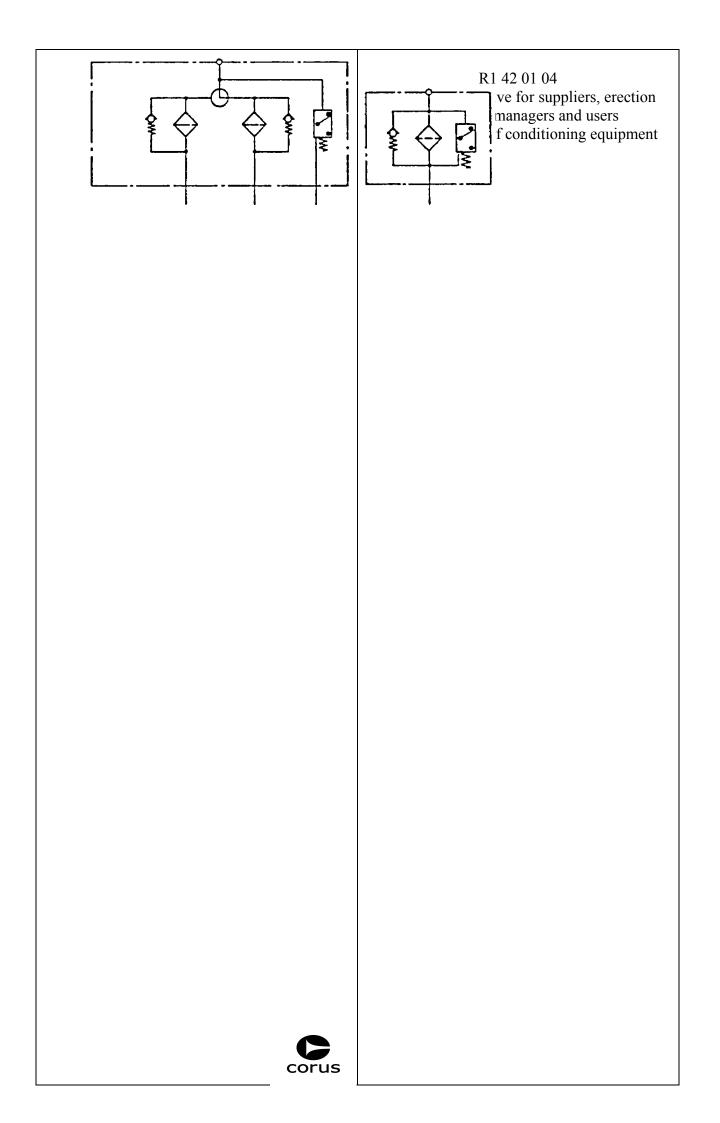
	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	



	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Symbol 1: double inline filter	Symbol 2: single inline filter
Symbol 1. dodole mime meet	Symbol 2: single inline filter R1 42 01 04 Hydraulics directive for suppliers, erection
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
core	us

	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	



	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Symbol 3: double tanktop filter	Symbol 4: single tanktop filter R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
cort	ıs

	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Filters are always againsed with an entire	cal and electrical closering indicator
Filters are always equipped with an option	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
corus	
Colus	

The electrical clogging indicator indicator	ates above 30° C.
	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
corus	5



4.3.2. Filterrating 3 μ	R1 42 01 04
	Hydraulics-directive for suppliers, erectio companies, managers and users Part 4: Selection of conditioning equipment
	corus
	corus

Manufacturer Pall	
ivianuraciulei Faii	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users
	companies, managers and users Part 4: Selection of conditioning equipment
corus	

$\Delta p > 1,5$ bar	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	corus

	7
Indicating: $\Delta p > 1,1$ bar	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Electrical clogging indicator with plug acc	ording to ISO 4400.
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	· · · · · · · · · · · · · · · · ·
corus	
Coi us	



Sahama 4.7	
Scheme 4.7	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	rart 4. Selection of conditioning equipment
CC	orus .



Type filter (complete)	Type elemen	t Q-max. 1/mip. 1 42 ymbol PN DN
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 4: Selection of conditioning equipment
		Ture 1. Serection of conditioning equipment
	corus	
	corus	

HH8520-F32-KPSA-1	HC8500FKP-	8H 100 R1 42 01 04 10 SAE2"
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 4: Selection of conditioning equipment
		Ture 1. Selection of conditioning equipment
	corus	
	corus	

R1 42 01 04
Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment

+ option MT + option PT	
	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users
	companies, managers and users Part 4: Selection of conditioning equipment
coru	
coru	S

1								-
	HH8520-F32-KPTA-1	HC8500FKP-	13H	200	R1 42 0 ⁴ 04	10	SAE2"	
			Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment					
							ment	
			1	art 4. Beleetik	on or condition	ing equip	mom	
		corus						
		corus						

+dual indicationblock	
	R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 4: Selection of conditioning equipment
cor	
cor	us
-	

+ option MT + option PT	B1 42 01 04
	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	Part 4: Selection of conditioning equipment
cort	IS

							1
HH8420-F48-KPUA-1	HC8400FKP-	16H	400	R1 42 0 ⁴ 04	10	SAE3"	
		H	Iydraulics-dir	ective for supp	liers, ere		
			compani	es, managers a	nd users		
		P	art 4: Selection	on of condition	ing equip	ment	
	corus						
	corus						Ì

+dual indicationblock		R1 42 01 04	
	Hydraulic	s-directive for supplie	ers, erection
	com	panies, managers and	users
	Part 4: Sel	panies, managers and ection of conditioning	g equipment
	orus		
CC	. 45		

+ option MT + option PT R1 42 01 04 Hydraulics-directive for suppliers, erect companies, managers and users Part 4: Selection of conditioning equipm	
Hydraulics-directive for suppliers, erect companies, managers and users	
companies, managers and users	
Part 4: Selection of conditioning equipn	nent
Part 4: Selection of conditioning equipn	nent
corus	

	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Bypass:	$\Delta p > 3.5 \text{ bar}$	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	_	corus

Indicating: $\Delta p > 2,5$ bar	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	



Schome 4 9	
Scheme 4.8	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users
	companies, managers and users Part 4: Selection of conditioning equipment
corus	



Type eleme	nt	Q-n	nax.	l/min.	48ymbyl	PN	D
		Hydra	ulics	-directi	ve for sup	pliers, er	ection
	E	Oart 1.	omp Sele	anies, r	nanagers	and users ning equi	nment
	1	art +.	SCIC	ction o	Conditio	ning equi	pincin
corus							

HH7500-C24-KPS9-1	HC7500SKP-	8H	150	R1 42 01 04	14	G 1½"
		ŀ	Hydraulics-d	irective for supp	oliers, erec	
		P	compar art 4: Select	nies, managers a ion of condition	nd users ing equipr	ment
					8 - 1	
	corus					

