RE 62340
Edition: 2025-10
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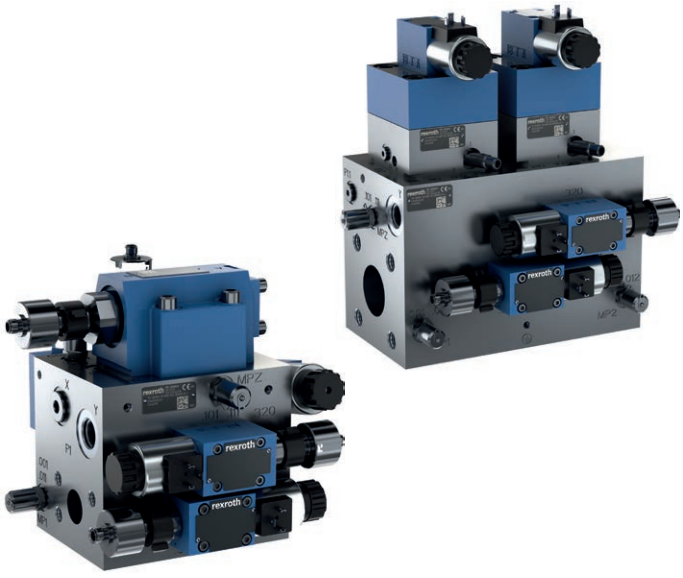
rexroth
A Bosch Company

STO manifold

Type STOM



- Size 20, 30, 32, 40
- Component series 1X
- Maximum working pressure 315 bar
- Maximum flow 1750 l/min

STOM

Features

- Hydraulic shut-off block
- For use as a shut-off function in hydraulic systems and power units (e.g. area shutdown)
- Two-channel, position-monitored blocking (STO from P1 to P2 up to category 4 PLe)
- Possibility of system compression and decompression (SDE) as well as safely reduced flow (SLS)
- Identical control concept across nominal sizes for simple machine integration
- Leakage-free blocking from P1 to P2
- Galvanized surface coating
- Validated according to ISO 13849 (DGUV certificate no. 250060)

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Ordering code

	01	02	03		04		05	06	07		08	09		10		11	12	13
STOM	**–**				**–**	**1X**	**/**	**G24**	**K4**	**K24**	**–**	**15**	**30**	**–**		**/**		**J50**	*****

01	Size 20	**20**
	Size 30	**30**
	Size 32	**32**
	Size 40	**40**

Scope of functions

02	STO function	**N**
	STO function including bypass (compression, safe decompression and safely reduced flow)	**B**

Control category

03	According to ISO 13849, category 4	**4E**
	According to ISO 13849, category 3 [1]	**3D**

04	Component series 10 ... 19 (10 ... 19: unchanged installation and connection dimensions)	**1X**

Electrical voltage

05	Direct voltage 24 V	**G24**

Electrical connection of valve solenoids

06	Connector 3-pole (2 + PE) according to EN 175301-803	**K4**

Electrical connection of position switch and sensor technology

07	Connector 4-pole, M12x1	**K24**

Compression volume nozzle fitting

08	M6x1 nozzle Ø1.5 mm [2]	**15**

Nozzle fitting for decompression flow rate

09	M6x1 nozzle Ø3.0 mm [2]	**30**

Measuring devices

10	Minimess couplings to MP1, MP2, MPZ and MX	**M**
	Minimess couplings to MP1, MPZ and MX, HM20 pressure sensor in MP2 [3, 4]	**20**

Seal material

11	NBR seals	**M**
	FKM seals	**V**

Coating of the drilled plate

12	Galvanic coating DIN EN ISO 19598 – Fe//Zn8//Cn//T0	**J50**

13	Further details in the plain text	

[1] Only in combination with feature set "B": STO function incl. bypass (compression, safe decompression and safely reduced flow)

[2] Nozzles are pre-assembled, even if selected: Scope of functions N

[3] Measurement range HM20 sensor up to 400 bar, signal output 4...20 mA

[4] Only in combination with control category 3D

Additional configurations available on request

Function

General
The shut-off blocks "STOM" are used for the safe blocking of a hydraulic system (port P2) from its pressure supply (port P1), e.g. for an area shutdown. They are suitable for new plants and for retrofitting in existing installations. The compact design minimises the space required. In addition, the main ports P1 and P2 are placed in the same axis, so that simple machine integration is ensured. The manifolds are optimized for energy-efficient flow due to their valve fitting and structural set-up. The blocks can be used with mineral oils as well as flame-resistant fluids. The surface galvanized from the outside ensures long-term corrosion protection. In addition to the shut-off function (STO), the functions "Compression", "Safe decompression" (SDE) and "Safely reduced flow" (SLS) can also be configured with bypass valves.

Set-up and function:
The shut-off function is realized by two seat valves arranged in series (main valves pos. .110 and .210 with pilot valves pos. .130 and .230). When one or both main valves are closed, the connection P1 to P2 is interrupted. The rest position/closed position of the main valves can be monitored by evaluating the limit switches (S11 and S21) of the main valves in a suitable electric control system. In addition, the electrical signals of the limit switches indicate the safe state of the consumer side. This corresponds to an "STO" safety function (Safe Torque Off) up to category 4/PLe in accordance with DIN EN ISO 13849. In sizes 20 and 30, pilot operated check valves (SL) are installed for the main stages. Actively controllable 2-way cartridge valves (LC2A) are used in sizes 32 and 40. Safe blocking in the opposite flow direction P2 to P1 is not possible.

Optionally, a STOM can be configured with a bypass function. This makes it possible to compress the downstream main line P2 before opening the main valves. As a result, switching shocks during opening of the main valves are reduced, which has a positive effect on noise development, pressure peaks and, consequently, the life cycle of the components used. The bypass function is designed in such a way that port P1 can be connected to port P2 via two on/off valves pos. .310 and .320 acting in series.

Both valves must be switched in order to allow pressure build-up in P2. The flow is limited through the nozzle pos. .311. Depending on the configuration, these valves can be monitored for their proper functioning either by evaluating integrated spool position monitoring (S31 and S32) or by evaluating the pressure sensor (S12) installed in port MP2. This ensures that the bypass valves are not only suitable for system compression, but can even be used for the safety function "Safely reduced flow" (SLS) up to category 4/PLe in accordance with EN ISO 13849. In addition to the compression function, the bypass valves also enable the safety function "Safe decompression" (SDE) up to category 4/PLe to DIN EN ISO 13849. As soon as the valves are no longer connected and are pushed back into their basic position by the spring return, the P2 line is two-channel unloaded via the bypass valves in the direction of drain port Y. The maximum decompression flow rate is determined by the nozzle .321. The decompression time depends on the prevailing pressure in the P2 channel and the compressed oil volume (pipe volume) in P2. The drain port Y shall be depressurized to the tank.

