



R1 42 01 10 Technical Directive

Hydraulics-directive for suppliers, erection
companies, managers and users
Part 10: Appendix

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10.1. Drawings for E-cabinets for proportional amplifier cards

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For the older design proportional valves with amplifier card VT3006:
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For 2 or 3 Valves 684.594

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For 1 Valve

684.595

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For the newer design proportional valves with amplifier card VT-VSPA2-50-1.X/T5:
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For 2 or 3 Valves A85.118

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For 1 Valve

A85.117

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Casing can be ordered by Scholten Panelen, Loenen.

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967.196 R1 42 01 10
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Flanges

PN 250

697.575

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Flanges

PN 16

697.576

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Welding parts

PN 250

697.577

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Welding parts

PN 16

697.578

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Power (kW)

Height

Manufacture Siemens

Manufacture ABB

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1.5

100L

1LA6 106-6AA 66

M2AA 100L6B35

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112M

1LA6 113-6AA 66

M2AA112M6 B35

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132M

1LA6 134-6AA 66

M2AA132MB6 B35

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160M

1LA6 163-6AA 66

M2AA160M6 B35

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18.5

200L/ML

1LG4 206-6AA 66

M3BP200MLA6 B35

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280M/SM

1LG4 283-6AA 66

M3BP280SMB6 B35
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315M/SM

1LG4 313-6AA 66

M3BP315SMB6 B35

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315L/SM

1LG4 316-6AA 66 | M3BP315SMC6 B35
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315L/ML

1LG4 317-6AA 66

M3BP315MLA6 B35

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315L/LK

1LG4 318-6AA 66

M3BP315LKA6 B35

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Power (kW)	Height	Manufacture Siemens	Manufacture ABB
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1.5

100L

1LA6 106-6AA 60

M2AA 100L6 B3

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112M

1LA6 113-6AA 60

M2AA112M6 B3

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1LA6 133-6AA 60 | M2AA132MA6 B3
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132M

1LA6 134-6AA 60

M2AA132MB6 B3

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160M

1LA6 163-6AA 60

M2AA160M6 B3

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160L

1LA6 166-6AA 60

M2AA160L6 B3

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180L

1LG4 186-6AA 60

M3BP180L6 B3

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200L/ML

1LG4 206-6AA 60

M3BP200MLA6 B3

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280S/SM

1LG4 280-6AA 60

M3BP280SMA6 B3

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315S/SM

1LG4 310-6AA 60

M3BP315SMA6 B3

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315L/SM

1LG4 316-6AA 60

M3BP315SMC6 B3

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315L/ML

1LG4 317-6AA 60

M3BP315MLA6 B3

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315L/LK

1LG4 318-6AA 60

M3BP315LKA6 B3

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Power (kW)	Height	Manufacture Siemens	Manufacture ABB
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100L

1LA6 106-4AA 66

M2AA100LA4 B35

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100L

1LA6 107-4AA 66

M2AA100LB4 B35

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132S

1LA6 130-4AA 66

M2AA132S4 B35

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1LA6 133-4AA 66

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160L

1LA6 166-4AA 66

M2AA160L4 B35

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180M

1LG4 183-4AA 66

M3BP180M4 B35

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280S/SM

1LG4 280-4AA 66

M3BP280SMA4 B35

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280M/SM

1LG4 283-4AA 66

M3BP280SMB4 B35

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315S/SM

1LG4 310-4AA 66

M3BP315SMA4 B35

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315M/SM

1LG4 313-4AA 66

M3BP315SMB4 B35

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315L/SM

1LG4 316-4AA 66

M3BP315SMC4 B35

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Power (kW)	Height	Manufacture Siemens	Manufacture ABB
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100L

1LA6 106-4AA 60

M2AA100LA4 B3

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100L

1LA6 107-4AA 60

M2AA100LB4 B3

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132S

1LA6 130-4AA 60

M2AA132S4 B3

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132M

1LA6 133-4AA 60

M2AA132M4 B3

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160M

1LA6 163-4AA 60

M2AA160M4 B3

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160L

1LA6 166-4AA 60

M2AA160L4 B3

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180M

1LG4 183-4AA 60

M3BP180M4 B3

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250M/SM

1LG4 253-4AA 60

M3BP250SMA4 B3

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280S/SM

1LG4 280-4AA 60

M3BP280SMA4 B3

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280M/SM

1LG4 283-4AA 60

M3BP280SMB4 B3

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315S/SM

1LG4 310-4AA 60

M3BP315SMA4 B3

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315M/SM

1LG4 313-4AA 60

M3BP315SMB4 B3

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315L/SM

1LG4 316-4AA 60

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42.00.00.002

Drawing requirements

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Requirements for design, assembly, supply and erection

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42.00.00.100

General requirements for energy conversion and storage (pumps and accumulators)

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42.00.00.200

General requirements for conditioning equipment (tanks, filters, coolers, etc.)