+dual indicationblock		
· dual indicationolock		R1 42 01 04
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 4: Selection of conditioning equipment
		raft 4: Selection of conditioning equipment
_	Corus	
	Corus	

+ option MT + option PT	
	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	Part 4: Selection of conditioning equipment
COL	rus

_								
	HH7502-F32-KPS9-1	HC7500SKP-	8H	300	R1 42 0 ² 04	14	G 2"	
				<u> </u>	ective for supp			
				compani	es, managers a	nd users		
			P	art 4: Selection	on of condition	ing equipi	nent	
		corus						
		corus						

+dual indicationblock	(2 elements para	llel) B1 42 01 04
		R1 42 01 04 Hydraulics directive for suppliers erection
		Hydraulics-directive for suppliers, erection companies, managers and users
		Part 4: Selection of conditioning equipment
		1 art 4. Selection of conditioning equipment
	corus	
	corus	

+ option MT + option PT	R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	companies, managers and users Part 4: Selection of conditioning equipment
coru	s

HH8300-F40-KPUB-91	HC8300FKP-16	6Н	500	R1 42 01 04	25	SAE	
		I	ydraulics-di	rective for supp	liers, erec		
		Pa	compani rt 4: Selection	ies, managers aron of condition	nd users ing equipr	nent	
		ı u	it i. Selecti	on or condition	mg equipi		
	corus						

	, , ,
+ option MT + option PT	R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	companies, managers and users Part 4: Selection of conditioning equipment
cor	>
cor	us



	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users
companies, managers and users Part 4: Selection of conditioning equipment
corus

		1
Element pressure resistant up to	Δ p=3 bar	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	corus	

Indicating at	Λ n=7 har	
midicating at	Δ p=2 bar	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users
		Part 4: Selection of conditioning equipment
	corus	

lectrical clogging indicator with plug according I	SO 4400
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 4: Selection of conditioning equipment
corus	
Coi us	



Tabel 4.9		R1 42 01 04
		Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipmen
	corus	



Hydraulics—directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment	Type filter (complete)	Type element	Q-max. 1/min.	Symbol PN Connect.]
companies, managers and users	- JF ()	- 7 F +			description is a second of the
Part 4: Selection of conditioning equipment				companies, managers and us	sers
			Part 4:	Selection of conditioning e	equipment
corus		cor	rus		

RF BN/HC 330 DL3D1.X 0330 R 003 BN3HC	100 4 25 SAE2"
KF DIV/TIC 330 DL3D1.A 0330 K 003 BIN3TIC	R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	Part 4: Selection of conditioning equipment
corus	
corus	

/VR 2 LE.0/-30C-OE		P 42 41 04
		R1 42 01 04
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 4: Selection of conditioning equipment
		0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	corus	
	corus	
	<u></u>	

RF BN/HC 660 DN3D1.X 0660 R 003 BN3HC	200 4 25 SAE3"
M DIVITE 000 DIVIDITA 0000 K 003 DIVITE	R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	Part 4: Selection of conditioning equipment
	The man of the man of the property
corus	
corus	

	T	
/VR 2 LE.0/-30C-OE		
	•	R1 42 01 04
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 1: Salastian of annditioning againment
		Part 4: Selection of conditioning equipment
	corus	
	COLLE	
	corus	

RF BN/HC 950 DO3D1.X 0950 R 003 BN3HC	400 4 25 SAE3½"
M DIVITE 750 DOSDI.A 0750 K 003 DIVSTIC	R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	companies, managers and users Part 4: Selection of conditioning equipment
	The most of continuing of the month
corus	
corus	

	T	
/VR 2 LE.0/-30C-OE		
	•	R1 42 01 04
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 1: Salastian of annditioning againment
		Part 4: Selection of conditioning equipment
	corus	
	COLLE	
	corus	



Tabel 4.10		R1 42 01 04
		Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipmen
	corus	



Type filter (complete)	Type element	Q-max. 1/min. Symbol PN01Connect
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 4: Selection of conditioning equipment
	COT	rus

	-
RFL BN/HC851DQ3D1.X 0850 R 003 BN3HC	300 2 25 DIN80 R 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	companies, managers and users Part 4: Selection of conditioning equipment
corus	

/VD 2 LE.0/-30C-OE		D 12 01 01
		R1 42 01 04
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		Part 4: Selection of conditioning equipment
	corus	
	corus	

	1	<u> </u>
NF BN/HC 1310DP3D2.X	1300 R 003 BN3HC	500 2 25 SAE4" R1 42 01 04
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		companies, managers and users Part 4: Selection of conditioning equipment
	corus	

/VD 2 LE.0/-30C=OE	
,	R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 4: Calastian of conditioning againment
	Part 4: Selection of conditioning equipment
	corus
	corus
_	



4.3.3. Filterrating 10 μ	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
coru	s

Manufacturer: Pall	
ivianuracturer. Fan	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users
	companies, managers and users Part 4: Selection of conditioning equipment
corus	
corus	5

Bypass:	$\Delta p > 3,4 \text{ bar}$	
Ση ράσο.	Δp 2,10m	R1 42 01 04 Hydraulics-directive for suppliers, erection
		companies, managers and users Part 4: Selection of conditioning equipment
	cor	IS
		us

Indicating:	$\Delta p > 2,5$ bar	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
		rus

	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Cahama 4.11	
Scheme 4.11	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
CO	rus

	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Type filter (complete)	Type element	Q-1	nax. 1/min.	Symbol 42 0PN 4	DN
			Hydrauli	es-directive for sup	ppliers, erection
			Part 4: Se	npanies, managers lection of condition	oning equipment
	coru	S			

. [
HH8300-F40-KSUB-91	HC8300FKSU-16H	500	2 R14	10 42 01 04	65	
		Hvdrauli		e for supp	liers, ered	ction
		con	npanies, m	anagers ar	nd users	
		Part 4: Se	election of	conditioni	ng equip	ment
					C 1 1	
	corus					
	corus					

	<u>, l</u>	
+ option MT + option PT		R1 42 01 04
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 4: Selection of conditioning equipment
		Part 4: Selection of conditioning equipment
	corus	
	corus	

	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

With larger flows these filters can be set p	arallel. See Technical Directive R1 42 01 04
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
corus	

D1 42 01 02	
R1 42 01 02, paragraph 2.5.3.	R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	Fart 4. Selection of conditioning equipment
_	
corus	
corus	



	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

T	
Manufacturer: HYDAC	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Element pressure resistant up to	Δ p=3	Hydraulics-directive for suppliers, erection companies, managers and users
		Part 4: Selection of conditioning equipment
CC	brus	

Indicating at	$\Delta p=2$ bar R1 42 01 04	
	Hydraulics-directive for suppliers, erection	n
	companies, managers and users	
	Part 4: Selection of conditioning equipme	nt
	corus	
	corus	