In order to make the manifolds and the safety functions robust against errors of common cause, the pilot and bypass valves are designed as diverse as possible (1 seat valve, 1 directional spool valve). The main stages are bored and constructed so that they are either oriented differently on the manifold against vibrations and shocks or are flowed through differently (A → B, B → A). All valves are positioned in such a way that the spring returns of the valves in the preferred installation position of the manifolds are aligned or supported in a gravitationally neutral manner. Optionally, the NG20 and NG30 manifolds have an external X-port, which allows testing of the block before the main line P1 is pressurized.

Certification:
In addition, the STOM manifolds are tested and certified by DGUV according to DIN EN ISO 13849-1:2023-12. To view the certificate and check that it is up to date, go to https://zzmweb.dguv.de/ and the certificate number 250060.

Technical data
(For applications outside these values, please consult us!)

General					
Size		20	30	32	40
Mass	kg	See page 12			
Ambient temperature range	°C	–10 ... +50 (NBR seals) –+5 ... +40 (FKM seals)			
Storage temperature range	°C	+5 ... +40			
Plate coating		Galvanic coating DIN EN ISO 19598 – Fe//Zn8//Cn//T0			
Corrosion protection according to DIN EN ISO 12944		C1		C1 [1]	
Period of use according to ISO 13849		The period of use is a maximum of 10 million switching cycles or a maximum of 20 years. The STOM must then be replaced with a new one.			
Preferred installation position (see chapter Dimensions page XX)					

Hydraulic			
Maximum working pressure	▶ Port P1, P2, X/ P1.1, MP1, MP2, MX, MPZ	bar	315
	▶ Port Y	bar	Depressurized to the tank
Hydraulic fluid			See table below
Hydraulic fluid temperature range		°C	–10 ... +80 (NBR seals) –10 ... +80 (FKM seals)
Viscosity range		mm^2/s	2.8 ... 500, preference 30 ... 46
Maximum admissible degree of contamination of the hydraulic fluid; cleanliness class according to ISO 4406 (c)			Class 20/18/15 [2]
Maximum flow		l/min	See characteristic curves page 8

[1] Except LFA logic cover (mounting surface pilot valve unpainted)

[2] The cleanliness classes specified for the components must be adhered to in hydraulic systems. Effective filtration prevents faults and at the same time increases the life cycle of the components.

Hydraulic fluid		**Classification**	**Suitable sealing materials**	**Standards**	**Data sheet**
Mineral oils		HL, HLP, HLPD, HVLP, HVLPD	NBR, FKM	DIN 51524	90220
Flame-resistant	▶ Water-free	HFDU (glycol base)	FKM	ISO 12922	90222
		HFDU (ester base)	FKM		

☞ **Important information on hydraulic fluids:**
- ▶ For more information and data on the use of other hydraulic fluids, please refer to the data sheets above or contact us.
- ▶ There may be limitations regarding the technical valve data (temperature, pressure range, life cycle, maintenance intervals, etc.).
- ▶ The ignition temperature of the hydraulic fluid used must be 50 K higher than the maximum surface temperature.
- ▶ **Flame-resistant – containing water:** When using components with galvanic zinc coatings (e.g. version “J50”) or components containing zinc, small quantities of dissolved zinc can enter the hydraulic system and lead to accelerated ageing of the hydraulic fluid. Zinc soap may form as a chemical reaction product, which may clog filters, nozzles and solenoid valves – particularly in connection with local heat input.

Further information on the valves used
(characteristic curves, area of application, etc.)
can be found in the corresponding data sheets.

Technical data
(For applications outside these values, please consult us!)

Electrical			
Voltage type			Direct voltage
Supply voltage	▶ Nominal value	V	24
	▶ Voltage tolerance (nominal value)	%	±10
Maximum power consumption according to VDE 0580		W	30 per solenoid
Relative duty cycle time according to VDE 0580		%	S1 (continuous operation)
Maximum surface temperature of the coil		°C	120

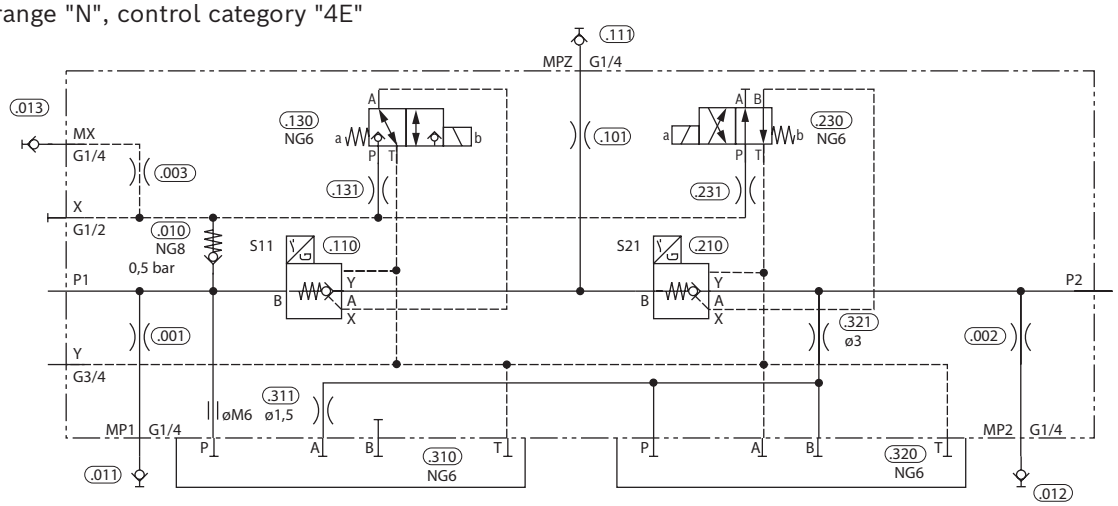
When establishing the electrical connection, the protective grounding conductor (PE ⏚) must be connected correctly.

☞ **Information:**
For information on ports and voltages, see data sheets
on page 18

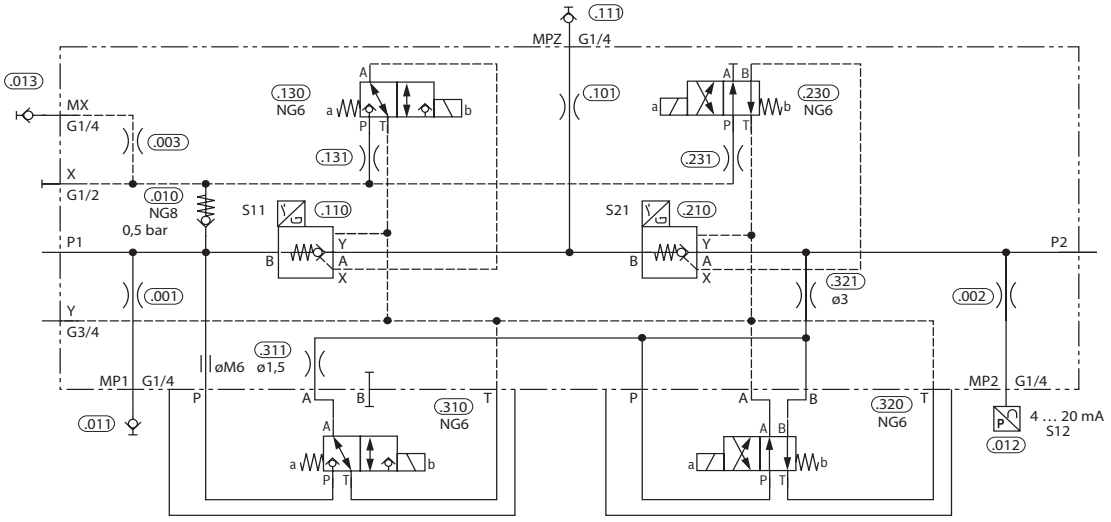
☞ **Information:**
Solenoid valves induce voltage peaks during switch-off.
In order to prevent electro-magnetic interference at the system and damage to the valve control, an interference protection circuit has to be provided on the system side. Alternatively, you can also select a connector with integrated interference protection circuit.

