

# **Hydraulic Accessories**

# Pressure switches, valves, pressure gauges and hydraulic oil

#### **Pressure switches**

#### **Pressure switch HDS**



#### **Description**

Mini pressure switch, adjustable as a piston pressure switch

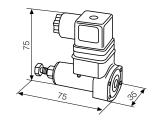
### **Technical data**

Max. operating pressure	[bar]	400
Temperature range	[°C]	-40  up to  +80
Connection		DIN ISO 16873

Description	Adjustment range [bar]	Part no.
HDS-1-120	10 – 120	294000051
HDS-1-250	25 – 250	294000052
HDS-1-400	40 – 400	294000053

#### **Pressure switch DG**





Description	Adjustment range [bar]	Part no.
DG 33	200 – 600	294000019
DG 34	100 – 350	294000020
DG 35	20 – 210	294000021

## Accessories for pressure switches

Connecting plate for pipe connection G 1/4 for HDS	295020003
Plug with double LED and cable 1.5 m	209750036
Plug DIN 43650, plug insert 4 x 90° rotatable	209700012
<b>Spare O-ring</b> Ø 5 x 1.5 mm	195010026

## **Directional seat valve (WH1)**



## Description

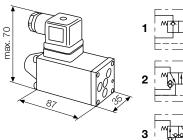
3/2 directional control valve with leak-free and tight ball-type poppet valves. Compact design by integration of the valve components in the magnetic body.

The directional seat valve has an emergency stop.

#### **Technical data**

[l/min]	8
[bar]	400
[°C]	-40  up to  +80
[V DC]	24
	[bar] [°C]

Description	Flow rate	Circuit diagram	Part no.
WH 1 D	8 I/min	1	292206001
WH 1 N NBVP 16 Z	8 I/min 20 I/min	2	292206003 292206042
WH 1 R NBVP 16 Y	8 I/min 20 I/min	3	292206004 292206043
WH 1 F	8 I/min	4	292206009
GZ 3-1 A24 G 3-1 A24	as per customer's request		292201042 292201043





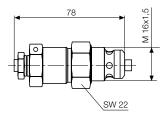
#### Pressure relief valve



#### Description

Safety valve to prevent exceeding the maximum admissible pressure and for limiting operating pressures.

Description	Flow rate [I/min]	Part no.
CMV 1B - 420	20	292300114



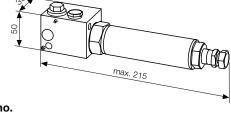
#### Pressure reducing valve



#### **Description**

Pressure control valve for keeping the lower output pressure in the secondary circuit constant without affecting the higher pressure in the primary circuit.

Screw-in type valve in combination with connector block.



#### Description Range of adjustment Part no.

	[Dai]	
CZ 5/80/5R	15 – 130	292320023

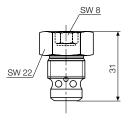
#### **Check valves**



#### Description

Stop valves with free flow in one direction and blocked oil flow in the opposite direction.

Description	Connection	Part no.
CRK 1	M 16 x 1.5	292500076



## **Check valves** for pipe installation



#### Description

Check valves with one flow direction. Housing made from galvanised steel. Spring-loaded ball-type poppet valve, leakage-free Pilot-operated by hydraulic pressure

Control pressure =  $0.38 \times 0$  operating pressure + 12

G 1/4	SW 24
===-	/ -===
===-	-===
<b>_</b> max	. 100

Description	Pilot operated	Connection	<b>Graphical symbol</b>	Part no.
B2-1	no	G 1/4		292500008
B2-2	no	G 3/8	В	292500009
B2-3	no	G ½		292500010
RH1	yes	G 1/4	ļΖ	292500047
RH2	yes	G 3/8	В	292500034

#### Pressure gauge



### Description

Pressure gauge with steel pipe spring and glycerine filling. Ø 63 mm

Pressure range	Connection	Part no.
[bar]		
0 – 600	G 1/4, at the bottom	138660004
0 – 160	G ¼, at the bottom	138660050
0 – 600	G 1/4, on the back	138660051

# Hydraulic oil

Description	Temp. range [°C]	Container [l]	Part no.
HLP 32	10 – 50	1	698950010
HLP 32	10 – 50	5	698910010
HLP 46	20 – 60	1	698960010
HLP 46	20 – 60	5	698970010

## Hydraulic oil Oemeta fire-resistant

Description	Temp. range [°C]	Part no.	
HF-DU	10 – 200	on request	
(e.g. for the use in forging presses)			