Electrical clogging indicator with plug acc	eording ISO 4400 R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	1 art 4. Selection of conditioning equipment
corus	



mi cu	
The filters are provided with:	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	Tare 1. Selection of conditioning equipment
corus	

-	venting screws at the co	over of all inl	K1 42 01 04
			Hydraulics-directive for suppliers, erection companies, managers and users
			Part 4: Selection of conditioning equipment
		corus	
			

-	the housing of all inline filte	ers with a drain with plug (bottom side); R1 42 01 04
		Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
		Tart 4. Selection of conditioning equipment
	CO	orus

- pressure leveling for all double filter	s (except size 331);
	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Ī	-	ordering numbers exluding counter	flanges, else add GA to the number;
			Hydraulics-directive for suppliers, erection
			companies, managers and users Part 4: Selection of conditioning equipment
		corus	
		Corus	

Hydraulies-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment	-	ordering numbers of filter type 130 a	and above are with feet:
			Hydraulics-directive for suppliers, erection companies, managers and users
			r art 4. Selection of conditioning equipment
corus		corus	

_	ordering numbers with KS have	ve slewing bolts with wing nuts for cover mounting; R1 42 01 04
		Hydraulics-directive for suppliers, erection companies, managers and users
		Part 4: Selection of conditioning equipment
	cor	
	COF	us

-	ordering numbers with DH have a co	over lift (type 2500 and above).
		Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
		rare it selection of conditioning equipment
	corus	
L		

Tabel 4.12		R1 42 01 04
	I	Hydraulics-directive for suppliers, erection companies, managers and users eart 4: Selection of conditioning equipmen
	P	art 4: Selection of conditioning equipmen
	corus	

Type filter (compleet)	Type element Q-max. Symbool PN Aansl R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
corus	

<u></u>	
	1/min. R1 42 01 04
	Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

DELD BN/HC331DAL10D1 V/V/D2 LE 0/ 20C OF	0330 R 010 BN3HC 125 1 25 SAE2"
RFLD BN/HC331DAL10D1.X/VD2 LE.0/-30C-OE	0330 R 010 BN3HC
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	companies, managers and users Part 4: Selection of conditioning equipment
	Ture in several or continuous of white
cor	
cor	us

RFLD BN/HC661DAS10D1.X/VD2 LE.0/-30C-OE 0	660 R 010 BN3HC 250 1 25 SAE/DIN80 R1 42 01 04
	K1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	Part 4: Selection of conditioning equipment
_	
corus	
colus	

RFLD BN/HC951DAT10D1.X/VD2 LE.0/-30C-OE	0950) R 010 BN3HC 400 1 25 SAE/DIN100
		R1 42 01 04
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		companies, managers and users Part 4: Selection of conditioning equipment
cort	•	
cort	JS	

RFLD BN/HC1300CAT10D1.X/VD2 LE.0/-30C-OE+KS	130	0 R 010 BN3HC 600 1 16 SAE/DIN100
IN ED BIVITETSOVETTI (ODIIAV VB2 BB.O) 300 OE AKO	130	R1 42 01 04
		Hydraulics-directive for suppliers, erection
		companies, managers and users
		companies, managers and users Part 4: Selection of conditioning equipment
		Tare it. Selection of conditioning equipment
cor		
cor	us	

П	RFLD BN/HC2500CAU10D1.X/VD2 LE.0/-30C-OE+KS+DH	0850) R 010 BN3HC 1000 1 16 DIN125
			R1 42 01 04
			Hydraulics-directive for suppliers, erection
			companies, managers and users Part 4: Selection of conditioning equipment
			Part 4: Selection of conditioning equipment
	cort	•	
	core	us	

RFLD BN/HC4020CAU10D1.X/VD2 LE.0/-30C-OE+KS+DH	1700 R 010 BN3HC 1600 1 16 DIN125
	1700 R 010 BN3HC 1600 1 16 DIN125 R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies managers and users
	companies, managers and users Part 4: Selection of conditioning equipment
	Fart 4. Selection of conditioning equipment
	'
coru	S

RFLD BN/HC5200CBW10D1.X/VD2	LE.0/-30C-OE+KS+DH* 130	0 R 010 BN3HC 2400 1 16 DIN200
	•	R1 42 01 04
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 4: Selection of conditioning equipment
		Part 4: Selection of conditioning equipment
	corus	
	20.43	

RFL BN/HC661 DQ 10D1.X/VD 2 LE.0/-30C-OE 06	60 R 010 BN3HC 250 2 25 DIN80 R1 42 01 04
	Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	Part 4: Selection of conditioning equipment
corus	

DEL DIVIGOST DO TODA AND STE OF SOCIOE	D D 010 DN/2HC 400 2 25 DD 100
RFL BN/HC851 DQ 10D1.X/VD 2 LE.0/-30C-OE 085	R 010 BN3HC 400 2 25 DIN80 R1 42 01 04
	Hydraulies directive for suppliers erection
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	Part 4: Selection of conditioning equipment
corus	
corus	

RFL BN/HC1300CR10D1.X/VD 2 LE.0/-30C-OE+KS 130	R 010 BN3HC 600 2 16 DIN100 R1 42 01 04
	K1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	companies, managers and users Part 4: Selection of conditioning equipment
corus	

RFL BN/HC1320CR10D1.X/VD 2 LE.0/-30C-OE+KS 260	R 010 BN3HC 1000 2 16 DIN100 R1 42 01 04
	K1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	Part 4. Selection of conditioning equipment
	1 art 1. Selection of conditioning equipment
corus	

RFL BN/HC2520CU10D1.X/VD 2 LE.0/-30C-OE+KS+DH	1700 R 010 BN3HC 1600 2 16 DIN125 R1 42 01 04
	R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	Part 4: Selection of conditioning equipment
corus	
corus	;

RFL BN/HC5200CW10D1.X/VD 2 LE.0/-30C-OE+KS+DH 130	00 R 010 BN3HC 2400 2 16 DIN200
100	R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 4: Selection of conditioning equipment
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corus	
corus	

RDE INSURCINI DAT. 1009) N.VR 2.11-10-20C-OFF R 1 42 OT 0.4 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment	DDE DAVIGO221 DAT 10D1 WARD 21 F 0/ 20C OF	022	D 010 DV2HG 125 2 25 GAF2"
Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment	RDF BN/HC331 DAL 10D1.X/VR 2 LE.0/-30C-OE	0330	0 R 010 BN3HC 125 3 25 SAE2" R 1 42 01 04
companies, managers and users Part 4: Selection of conditioning equipment			
			11yuraunics-unecuve for suppliers, election
			companies, managers and users
			Part 4: Selection of conditioning equipment
corus			
		corus	