Function
Size 20/30

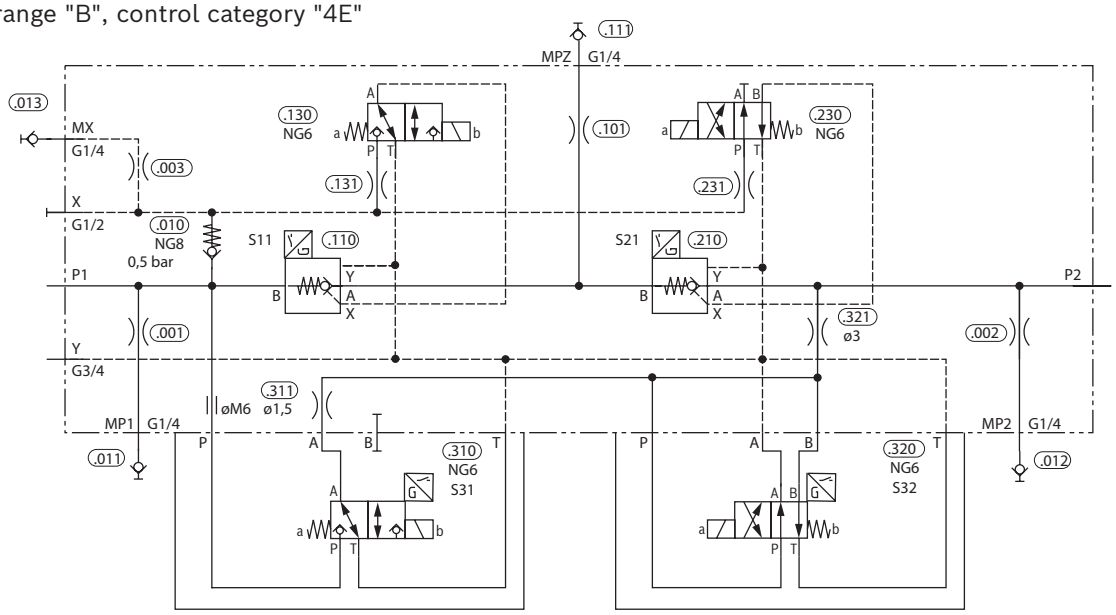
Functional range "N", control category "4E"



Functional scope "B", control category "3D"

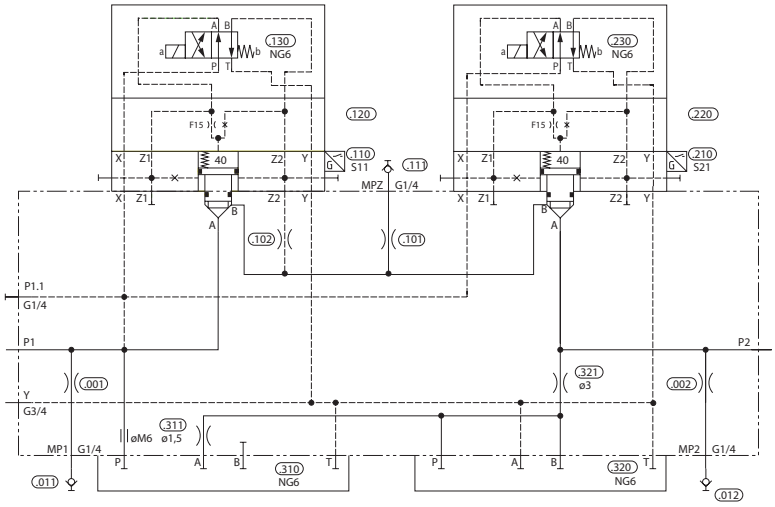


Functional range "B", control category "4E"

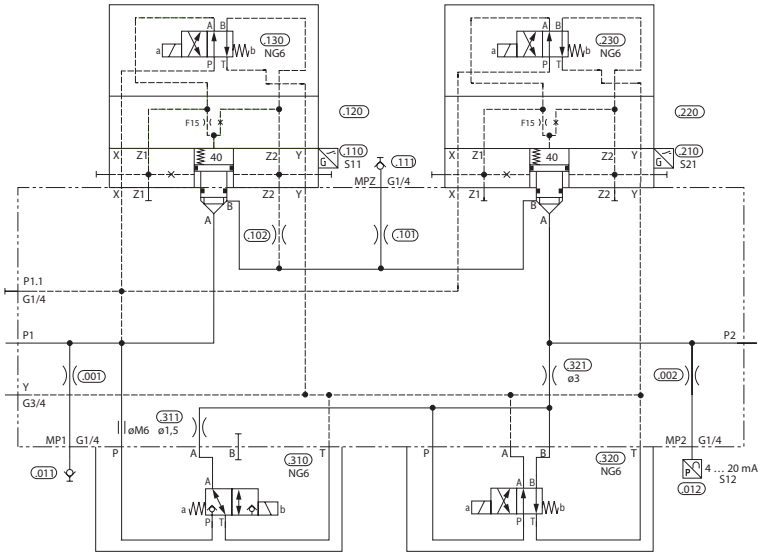


Function
Size 32/40

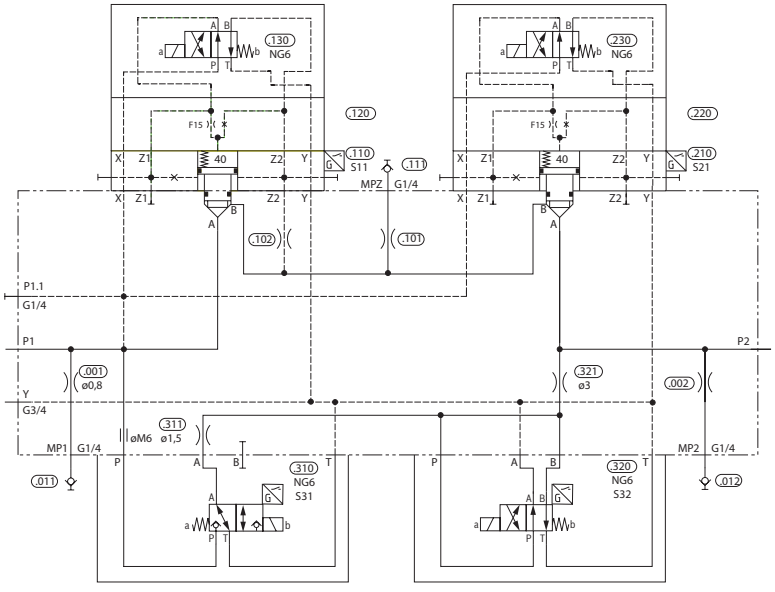
Functional range "N", control category "4E"