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42.00.00.210

Requirements for tanks and accessories

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Requirements for filter systems

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Requirements for coolers and accessories

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42.00.00.300

General requirements for energy control (valves, cocks)

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General requirements for energy use (cylinders, hydraulic motors)

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42.00.00.500

General requirements for instrumentation and safety equipment
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42.00.00.600

General requirements for energy distribution (piping, hoses, couplings, shut-off valves)

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Pipe compensators PN16

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Vibration dampers

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Axial piston pumps fixed displacement

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Axial piston pumps variable displacement

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Single vane pumps

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Double vane pumps

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Gear pumps

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Vane pumps variable displacement

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Screw spindle pumps

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Clamps for hydraulic piping

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Tanks 1.000 up to and including 10.000 litres

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Piping for hydraulics; nominal pressure PN250

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Welding sockets for hydraulics PN16

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42.00.01.215

Welding sockets for hydraulics PN250

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42.00.01.216

Welding sockets for hydraulics PN250

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42.00.01.217

Welding T-pieces for hydraulics PN16

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42.00.01.218

Standard series connection pumps PN16 with internal screw thread for hydraulics

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42.00.01.221

Standard series screw-in parts for hydraulics

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42.00.01.226

Connection elements with 24° taper for hydraulics R1 42 01 10

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Breathers

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42.00.01.232

Standard series welding and shut-off valves with 24° taper for hydraulics

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42.00.01.251

Standard series complete hoses for hydraulics

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42.00.01.254

Quick release couplings for hydraulics

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42.00.01.262

Standard series welding flanges PN10 and PN16

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42.00.01.266

Welding flanges for appendages PN25

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42.00.01.317

Directional control valve DN 6 (4/2)

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42.00.01.321

Directional control valve (seat valve) DN 6 (3/2)

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42.00.01.341

Proportional valves (directional) DN 10-52 (4/3)

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42.00.01.342

Proportional valves (pressure relief) DN 6-25

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Proportional valves (3-way reducing) DN 10-16

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42.00.01.363

Pressure control valves, hydraulically operated

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42.00.01.366

Pressure reducing valves

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42.00.01.367	Counter balance valves	R1 42 01 10
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Check valves

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42.00.01.377	Pilot operated check valves	R1 42 01 10
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Cartridge valves (2/2)

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42.00.01.381	Flow restrictor / check valve	modules
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42.00.01.384

Flow control valves

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42.00.01.386	Shuttle valves	R1 42 01 10
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Caps for hydraulic systems

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42.00.01.393

Needle valves for pressure measuring systems

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Cylinders PN160

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42.00.01.414	Cylinders PN250	R1 42 01 10
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Manometers for hydraulics

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Thermometers for hydraulics

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42.00.01.533

Temperature switches for hydraulics

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42.00.01.561	Water detector for hydraulics	R1 42 01 10
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42.00.80.01

General requirements for hydraulic installations

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42.00.80.510

Pressure measuring for hydraulics

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74.00.01.376

Ball valve PN 250, coupling with 24° taper

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74.00.01.812

Butterfly valve PN 10 (for oil)

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76.00.01.003

Seamless steel precision pipes (DIN 2445)

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76.00.01.004

Seamless steel precision pipes, dimensions and material

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76.00.01.006

Seamless steel precision pipes, pickled and phosphated, $\varnothing 48,3$ and larger

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76.00.01.013

Seamless stainless steel precision pipes

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76.00.01.157

Pipe clamps (heavy duty)

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76.00.01.161	Pipe clamps (light duty)	R1 42 01 10
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76.00.01.568

Steel couplings with 24° taper and butt, light duty

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76.00.01.569

Steel couplings with 24° taper and butt, heavy duty R1 42 01 10

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10.5. CAD Symbols library

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In our CAD-system the symbols and drawings according NEN 3348 (ISO 1219-1 en -2)
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are available.

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Corus records drawings made by the AutoCad system.

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Symbols and drawings are available on request and are without any costs, only in case the
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supplier have to make drawings for Corus Steel.

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For more information on compatibility with other CAD systems you can contact our CAD
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application manager, tel. +31 0251-4 93850.

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See also Technical Directive R1 05 80 02, Corus CAD-Drawingrules.
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10.6. References

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A85.117

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10.7. Explanation

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none.

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