RDF BN/HC661 DAN 10D1.X/VR 2 LE.0/-30C-OE 066	0 R 010 BN3HC 250 3 25 SAE3"
RDF BIVITCOOT DAIN TODI.A/ VR 2 LE.0/-50C-OE	0 R 010 BN3HC 250 3 25 SAE3" R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Deat A. Calastica of an alticular accommunity
	Part 4: Selection of conditioning equipment
corus	

RDF BN/HC951 DAO 10D1.X/VR 2 LE.0/-30C-OE 095	R 010 BN3HC 400 3 25 SAE3½" R1 42 01 04
	K1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	Part 4: Selection of conditioning equipment
corus	
corus	

RDF BN/HC1301 DAP 10D1.X/VR 2 LE.0/-30C-OE 13	00 R 010 BN3HC 600 3 25 SAE4"
1	R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 4: Selection of conditioning equipment
corus	
corus	

RF BN/HC 330DL10D1.X/VR 2 LE.0/-30C-OE 0	330 R 010 BN3HC 125 4 25 SAE2" R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
corus	

DE DAVIJO (CODALIONI VAID 2 LE 0/ 200 OF	OCCO D 010 DN2HC 250 4 25 C4 F2"
RF BN/HC 660DN10D1.X/VR 2 LE.0/-30C-OE	0660 R 010 BN3HC 250 4 25 SAE3" R1 42 01 04
	NI 42 UI U4
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	companies, managers and users Part 4: Selection of conditioning equipment
corus	
	1

	<u> </u>
RF BN/HC 950DO10D1.X/VR 2 LE.0/-30C-OE 099	R 010 BN3HC 400 4 25 SAE3½" R1 42 01 04
	KI 42 UI U4 Hydraulian directive for suppliers areation
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	Part 4: Selection of conditioning equipment
corus	

DE DAVIS 1000 DE VIEN A LE OLOGO DE	D OLO DIVAVO
RF BN/HC 1300DP10D1.X/VR 2 LE.0/-30C-OE 130	R 010 BN3HC 600 4 25 SAE4" R1 42 01 04
	NI 42 UI U4
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	companies, managers and users Part 4: Selection of conditioning equipment
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corus	
COTIC	
Corus	

	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

*this filter has no ball valve, but a segment valve.	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Manufacturer EPE		R1 42 01 04
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 4: Selection of conditioning equipmen
		Part 4: Selection of conditioning equipmen
	corus	
	corus	

Bypass:	$\Delta p > 2.0$ bar	R1 42 (Hydraulics-directive fo companies, mana	r suppliers, erection
		Part 4: Selection of con	ditioning equipment
		corus	

Indicating:	$\Delta p > 1,5$ bar	Hydraulics-directive companies, ma	2 01 04 for suppliers, erection nagers and users onditioning equipment
		D orus	
	C(JI US	

Tolerance for both: 5%	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

The filters are provided with:	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

- venting screws at the covers of all inline filter	Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

- the housing of all inline filters with a drain wi	plug (bottom side). R1 42 01 04
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
corus	

- counter flanges for the ports (FG);	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	Tare it solection of conditioning equipment
corus	

pressure leveling for all double filters (A);	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipmen
	Tare it. Selection of conditioning equipment
_	
corus	

hoovy duty type enticel/electrical also	in director with make and break assets of (11-1
h neavy duty type optical/electrical clogging	indicator with make and break contact (so called R1 42 01 04
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
	Tare 1. Selection of conditioning equipment
core	
cort	us

Schule ausf.) (Y);	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users
	companies, managers and users Part 4: Selection of conditioning equipment
corus	

- slewing bolts with wing nuts for cover mounting;	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	rare it selection of conditioning equipment
corus	

+ feet for the single and double inline filters, type	s typen 1801, 2201, 3201 and 7201 (partly EPE R1 42 01 04
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
corus	

standard):	
standard);	R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
corus	
corus	

- so called linear design for double filters, types 2	201 and 7201; which means separating valves
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
corus	

	<u> </u>
and check valves between the housings;	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

cover lift for single and double filters, types	2201, 3201 and 7201. R1 42 01 04
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
corus	



Note: for water glycol or HWBF media, housing an	nd element are to be ordered with 'chemical
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	Tare it selection of containing equipment
corus	

nickle plated' and 'synthetic shells at the switch over	er valves'.
, , , , , , , , , , , , , , , , , , , ,	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	Part 4: Selection of conditioning equipment
corus	

	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	



Scheme 4.13	
Scheme 4.15	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	Part 4: Selection of conditioning equipment
coru	s



Type filter (complete)	Type ele	ment	Q-	Symbol PN DN EPE
			raulics-c	lirective for suppliers, erection
		Part	compa: 4: Select	nies, managers and users tion of conditioning equipment
				S. J. I
	corus			

		-				
			n	nax.	D1 42 01 04	draw
<u> </u>			Hydrai	ılics-d	R1 42 01 04 irective for supp	
			C	ompar	nies, managers a	nd users
			Part 4:	Select	nies, managers as	ing equipment
		corus				
	_	. J. U.3				

	1/min. R1 42 01 04
	Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

25D361H10SL-A00-14X-N0P0AEJ SO 1.30	Hydraulics-directive for suppliers, e companies, managers and use Part 4: Selection of conditioning equ	13907-4 erection rs
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25D561H10SL-A00-14X-N0P0AEJ SO	1.561H10SL	-A00-0-P	250	R1 ¹ 42 01 0 ² 5	80	13908-4			
		Hydraulics-directive for suppliers, erection							
			compai	nies, managers a tion of condition	nd user	S			
		rait	4. 501001	tion of condition	ing equ	ipinent			
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	25D901H10SL-A00-14X-N0P0AEJ SO	1.901H10SL	A00-0-P	400	R1 ¹ 42 01	025	80	13909-4
		ı	Нус	draulics-c	directive for	supp	liers, e	rection
			Dont	compa	nies, manag	ers ar	nd user	'S
			Part	4: Selec	tion of cond	ıtıonı	ng equ	npment
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25D1801H10SL-A00-14X-N0P0AEJX SO	1.1801H10SL	-A00-0-P	600	R1 ¹ 42 01	025	100	13910-4		
		Hydraulics-directive for suppliers, erection							
		companies, managers and users Part 4: Selection of conditioning equipment							
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	corus								
	corus								