Functional scope "B", control category "3D"



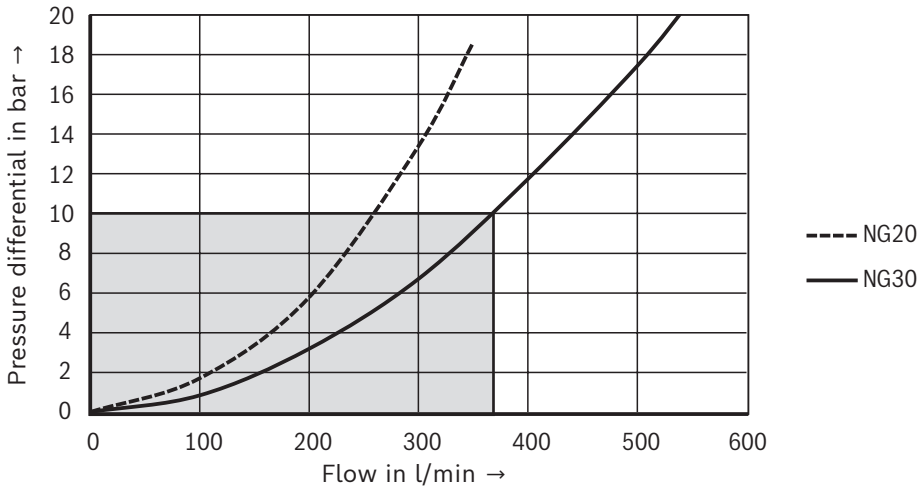
Functional range "B", control category "4E"



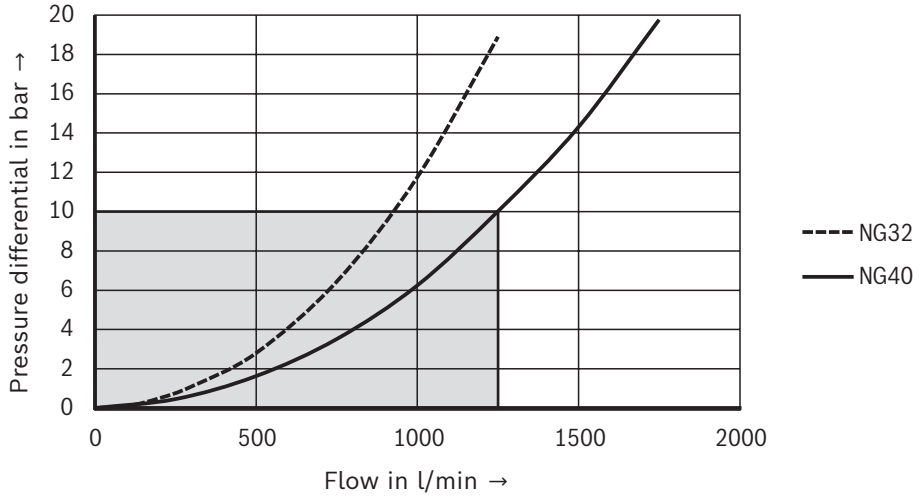
Characteristic curves
(measured with HLP46, ϑ_{oil} = 40±5 °C)

Δp-q_V characteristic curves

NG 20 and NG30



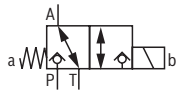
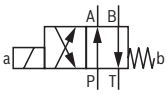
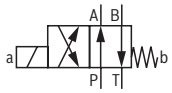
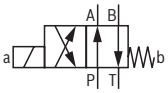
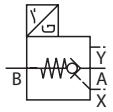
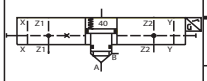
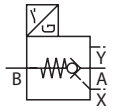
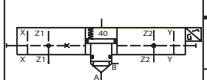
NG 32 and NG40



☞ **Information:**
- Typical characteristic curves which are subject to tolerance variations.
- Grayscale range: Preferred flow range for energy-efficient operation up to 10 bar pressure differential

Circuit history

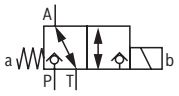
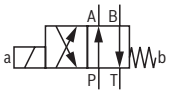
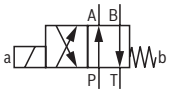
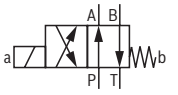
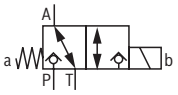
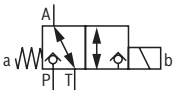
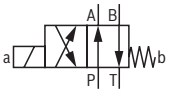
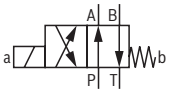
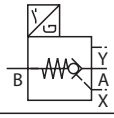
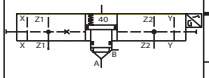
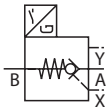
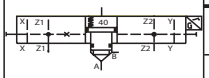
Circuit history STOM...N4E...

	NG20 / NG30	NG32 / NG40	Main flow blocked (STO)		Main flow open	Main flow blocked (STO)
Solenoid pilot valve .130			High (1) Low (0)			
Solenoid pilot valve .230			High (1) Low (0)			
Position switch S11 check valve .110			High (1) Low (0)			
Position switch S21 check valve .210			High (1) Low (0)			
						Pressure reduction in P2 system-specific
Pressure in MP2						
Flow rate P1 → P2 [1]						

[1] Flow rate is determined by the connected system

Circuit history

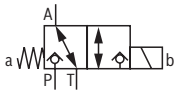
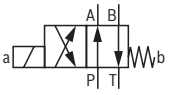
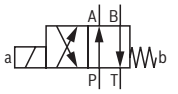
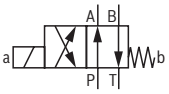
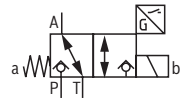
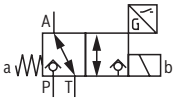
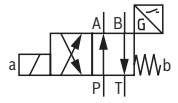
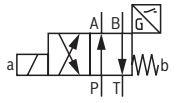
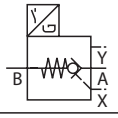
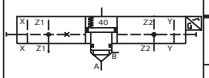
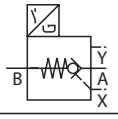
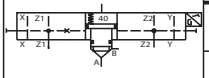
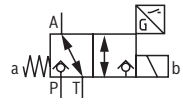
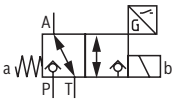
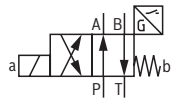
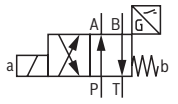
Circuit history STOM...B3D...

