



PRESSURE REDUCING AND SHUT-OFF UNITS



PRESSURE SWITCH

DP-K-007-000001 // type 804-10
 DP-K-007-000002 // type 804-20
 DP-K-007-000003 // type 804-100
 DP-K-007-000004 // type 804-200

Pressure switch for monitoring the material pressure in the supply line.

TECHNICAL DATA

Type	804-10	804-20	804-100	804-200
Pressure range	1–10 bar	2–20 bar	1–100 bar	2–200 bar
Compressive strength	300 bar	300 bar	600 bar	600 bar
Max. voltage	250 V	250 V	250 V	250 V
Max. current	2 A	2 A	2 A	2 A
Connection	G 1/4"	G 1/4"	G 1/4"	G 1/4"

▶▶▶ FP001, FP015, FP045, FP045-T, FP050, FP050-T, FP200, FP200-T, FP200-S



PRESSURE SENSOR WITH DISPLAY

DP-K-007-000009 // type PN 7071
 DP-K-007-000010 // type PN 7070
 DP-K-007-000011 // type PN 7093
 DP-K-007-000012 // type PN 7094

Electronic pressure sensor with display for monitoring the material pressure in the supply line.

- ▶ 2 switching outlets (make/break contact parameterizable)
- ▶ 2 output signals (switching signal, IO-Link configurable)
- ▶ 4-digit alphanumeric display (digital display) with red-green alternating display

TECHNICAL DATA

Type	PN 7071	PN 7070	PN 7093	PN 7094
Pressure range	0–250 bar	0–400 bar	0–25 bar	–1–10 bar
Compressive strength	800 bar	800 bar	150 bar	75 bar
Voltage	18–30 V	18–30 V	18–30 V	18–30 V
Max. current	150 mA	150 mA	150 mA	35 mA
Connection	G 1/4"	G 1/4"	G 1/4"	G 1/4"
Electrical connection	plug connection 1x M12 A-coded			

▶▶▶ FP001, FP015, FP045, FP045-T, FP050, FP050-T, FP200, FP200-T, FP200-S



PRESSURE REDUCING AND SHUT-OFF UNITS



STOPCOCK WITH CONNECTION ADAPTER KH HD

DP-D-003-000001 // G 1/4"

DP-D-003-000008 // G 1/2"

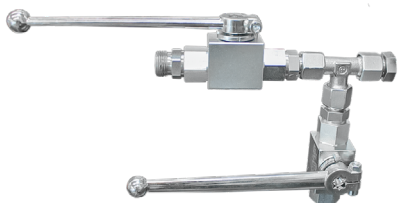
Shut-off valve for manual shut-off of the material line.

Type: KH HD Ball cock high pressure

TECHNICAL DATA

Connection thread	G 1/4"	G 1/2"
Material	steel	steel
Max. operating pressure	500 bar	500 bar

▶▶▶ FP001, FP015, FP045, FP045-T, FP050, FP050-T, FP200, FP200-T, FP200-S



SHUT-OFF AND VENT COCK WITH CONNECTION ADAPTER KH HD

DP-D-003-000002

Shut-off valve for manual shut-off and venting of the material line.

Type: KH HD Ball cock high pressure

TECHNICAL DATA

Connection thread	G 1/4"
Material	steel
Max. operating pressure	300 bar

▶▶▶ FP001, FP015, FP045, FP045-T, FP050, FP050-T, FP200, FP200-T, FP200-S



PRESSURE REDUCING AND SHUT-OFF UNITS



PRESSURE REGULATING VALVE WITH INLET AND OUTLET PRESSURE GAUGES

DP-K-002-000056 // type C-450.00.24
 DP-K-002-000057 // type C-450.00.25
 DP-K-002-000064 // type C-450.00.13
 DP-K-002-000062 // type C-450.00.04 (carbide version)
 DP-K-002-000063 // type 1013168 (carbide version)

The Pressure regulating valve is suitable for reducing the material pressure to the required working pressure and for leveling out pressure fluctuations in the material supply of greases, oils and pastes. This ensures an absolutely uniform material flow during metering application.

Standard version with inlet and outlet pressure gauge. Optional accessories: Shut-off and vent cock, pressure switch, pressure sensor.

TECHNICAL DATA

Type	C-450.00.24	C-450.00.25	C-450.00.13	C-450.00.04	1013168
Inlet pressure	20-250 bar	20-250 bar	30-400 bar	20-250 bar	20-250 bar
Outlet pressure	12-100 bar	6-50 bar	15-150 bar	6-50 bar	12-100 bar

▶▶▶ FP001, FP015, FP045, FP045-T, FP050, FP050-T, FP200, FP200-T, FP200-S



PRESSURE REDUCING AND SHUT-OFF UNITS



PRESSURE REGULATING VALVE DRV04

DP-D-012-000001 // DRV04-25-2M
 DP-D-012-000002 // DRV04-45-2M
 DP-D-012-000003 // DRV04-80-2M
 DP-D-012-000012 // DRV04-200-2M

APPLICATION

The Pressure regulating valve is suitable for reducing the material pressure to the required working pressure and for leveling out pressure fluctuations in the material supply of greases, oils and pastes. This ensures an absolutely uniform material flow during metering application.

DESCRIPTION

The Pressure regulating valve consists of a basic body and a pressure unit (sealing ball and seat made of hard metal, as well as a high-quality spring assembly). Standard version with inlet and outlet pressure gauge. Optional accessories: Shut-off and vent cock, pressure switch, pressure sensor.

ADVANTAGES

- ▶ Very low wear due to precisely guided hard metal ball and hard metal seat
- ▶ Seal package can be changed quickly and easily without dismantling the unit from the plant
- ▶ Simple pressure adjustment
- ▶ Piston movement optically visible and measurable
- ▶ Flexible mounting options

TECHNICAL DATA

Type	DRV04-25	DRV04-45	DRV04-80	DRV04-200
Weight	approx. 2.0 kg			
Material conditions				
Inlet pressure	max. 250 bar			
Outlet pressure	3–25 bar	6–45 bar	12–80 bar	30–200 bar
Max. ratio between inlet and outlet pressure	5:1			
Connection material input	G 1/4" female thread			
Connection material outlet	G 1/4" female thread			
Permissible medium	NLGI class 0–3 (greases, oils, pastes)			
Environmental conditions				
Temperature	10–50 °C			
Humidity	50– max. 70 %			

▶ ▶ ▶ FP001, FP015, FP045, FP045-T, FP050, FP050-T, FP200, FP200-T, FP200-S