	16D2201H10SL-A00-14X-K0P0AEMJ SO	1.561H10SL		1000	R1 ¹ 42 01	046	125	13911-4
			Нус	draulics-c	directive for	supp	liers, e	rection
				compa	nies, manag	ers ai	nd user	S
			Part	4: Selec	tion of cond	ıtıonı	ng equ	upment
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16D2201/3201H10SL-A00-14X-	1.901H10SL	A00-0-P	1600	74147 04 016	125	13912-4		
1002201/0201111002 1100-17/1-	1.701111USL			$R1^{1}42\ 01\ 04^{4}$	123			
		Нус	draulics-c	directive for sup	pliers, e	rection		
		companies, managers and users						
		Part 4: Selection of conditioning equipment						
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R 1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment	K0P0AEMJ SO							
Hydraulies-directive for suppliers, crection companies, managers and users Part 4: Selection of conditioning equipment	KOFOALINI SO		R1 42 01 04					
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Part 4: Selection of conditioning equipment			companies, managers and users					
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16D7201H10SL-A00-14X-K0P0AEMJ SO	1.1801H10SL	-A00-0-P	2400	R1 ¹ 42 01	01/6	200	13913-4A	
		Нус	lraulics-d	irective for	supp	liers, e	rection	
		companies, managers and users Part 4: Selection of conditioning equipment						
		Part 4: Selection of conditioning equipment						
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25L361H10SL-A00-14X-N0P0EJ SO	1.361H10SL-		125	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	50 13914-4				
		Hydraulics-directive for suppliers, erection companies, managers and users							
		Part 4: Selection of conditioning equipment							
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25L561H10SL-A00-14X-N0P0EJ SO	1.561H10SL	-A00-0-P	250	R1 ² 42 01	024	80	13915-4			
		Hydraulics-directive for suppliers, erection								
		Part	compar 4: Select	nies, manage tion of condi	ers ar itioni	id user ng equ	s ipment			
	corus									
	corus									

25L901H10SL-A00-14X-N0P0EJ SO	1.901H10SL		400	$R1^242\ 01\ 0^{25}$	80	13916-4
		Hyd	lraulics-o	directive for supp nies, managers a	oliers, e nd user	rection
		Part	4: Selec	tion of condition	ing egu	s ipment
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	1					1		
25L801H10SL-A00-14X-N0P0EJ SO	1.1801H10SL	-A00-0-P	600	$R1^242\ 01\ 0^{25}$	100	13917-4		
<u>.</u>		Нус	lraulics-d	lirective for supp	oliers, e	rection		
		companies, managers and users Part 4: Selection of conditioning equipment						
		Part 4: Selection of conditioning equipment						
	corus							
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		I					
16L2201H10SL-A00-14X-K0P0EJM SO	1.561H10SL	A00-0-P	1000	R1 ² 42 01	01/6	125	13918-4
		Hyc	lraulics-c	lirective for	supp	liers, e	rection
			compa	nies, manag	ers aı	nd user	S
		Part	4: Selec	tion of cond	itioni	ing equ	ipment
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16L3201H10SL-A00-14X-K0P0EJM SO	1.901H10SL	
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 4: Selection of conditioning equipment
		1 art 4. Selection of conditioning equipment
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	16L7201H10SL-A00-14X-K0P0EJM SO	1.1801H10SL	-A00-0-P	2400	R1 ² 42 01	046	200	13920-4
			Нус	lraulics-d	lirective for	supp]	liers, e	rection
			companies, managers and users Part 4: Selection of conditioning equipment					
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16DR361H10SL-A00-14X-C0P0AJ SO	1.361H10SL	A00-0-P	125	R1 ³ 42 01	016	50/R2"	13921-4
		Hva	draulics-d	lirective for	supn	liers. er	ection
) -	compa	nies, manage	ers ai	nd users	,
		Part	4: Select	nies, manage tion of condi	tioni	ing equi	pment
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16DR561H10SL-A00-14X-C0P0AJ SO	1.561H10SL	A00-0-P	250	R1 ³ 42 01	01/26	80/R3"	13922-4
		Нус	lraulics-c	lirective for	supp	liers, ei	rection
			compa	nies, manag	ers a	nd user:	S
		Part	4: Select	tion of cond	ition	ing equ	ipment
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16DR901H10SL-A00-14X-C0P0AJ SO	1.901H10SL	
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 4: Selection of conditioning equipment
	corus	
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16DR1801H10SL-A00-14X-N0P0AJ SO	1.1801H10SL		600	R1 ³ 42 01	046	100	13924-4
		Hyd	lraulics-d	lirective for	supp	liers, e	rection
		companies, managers and users Part 4: Selection of conditioning equipment					
		Part	4: Select	tion of cond	ıtıonı	ng equ	ipment
	corus						

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16RL361H10SL-A00-14X-C0P0J SO	1.361H10SL		125	R1 ⁴ 42 01	0^{16}	50/R2"	13925-4
		Нус	draulies-c	lirective for	supp	liers, er	ection
			compa	nies, manago tion of cond	ers a	nd users	
		Part	4: Select	tion of cond	itioni	ing equi	pment
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	corus						

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16RL561H10SL-A00-14X-C0P0J SO	1.561H10SL	A00-0-P	250	R1 ⁴ 42 01	01/6	80/R3"	13926-4
		Hyc	lraulics-c	lirective for	supp	liers, ei	rection
			compa	nies, manag	ers a	nd users	S
		Part	4: Select	tion of cond	ition	ing equ	ipment
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16RL901H10SL-A00-14X-C0P0J SO	1.901H10SL-	-A00-0-P	400	R1 ⁴ 42 01 (014 80/R3" 13923	7-4
		Нус	lraulics-d	lirective for s	uppliers, erectio	n
		Part	4: Select	nies, manage tion of condit	rs and users ioning equipme	nt
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_	corus					
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16RL1801H10SL-A00-14X-N0P0J SO	1.1801H10SL	-A00-0-P	600	R1 ⁴ 42 01	046	100	13928-4
		Нус	draulics-c	lirective for	supp	liers, e	rection
		D (compa	nies, manag	ers ar	nd user	S
		Part	4: Select	tion of cond	ıtıonı	ng equ	ipment
	corus						