	NG20 / NG30	NG32 / NG40	Main flow blocked (STO) and decompression (SDE)	Compression via bypass (SLS)	Main flow open	Main flow blocked (STO) and decompression (SDE)
Solenoid pilot valve .130			High (1) Low (0)			
Solenoid pilot valve .230			High (1) Low (0)			
Solenoid bypass valve .310			High (1) Low (0)			
Solenoid bypass valve .320			High (1) Low (0)			
Position switch S11 check valve .110			High (1) Low (0)			
Position switch S21 check valve .210			High (1) Low (0)			
Pressure signal S12 in MP2 pressure sensor .012			High (1) Low (0)			Flow rate limited via nozzle .321
Flow rate P1 → P2 [1]			High (1) Low (0)	Flow rate limited via nozzle .311		

[1] Flow rate is determined by the connected system

Circuit history

Circuit history STOM...B4E...

	NG20 / NG30	NG32 / NG40	Main flow blocked (STO) and decompression (SDE)	Compression via bypass (SLS)	Main flow open	Main flow blocked (STO) and decompression (SDE)
Solenoid pilot valve .130			High (1) Low (0)			
Solenoid pilot valve .230			High (1) Low (0)			
Solenoid bypass valve .310			High (1) Low (0)			
Solenoid bypass valve .320			High (1) Low (0)			
Position switch S11 check valve .110			High (1) Low (0)			
Position switch S21 check valve .210			High (1) Low (0)			
Position switch S31 check valve .310			High (1) Low (0)			
Position switch S32 check valve .320			High (1) Low (0)			
Pressure in MP2						Flow rate limited via nozzle .321
Flow rate P1 → P2 [1]				Flow rate limited via nozzle .311		

[1] Flow rate is determined by the connected system

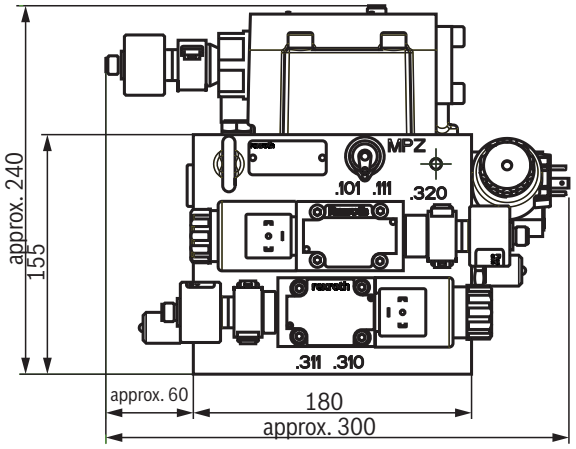
Preferred types

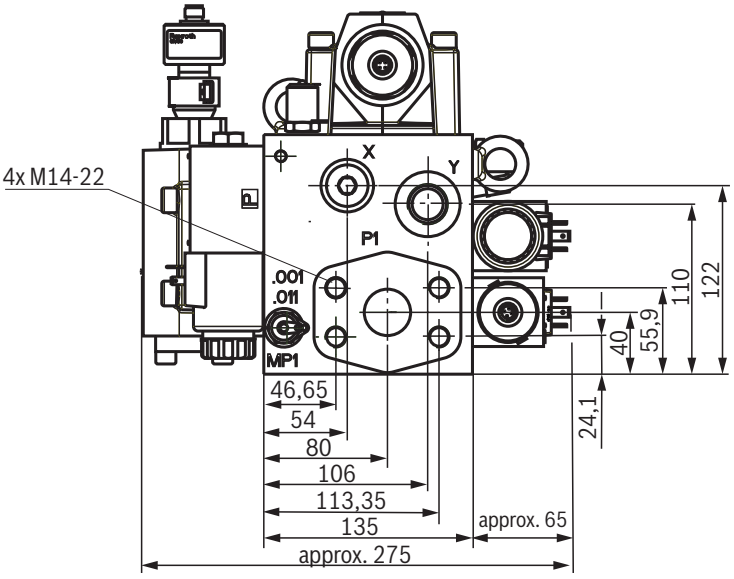
Seal material	Size	Function	Control category	PFHd [1/h]	Designation	Material number	Weight (kg)
NBR	20	N	4E	2.8E-8	STOM-20N4E-1X / G24K4K24-1530-M / MJ50	**R901589530**	40
		B	4E	4.1E-8	STOM-20B4E-1X / G24K4K24-1530-M / MJ50	**R901589531**	42
		B	3D	5.5E-8	STOM-20B3D-1X / G24K4K24-1530-20 / MJ50	**R901589532**	41.5
	30	N	4E	2.8E-8	STOM-30N4E-1X / G24K4K24-1530-M / MJ50	**R901589533**	52.4
		B	4E	4.1E-8	STOM-30B4E-1X / G24K4K24-1530-M / MJ50	**R901589534**	55
		B	3D	5.5E-8	STOM-30B3D-1X / G24K4K24-1530-20 / MJ50	**R901589535**	54.5
	32	N	4E	2.5E-8	STOM-32N4E-1X / G24K4K24-1530-M / MJ50	**R901589536**	70.5
		B	4E	3.8E-8	STOM-32B4E-1X / G24K4K24-1530-M / MJ50	**R901589538**	73
		B	3D	5.2E-8	STOM-32B3D-1X / G24K4K24-1530-20 / MJ50	**R901589539**	72.5
	40	N	4E	2.5E-8	STOM-40N4E-1X / G24K4K24-1530-M / MJ50	**R901589540**	115.5
		B	4E	3.8E-8	STOM-40B4E-1X / G24K4K24-1530-M / MJ50	**R901589541**	119
		B	3D	5.2E-8	STOM-40B3D-1X / G24K4K24-1530-20 / MJ50	**R901589542**	118.5
FKM	20	N	4E	2.8E-8	STOM-20N4E-1X / G24K4K24-1530-M / VJ50	**R901589543**	41.5
		B	4E	4.1E-8	STOM-20B4E-1X / G24K4K24-1530-M / VJ50	**R901589544**	43
		B	3D	5.5E-8	STOM-20B3D-1X / G24K4K24-1530-20 / VJ50	**R901589545**	42.5
	30	N	4E	2.8E-8	STOM-30N4E-1X / G24K4K24-1530-M / VJ50	**R901589546**	54
		B	4E	4.1E-8	STOM-30B4E-1X / G24K4K24-1530-M / VJ50	**R901589547**	56.5
		B	3D	5.5E-8	STOM-30B3D-1X / G24K4K24-1530-20 / VJ50	**R901589548**	56
	32	N	4E	2.5E-8	STOM-32N4E-1X / G24K4K24-1530-M / VJ50	**R901589549**	70.5
		B	4E	3.8E-8	STOM-32B4E-1X / G24K4K24-1530-M / VJ50	**R901589550**	73
		B	3D	5.2E-8	STOM-32B3D-1X / G24K4K24-1530-20 / VJ50	**R901589552**	72.5
	40	N	4E	2.5E-8	STOM-40N4E-1X / G24K4K24-1530-M / VJ50	**R901589553**	117
		B	4E	3.8E-8	STOM-40B4E-1X / G24K4K24-1530-M / VJ50	**R901589554**	119
		B	3D	5.2E-8	STOM-40B3D-1X / G24K4K24-1530-20 / VJ50	**R901589556**	119

Other configurations and fitting variants available on request

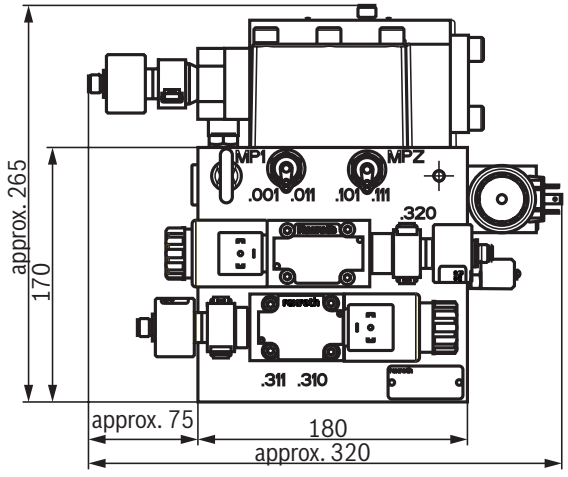
Dimensions:
(Dimensions in mm)

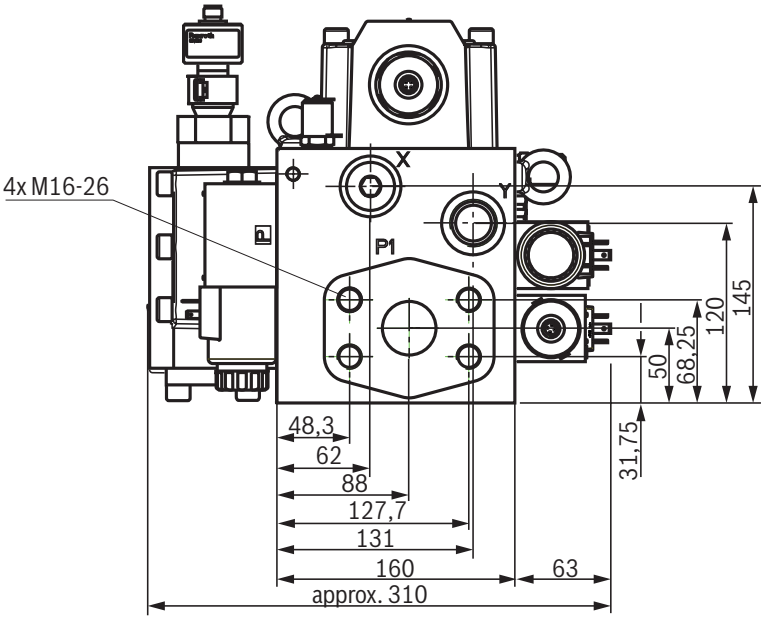
NG20 (function variant B4E)





NG30 (function variant B4E)





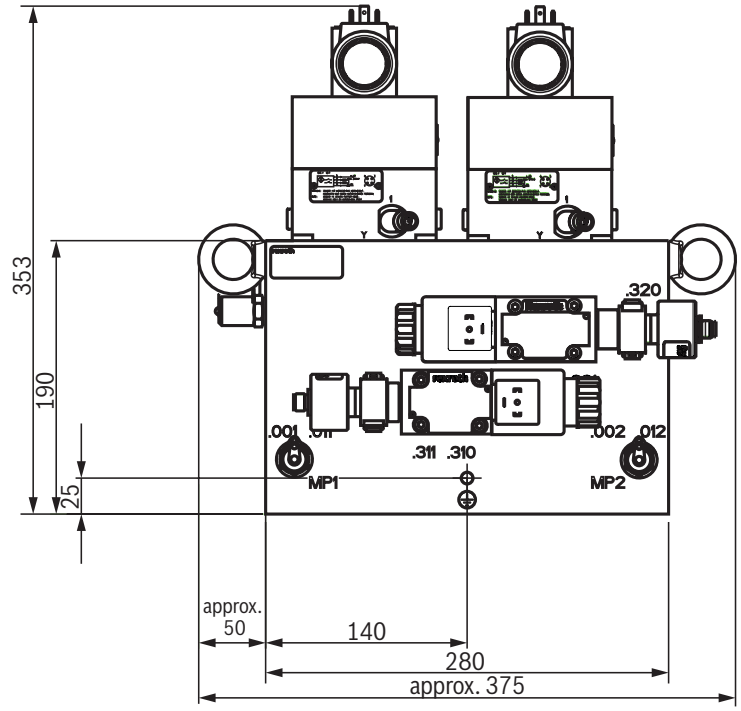
Port	Port size	
	NG20	NG30
P1, P2	SAE1¼-6000 psi	SAE1½-6000 psi
X	G½	G½
Y	G¾	G¾
MP1, MP2, MPZ, MX	G¼	G¼

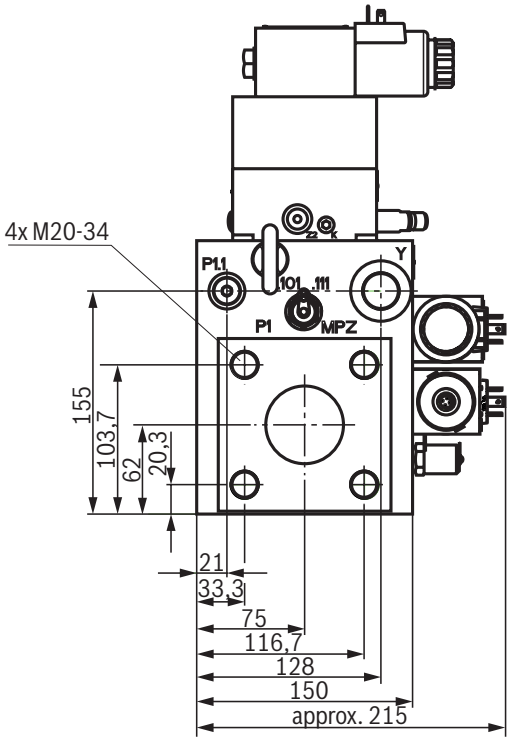
Information:

- Main ports P1 and P2 in the same axis
- Preferred installation position horizontal as shown