	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	



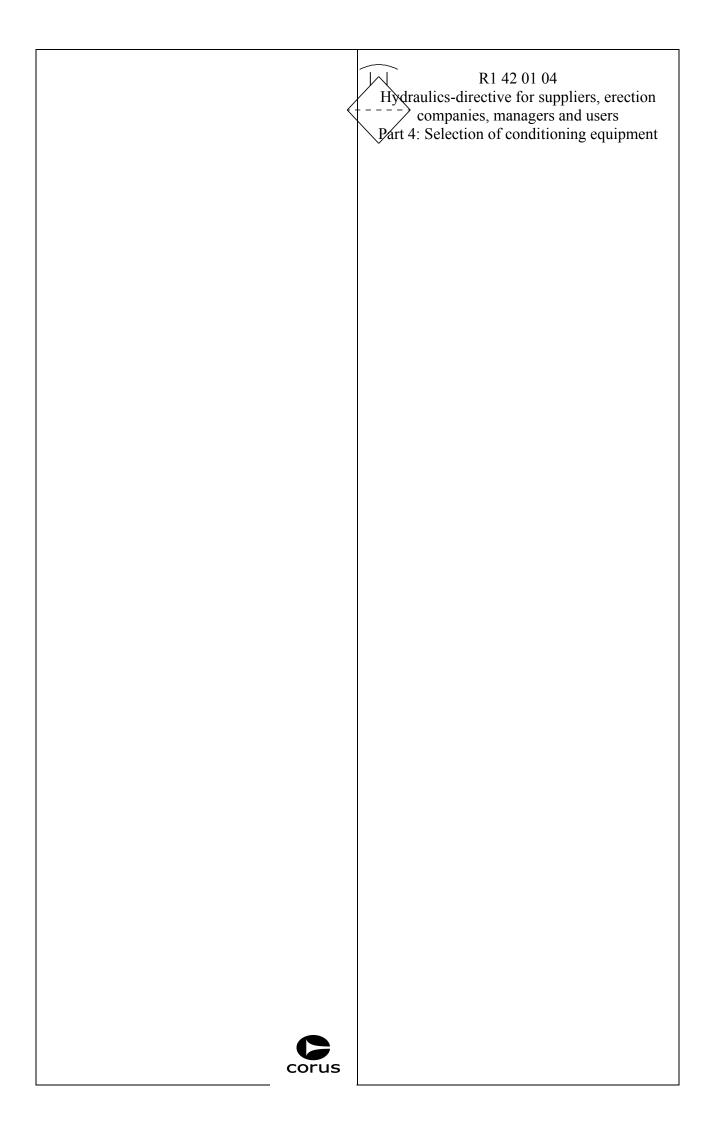
Ţ.		
4.4.	Breathers for tanks and accessories	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users
		Part 4: Selection of conditioning equipment
	corus	

Se	ee for criteria Technical Dire	ective R1 42	01 02, paragraph 2.5 Ř1 42 01 04
			Hydraulics-directive for suppliers, erection
			companies, managers and users Part 4: Selection of conditioning equipment
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		L	

Breathers combined with filler caps only	or small systems of minor importance.
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
corus	
corus	

4.4.1. Breather/filler cap	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	Part 4: Selection of conditioning equipment
corus	

Figure 4.4	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Filterrating 10 - 15 μ.	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Only for small systems of secondary impo	rtance. R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	



Manufacturer UCC	
Manufacturer OCC	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	r art 4. Selection of conditioning equipment
core	us

Type: UC-AB-1163-10.	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Other makes are allowed if equal and inter	rchangeable. R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 4: Selection of conditioning equipment
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4.4.2. Breather	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Figure 4.5	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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	D1 42 01 04
	R1 42 01 04
<u> </u>	- Hydraulics-directive for suppliers, erection
	companies, managers and users
	companies, managers and users Part 4: Selection of conditioning equipment
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corus	



Filterrating 1	
Filterrating 1 μ.	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
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Manufacturer Pall	Hydac P1 42 01 04
	K 1 42 01 04
	Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	Part 4: Selection of conditioning equipment
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TI 1105500 0110 1110	0100 144 000 704
Type: HC7500-SKS-4HB	0180 MA 003 BN R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users
	Part 4: Selection of conditioning equipment
CO	orus

	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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Filterrating: 3 μ	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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R1 42 01 04 Hydraulies-directive for suppliers, crection companies, managers and users Part 4: Selection of conditioning equipment	Manufacturer: Pall	Hydac B1 42 01 04
companies, managers and users Part 4: Selection of conditioning equipment		K1 42 01 04
		companies, managers and users
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ı	Co	orus

Type: HC 0293 SEE 5	0160 MA 010 BN R1 42 01 04
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
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C	orus

Maria Large (State 1)	
Material: plastic (Polyamide)	R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	Part 4. Selection of conditioning equipment
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corus	

Indicator: HC 0293 D004.	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
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	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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4.2 45. 4	
4.4.3. Air dryer	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	Part 4: Selection of conditioning equipment
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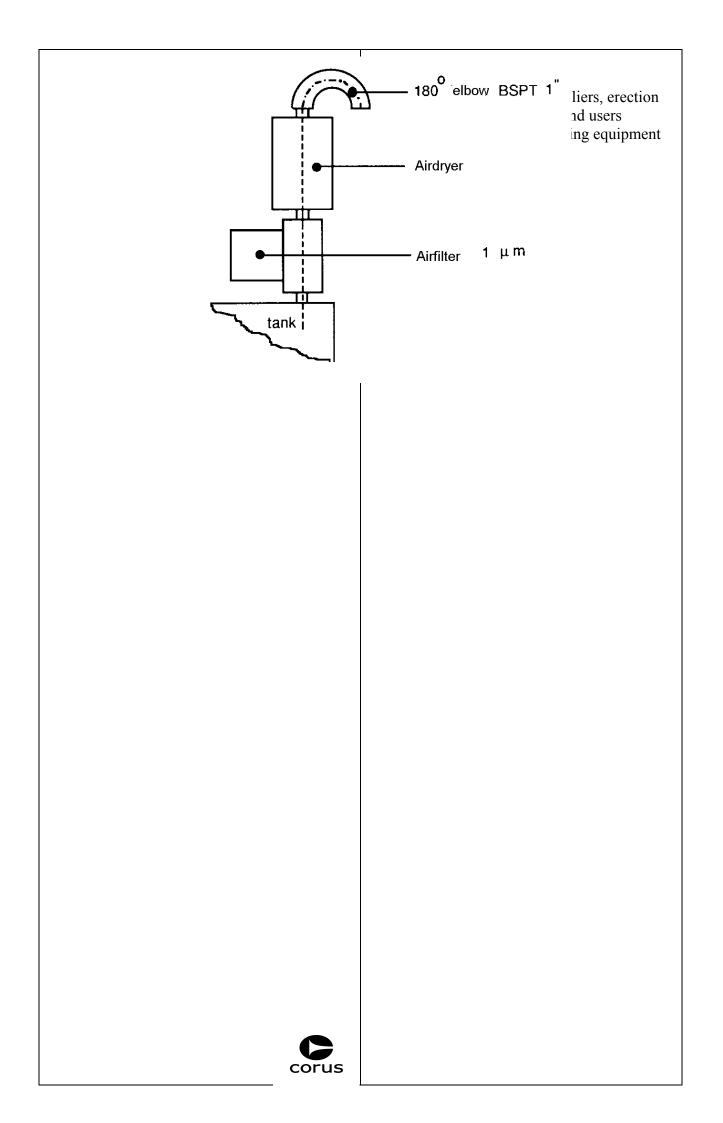
In a humid environment an air dryer is to	be installed (always combined with a breather). R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
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A filler cap on the tank is in this case absolutely not allowed. Breather between tank and R1 42 01 04	
Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment	
1 art 4. Selection of conditioning equipment	
corus	

dryer (not vice versa).	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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Figure 4.6	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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Manufacturer: Silica Gel	
ivianuiaciulei. Sinca Gei	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
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Type: 428/145 DTR-CP	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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Compostion 2 - DCDT 1	
Connection:2 x BSPT 1" external.	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
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To combine with filter.	
To combine with filter:	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
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Manufacturer: Pall	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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Type: HH 7500-C16-KS-RWB (element I	IC 7500 SKS-4H) R1 42 01 04
	Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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Connection: 2 x BSP 1" internal.	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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Manufacturer: DES-CASE	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
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Type: DC4	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
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0 1 1 5/1 (1)	
Connection: 1 5/16" external	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
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corus	

No. 1 1 1 1	
Material: plastic	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
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Adapter: DC10 1 x NPT 1" external.	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
corus	

This type is inclusive 3 μ airfilter.	
This type is inclusive 3 μ annucl.	R1 42 01 04
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
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Corus	

Before commissioning, the silica	gel cartridge holes must be made free for air flow!
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
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CO	orus

	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	



1.5.	Coolers and accessories	R1 42 01 04
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 4: Selection of conditioning equipmen
		Part 4: Selection of conditioning equipmen
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	CO	rus

Coolers will be used for the temperature c	ontrol, plate coolers are preferred. For
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
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prescriptions see Technical Directive R1 4	2 01 02, paragraph 2.6.
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
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4.5.1. Watercoolers	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Manufacturer: Alfa-Laval	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

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Types: M6-MFM	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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coru	IS

	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

This cooler type has many variations	by means of the number of plates in use. R1 42 01 04
	Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	rart 4. Selection of conditioning equipment
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	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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Company of the control of	
General specifications of the coolers	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
corus	

	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Material of the various parts:	D1 42 01 04
	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
corus	

* cooling plates of titanium R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipments R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipments	
companies, managers and users	
corus	

* frame plate, pressure	plate and tension rods of steel R1 42 01 04
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
	corus
	corus

* seals of NBR with clip-on moun	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	Part 4: Selection of conditioning equipment
corus	

 Maximum working pressure 10 bar 	R1 42 01 04
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
corus	
corus	

– Test pressure 13 bar	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	rait 4. Selection of conditioning equipment
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 Connections type M6 flange DN 50 DI 	N 2501 with rubber lining
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
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corus	

Mounting of tie rods on required len	ngthsize A of the plate package,
	Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	5

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A = 3.5 x n (n = number of plates)	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
corus	

a max. temperature of 25 °C R1 42 01 04
Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment

- Q water = $\frac{1}{2}$. Q oil	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
corus	

 Counterflow will be used 	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
corus	

- Oil flow from S1 to S2	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
corus	
Corus	

- Water flow from S3 to S4.	
- Water flow from 55 to 54.	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
corus	



	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Oudaning consists of 1	
Ordering specifications of the coolers	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
corus	
corus	

Scheme 4.14	
Scheme 4.14	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	Part 4: Selection of conditioning equipment
corus	

Hydraulics-directive for suppliers, erecti companies, managers and users	Q oil L/min	Ordering specification
companies, managers and users	Q on L/min	
Part 4: Selection of conditioning equipment of the selection of the selection of conditioning equipment of the selection of conditioning equipment of the selection of the selection of conditioning equipment of the selection of conditioning equipment of the selection of the selectio		companies, managers and users
		Part 4: Selection of conditioning equipment
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corus	cor	us

Hydraulies-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment	100		M6-MFM-DIN-SPOOL/Ti-0 5/NBR-C/12M
companies, managers and users Part 4: Selection of conditioning equipment	100		M6-MFM-DIN-SPOOL/Ti-0,5/NBR-C/12M R1 42 01 04
			Hydraulics-directive for suppliers, erection companies, managers and users
corus			Part 4: Selection of conditioning equipment
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	T	
200		M6-MFM-DIN-SPOOL/Ti-0.5/NBR-C/20M R1 42 01 04
		Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	corus	

300	M6-MFM-DIN-SPOOL/Ti-0.5/NBR-C/30M R1 42 01 04
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
	corus
	Coi us

400		M6-MFM-DIN-SPOOL/Ti-0.5/NBR-C/40M R1 42 01 04
		Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	corus	

500	M6-MFM-DIN-SPOOL/Ti-0.5/NBR-C/50M R1 42 01 04
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
	corus

600	M6-MFM-DIN-SPOOL/Ti-0.5/NBR-C/60M R1 42 01 04	
	Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipme	
	corus	

	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Specific cooley data	
Specific cooler data	R1 42 01 04
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
corus	;

Schomo 4.15	
Scheme 4.15	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users
	companies, managers and users Part 4: Selection of conditioning equipment
corus	

Quantity	Unit	Cogler _{42 01 04}			
		Hydraulics-directive for suppliers, erection			
		companies, managers and users			
		Part 4: Selection of conditioning equipment			
	corus				
	corus				

Q-oil	l/min 100	200 300 400 500 600 R1 42 01 04 Hydraulics-directive for suppliers, erection
		companies, managers and users Part 4: Selection of conditioning equipment
	corus	

	1 1					
Q-water	1/min 50	100 150 200 250 300 R1 42 01 04				
		Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment				
	corus					

Cooling capacity	KW 17	34 51 68 85 103 R1 42 01 04			
		Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment			
	corus				

		Г					
Pressure dropoil	bar	0,4	0,5	0,5	0,6 R1 42 01 0	0,6	0,6
			C	ılics-dire ompanie	ective for su s, manager n of conditi	appliers, ea	S
		orus					
		rus					

Pressur	e dropwater	bar	0,1	0,1	0,1	0.1	0,1	0,1
riessul	c aropwater	vai	0,1			0,1 R1 42 01 0	4	
				Hyara	aunes-anc companie	ective for su es, managers	ippliers, ei	rection s
				Part 4	: Selectio	n of condition	oning equ	ipment
			corus					

Cooling surface	m^2 1,4	10	2,52	3,36	5,32 R1 42 01 (6,72	8,12
			Hydraulics-directive for suppliers, erection				
			TTyuru (companies	s, managei	s and users	5
			Part 4:	Selection	of condit	ioning equi	pment
							-
	_						
	cor						
	cor	us					

Number of plates	stuks 12	20 30 R1 40 50 60		
		Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment		
	corus			



Coolers dimensions	
Coolers almensions	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
cort	
cort	ıs

See documentation of the manufacturer.	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
corus	

	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	



4.5.2. Cooling water regulators	R1 42 01 04
	Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	Part 4: Selection of conditioning equipmen
cor	rus

	
Manufacturer: Herion, PN 10	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

	
Temperature range: +20 °C tot +60 °C	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	
corus	

	1
Immersion tube: R ½", type 0574758.	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Schomo 4 16	
Scheme 4.16	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	Part 4: Selection of conditioning equipment
corus	
Colus	