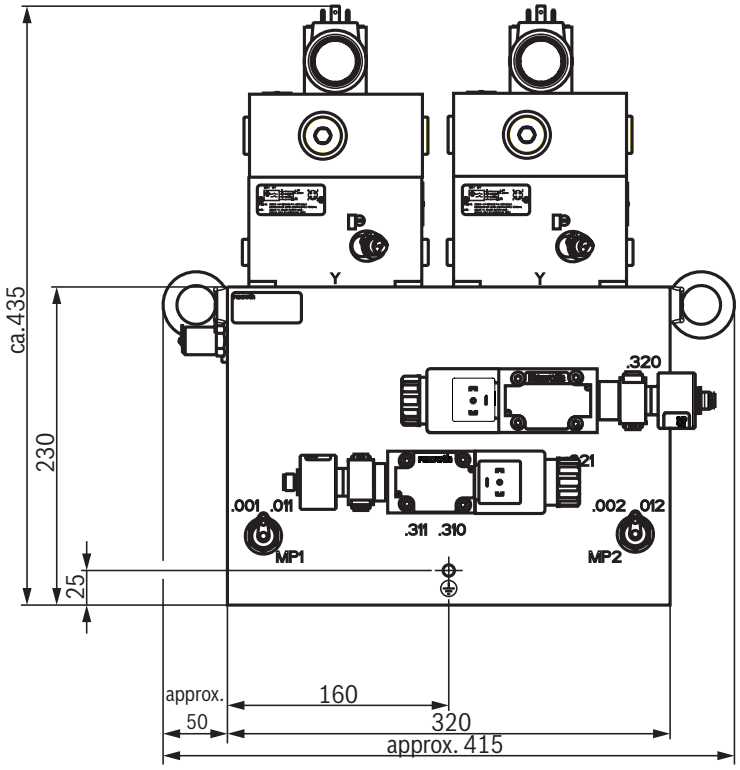
Dimensions:
(Dimensions in mm)

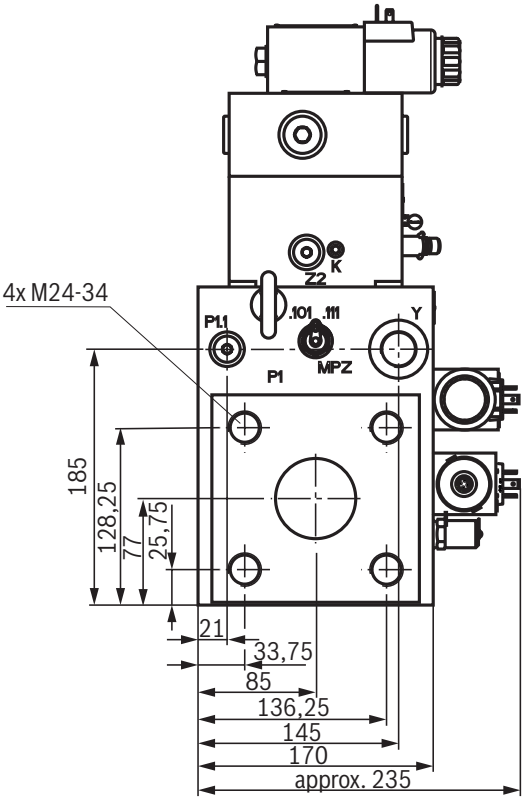
NG32 (function variant B4E)





NG40 (function variant B4E)



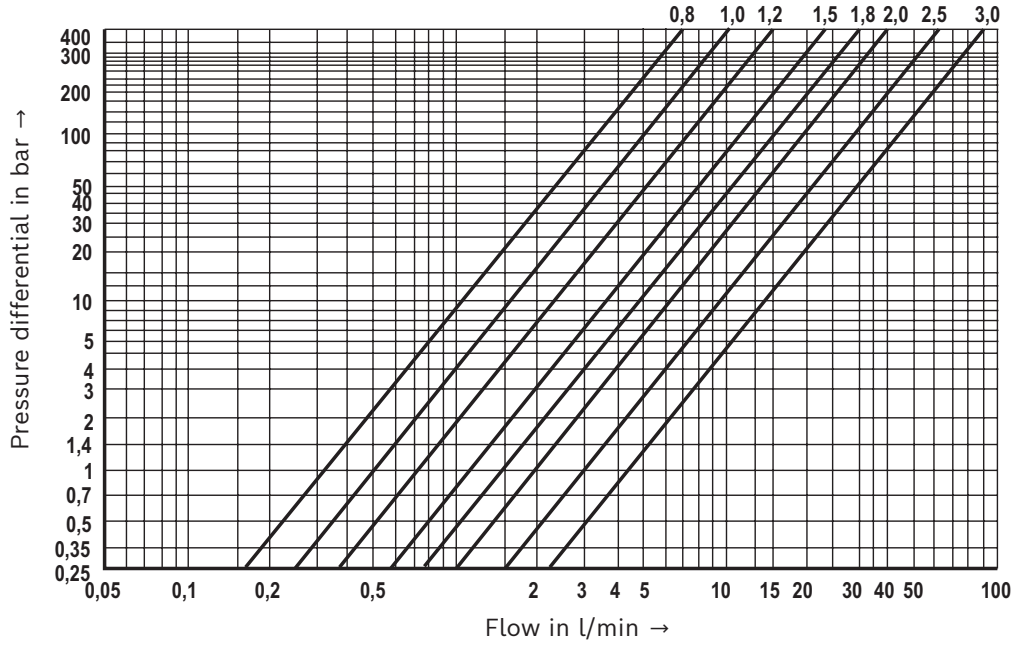


Port	Port size	
	NG32	NG40
P1, P2	DN56 ISO 6164	DN63 ISO 6164
P1.1	G¼	G¼
Y	G¾	G¾
MP1, MP2, MPZ	G¼	G¼

Information:

- Main ports P1 and P2 in the same axis
- Preferred installation position horizontal as shown

Nozzle characteristics



NozzleØ in mm	Designation	Material number
0.8	NOZZLE DCCS10028-0.8-B-M6X6-ST	**R913029447**
1.0	NOZZLE DCCS10028-1-B-M6X6-ST	**R913019186**
1.2	NOZZLE DCCS10028-1.2-B-M6X6-ST	**R913040362**
1.5	NOZZLE DCCS10028-1.5-B-M6X6-ST	**R913028337**
1.8	NOZZLE DCCS10028-1.8-B-M6X6-ST	**R913030186**
2.0	NOZZLE DCCS10028-2-B-M6X6-ST	**R913029870**
2.5	NOZZLE DCCS10028-2.5-B-M6X6-ST	**R913032543**
3.0	NOZZLE DCCS10028-3-B-M6X6-ST	**R913040368**

Formula for calculating a flow over an orifice

$$Q = \alpha_0 \cdot A_0 \sqrt{\frac{2}{\rho} \cdot (p_1 - p_2)}$$

- Q Flow rate over an orifice (m^3/s)
- α_0 Flow coefficient
- A_0 Orifice flow cross section (m^2)
- ρ Density of pressure medium (kg/m^3)
- p_1 Pressure before orifice (bar)
- p_2 Pressure after orifice (bar)

Formula for approximating the compression or decompression time of a pipeline [1)]

$$\Delta V = \frac{(p_1 - p_2) \cdot V}{K}$$

$$t = \frac{\Delta V \cdot 60}{Q}$$

- ΔV Change in volume due to compression or decompression (dm^3)
- p_1 Pressure before compression or decompression (N/cm^2)
- p_2 Pressure after compression or decompression (N/cm^2)
- V Pipe volume (dm^3)
- K Fluid compression modus (N/cm^2)
- t Compression or decompression time (s)
- Q Compression or decompression flow rate (dm^3/min)

1) The possible change in volume due to a temperature change is not taken into account, since it is not to be assumed that a temperature change takes place within a few seconds when compressing or decompressing the pipeline. Also not taken into account is the change in volume due to stress expansion in the pipeline, since this is so small as to be neglectable in the present load cases compared to the compression volume of the fluid.

Accessories (separate order) [1)]

Designation	Material number	Standard
Connection flange (P1 and P2 port)		
FLANGE SAE11/4H- 30.0 X 4.0 -A280ST	**R900026316**	**ISO 6162-1/2**
FLANGE SAE11/4H- 38.0 X 6.0 -A340ST	**R900012346**	**ISO 6162-1/2**
FLANGE SAE11/4H- 42.4 X 5.6 -A250ST	**R900077824**	**ISO 6162-1/2**
FLANGE SAE11/2H- 38.0 X 6.0 -A340ST	**R900012943**	**ISO 6162-1/2**
FLANGE SAE11/2H- 48.3 X 4.5 -A160ST	**R901004312**	**ISO 6162-1/2**
FLANGE SAE11/2H- 48.3 X 8.0 -A350ST	**R900015663**	**ISO 6162-1/2**
FLANGE SAE11/2H- 60.3X10.0 -A320ST	**R900011897**	**ISO 6162-1/2**
FLANGE FA 50-2/ 60.3X 5.0 -160ST	**R901261050**	**ISO 6164**
FLANGE FA 50-3 / 76.1 x 10,0-11 -250ST	**R901404645**	**ISO 6164**
FLANGE FA 50-4/ 76.1X12.5-11 -315ST	**R901024042**	**ISO 6164**
FLANGE FA 65-2/ 76.1X6.3-11 -160ST	**R901596179**	**ISO 6164**
FLANGE FA 65-3/ 88.9X11.0-11 -250ST	**R901596172**	**ISO 6164**
FLANGE FA 65-4/ 88.9X14.2-11 -320ST	**R900089120**	**ISO 6164**
Pipe extensions (weldable)		
REDUCER 48.3X 8.0 - 38.0X 6.0 -ST	**R900063820**	**DIN EN 10253-2**
REDUCER 76.1X12.5 - 60.3X10.0 -ST	**R900070590**	**DIN EN 10253-2**
REDUCER 88.9X14.2 - 76.1X12.5 -ST	**R900070622**	**DIN EN 10253-2**
REDUCER 101.6X16.0 - 88.9X14.2 ST	**R901244489**	**DIN EN 10253-2**
Pipe fittings (X-port)		
SCREW-IN FITTING 24SDS-E-S-12S-G1/2-ST3N00Z	**R901331134**	**ISO 8434-1**
SCREW-IN FITTING 24SDS-E-S-16S-G1/2-ST3N00Z	**R901327077**	**ISO 8434-1**
SCREW-IN FITTING 24SDS-E-S-20S-G1/2-ST3N00Z	**R901331173**	**ISO 8434-1**
Pipe fittings (Y port)		
SCREW-IN FITTING 24SDS-E-S-18L-G3/4-ST3N00Z	**R901331164**	**ISO 8434-1**
SCREW-IN FITTING 24SDS-E-S-22L-G3/4-ST3N00Z	**R901327074**	**ISO 8434-1**
SCREW-IN FITTING 24SDS-E-S-28L-G3/4-ST3N00Z	**R901331198**	**ISO 8434-1**

[1)] All specified material numbers are for seal material NBR.
Other seal materials on request.

Accessories (separate order)

Designation	Material number	Data sheet
Pressure sensors		
HM 20-2X/160-C-K35-N	**R901381345**	**30272**
HM 20-2X/160-H-K35-N	**R901381347**	**30272**
HM 20-2X/400-C-K35-N	**R901456334**	**30272**
HM 20-2X/400-H-K35-N	**R901466598**	**30272**
HEDE10-3X/100/1/-GI-K35-0	**R901425473**	**30277**
HEDE10-3X/250/1/-GI-K35-0	**R901425474**	**30277**
HEDE10-3X/400/1/-GI-K35-0	**R901425475**	**30277**
HEDE12-1X/100-2-K35-V	**R901507473**	**30340**
HEDE12-1X/250-2-K35-V	**R901507474**	**30340**
HEDE12-1X/400-2-K35-V	**R901507477**	**30340**
Plug screws		
PLUG SCREW DCCS10001-G1/4A-ST+EP-NBR	**R913011601**	
PLUG SCREW DCCS10001-G3/8A-ST+EP-NBR	**R913011602**	
PLUG SCREW DCCS10001-G1/2A-ST+EP-NBR	**R913011603**	
PLUG SCREW DCCS10001-G1/4A-ST+EP-FKM	**R913011609**	
PLUG SCREW DCCS10001-G3/8A-ST+EP-FKM	**R913011610**	
PLUG SCREW DCCS10001-G1/2A-ST+EP-FKM	**R913011611**	
Measuring couplings		
MEASURING COUPLING MCS20-SDS-E-G1/4-ST3N00Z-M	**R900009090**	
MEASURING COUPLING MCS20-SDS-E-G1/4-ST3F00Z-M	**R900001264**	
Mating connectors		
MATING CONNECTOR 3P Z4 M SW SPEZ	**R901017011**	**08006**
MATING CONNECTOR 4P Z24 ANGLED P&	**R900779509**	**08006**
Pipe check valve (can be mounted on X or P1.1 of the block)		
S10A05-1X/450J3 (G1/2 internal thread)	**R901424189**	**20378**
S6A05-1X/450J3 (G1/4 internal thread)	**R901454046**	**20378**

Certification

The STOM manifolds have been tested and certified by DGUV in accordance with DIN EN ISO 13849-1:2023-12. To view the certificate and check that it is up to date, go to https://zzmweb.dguv.de/ and the certificate number 250060.

Further information

▶ Operating instructions STO manifold	Instructions 62340-B
▶ Directional spool valve	Data sheet 23178
▶ 3/2 and 4/2 directional seat valve with solenoid actuation, type SED	Data sheet 22045
▶ 2/2, 3/2 and 4/2 directional seat valve with solenoid actuation, type M-.SED	Data sheet 22049
▶ Check valve, pilot operated, type SV and SL	Data sheet 21468
▶ 2-way cartridge valve, actively controllable; type LC2A, Series 1X	Data sheet 21040
▶ 2-way cartridge valve, actively controllable; type LC2A, Series 2X	Data sheet 21071
▶ 2-way cartridge valves, directional functions, type LFA (control cover)	Data sheet 21010
▶ Pressure transducer for hydraulic applications type HM20	Data sheet 30272
▶ Check valve, cartridge design, type M-SR	Data sheet 20380
▶ On/off valves with spool position monitoring	Data sheet 24830
▶ Hydraulic fluids based on mineral oils	Data sheet 90220
▶ Flame-resistant, water-free hydraulic fluids	Data sheet 90222
▶ Hydraulic valves for industrial applications	Instructions 07600-B
▶ Information on available spare parts	www.boschrexroth.com/spc

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