		1
Type	Connection R'	Building length pan 104Q water L/min*)
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 4: Selection of conditioning equipment
		1 art 4. Selection of conditioning equipment
	corus	
	Corus	

01774-00	1/2"	55 R1 42 01 04 25	
		Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment	
	corus		

01780-00	1 !!	05	150
01/00-00	1"	95 R1 42 01 04	
		Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment	
		r art 4. Selection of conditioning equipment	
	corus		
	corus		

01781-00	1 1/4"	132 R1 42 01 04 350
		Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
		rart 4. Selection of conditioning equipment
	corus	
	corus	

01792.0	no	211		160	400
01783-0	JU _	2"		160 R1 42 01	04 600
			Hydraulics.	-directive for s panies, manage	suppliers, erection
			Part 4: Sele	ection of condit	tioning equipment
		_			
		corus			
		corus			

	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Manufacturer: Danfosss, PN 10	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	
corus	

	
Temperature range: +25 °C tot +65 °C	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	
corus	

R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment

Scheme 4.17	
Scheme 4.17	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users
	companies, managers and users Part 4: Selection of conditioning equipment
corus	

		1
Type	Connection R'	Building length pan 104Q water L/min*)
		Hydraulics-directive for suppliers, erection
		companies, managers and users Part 4: Selection of conditioning equipment
		1 art 4. Selection of conditioning equipment
	corus	
	Corus	

ſ	AVTA15-3N2162	1/2"	ı	72	25
_	AV 1A13-31N2102	1/2"		72 R1 42 0	1 04
			Hydrau	ulics-directive for	r suppliers, erection
			Part 1.	companies, manag	gers and users ditioning equipment
			I art 7.	Selection of cond	antioning equipment
		corus			

AVTA20-3N2162	3/4"	90 P.1 42 01	50
		Hydraulies directive for	
		Hydraulics-directive for	suppliers, erection
		companies, manag	ers and users
		Part 4: Selection of cond	moning equipment
	corus		

AVTA25-3N2162	1"	95 R1 42 01	70
		Hydraulics-directive for	
		companies, manag	ers and users
		Part 4: Selection of cond	litioning equipment
		Tart 1. Selection of conc	attoming equipment
	corus		
	corus		



*) Estimated value with Q water (= 0,5 Q	oil) and Δ P water 2 bar Ω_{100}
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
corus	
corus	

	TT7 /		
4.5.3.	Water consumption meters		R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users
			Part 4: Selection of conditioning equipment
		corus	

Manufacturer: Pollux	
Manaracturer: 1 offax	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	corus

Working pressure: PN 16	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

M . 1.D	
Measuringwork: Dry running device	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	1 art 4. Selection of conditioning equipment
corus	

Cahama 4 19	
Scheme 4.18	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Γ	Q-Nom. U min	Connection. BSP	xt. L.	Total mm _{42 01 04}	Туре
<u> </u>	Z Trom. O min	Commercial Bot	Hydrauli	cs-directive for suppl	
			cor	npanies, managers an	d users
			Part 4: Se	election of conditioning	ng equipment
		corus			

	I	1	
45	3/4"	288 R1 42	M Qn 1,5 (XTU)
		Hydraulics-directive f companies, man Part 4: Selection of co	For suppliers, erection agers and users
	corus		

60	1"	R1 42 01 04 M Qn 2,5 (XTU)
		Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	corus	

	Г	
100	1 1/4"	378 N Qn 6 (XTU)
		Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	corus	

170	1 1/2"	438 R1 42 01	M Qn 10 (XTU)
		Hydraulics-directive for	
		companies, manag	ers and users
		Part 4: Selection of cond	itioning equipment
	corus		
	corus		

For dimensions see the documentation of	the manufacturer
	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	Fart 4. Selection of conditioning equipment
corus	

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	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Note: These meters may be mounted exc	usively horizontal . R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	Turt 4. Selection of conditioning equipment
corus	

	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Cooling water valves and filters: see Technical Directive R1 42 01 08 R1 42 01 04		
	Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment	
	rant 4. Selection of conditioning equipment	
corus		

paragraph 8.7.	
paragraph 6.7.	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
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corus	5



4.5.4. Electrically operated 2/2-valve (water)	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
corus	
corus	

R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment

m 07.000	
Type: 85.000	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	Tart 4. Selection of conditioning equipment
C	corus

1	
Material: Messing + NBR	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Voltage: 110 V 50 HZ/picker DIN 43650	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Position: normal closed	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	

Attention! Destifier in plus	
Attention! Rectifier in plug.	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
corus	
Colus	

Scheme 4.19	
Scheme 4.19	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
corus	
corus	

C : DCD	
Connection BSP	Length R1 42 0 Ordering number
	Hydraulics-directive for suppliers, erection companies, managers and users
	Part 4: Selection of conditioning equipment
	Ture in server or conditioning equipment
coru	;
coru	s

1	G 1/2"		67 <u>85.002.00.8304 110V-50 Hz</u>
	U 1/2		R1 42 01 04
			Hydraulics-directive for suppliers, erection companies, managers and users
			companies, managers and users Part 4: Selection of conditioning equipment
		corus	

-			
	G 1"		95 85.004.00.8404 110V-50 Hz R1 42 01 04
			Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
		corus	

G 1 1/2"		132 85.006.00.8304 110V-50 Hz R1 42 01 04
		Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	corus	

G 2"	160 85.007.00.8304 110V-50 Hz R1 42 01 04
	K1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	Part 4: Selection of conditioning equipment
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corus	

155 Tampayatuya switch	
4.5.5. Temperature switch	R1 42 01 04 Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
core	us

Manufact 1, 7, 1	1. 1 Direction D1 42 01 07
Manufacture and type number: see Techn	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
	1 art 4. Selection of conditioning equipment
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	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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	D. C.	
4.6.	References	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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In this Technical Directive reference is ma	ride to R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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DIN	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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	companies, managers and users Part 4: Selection of conditioning equipment
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	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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ISO 4400	
ISO 4400	R1 42 01 04
	Hydraulics-directive for suppliers, erection companies, managers and users
	companies, managers and users Part 4: Selection of conditioning equipment
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	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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Technical Directives	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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R1 42 01 02	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	rare is detection of containing equipment
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	1
R1 42 01 07	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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R1 42 01 08	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
	Part 4: Selection of conditioning equipment
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D1 42 01 00	
R1 42 01 09	R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipment
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	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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4.7. Explanation	R1 42 01 04
	Hydraulics-directive for suppliers, erection
	companies, managers and users Part 4: Selection of conditioning equipmen
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	companies, managers and users Part 4: Selection of conditioning equipment
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Version 2.0.	
Version 2.0:	R1 42 01 04 Hydraulics-directive for suppliers, erection companies, managers and users Part 4: Selection of conditioning equipment
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