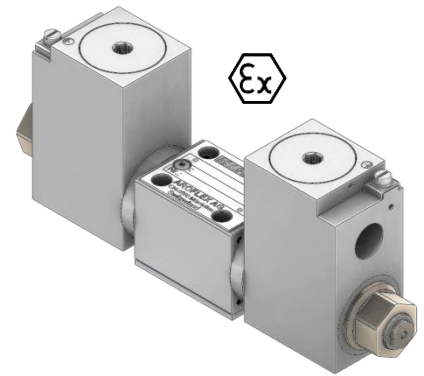


- direct operated, 3-way pressure reducing valve
- $Q_{\max} = 8 \text{ l/min}$
- pressure range = 0 - 45 bar
- body stainless steel (optional)



Description

The proportional pressure reducing valve (3-way function) is used to control pressure and direction in hydraulic systems, where the pressure frequently has to be changed. Proportional to the solenoid current, solenoid force and pressure in port A or B rises. With deenergized solenoid, port A and B are connected to port T (throttled). The valve function is practically independent of the pressure in port P.


The proportional pressure reducing valve can be delivered with 1 or 2 solenoids. For pressure reducing only in A or B, it needs only one solenoid. For pressure reducing in A and B, it needs two solenoids.

Application

A typical application is for example a pilot valve for larger proportional directional control valves.

Technical Data

General Specifications	DRV-Exd-L15
Description:	spool valve, direct operated
Mounting position:	longitudinal axis horizontal (vertical only after consulting the manufacturer)
Nominal size:	NG6, DIN 24340 A 06, ISO 4401-03, Cetop 3

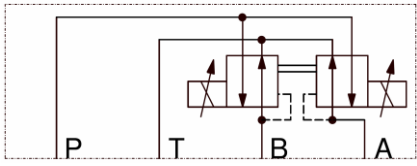
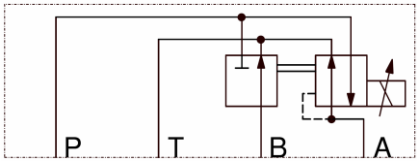
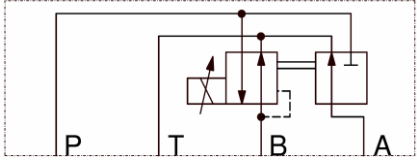
Solenoid coil	Exd-L15
Explosion protection marking:	 II 2 G Ex d IIC T4
Type:	MKY45/18x60-G24/L15
EC-type examination certificate:	PTB 07 ATEX 1023 IECEX PTB 10.0020
Ambient temperature:	- 25° ... + 70°C
Rated voltage:	24 VDC
Rated Power:	15 W
Limiting current:	450mA
Operating time:	100%
Protection class:	IP65 acc. to EN 60 529
Connection:	Terminal box with thread M20x1.5

Safety instructions for Exd-L15


The solenoid coils must only be mounted on those valves assigned to. It is essential to read the solenoids operating instructions.

Hydraulic Specifications	
Max. volume flow:	$Q_{\max} = 8 \text{ l/min}$
Max. pressure:	315 bar (for optimal control behaviour max. 100 bar)
Pressure range:	0 - 20 bar, 0 - 30 bar, 0 - 45 bar
Fluid:	Mineral oil, other fluids on request
Fluid temperature:	- 20° ... + 60°C
Viscosity range:	12 - 320 mm ² /s (cSt)
Filtration:	25 µm minimum, recommended: 10µm or better


Overview

Symbols	Description	Design
	DRVAB-06-3-...D	Pressure reducing in A and B (4/3 way function)
	DRVA-06-3-...D	Pressure reducing in A (4/2 way function)
	DRVB-06-3-...D	Pressure reducing in B (4/2 way function)

Type code

DRV	...	-06	-3	-...	.D	-...	-...
							Exd-L15 =  II 2 G Ex d IIC T4 omit = standard 316L = body stainless steel pressure range 20 = 0 - 20 bar 30 = 0 - 30 bar 45 = 0 - 45 bar 06 = NG 6 AB = pressure reducing in A and B A = pressure reducing in A B = pressure reducing in B proportional pressure reducing valve

Ordering code (example):

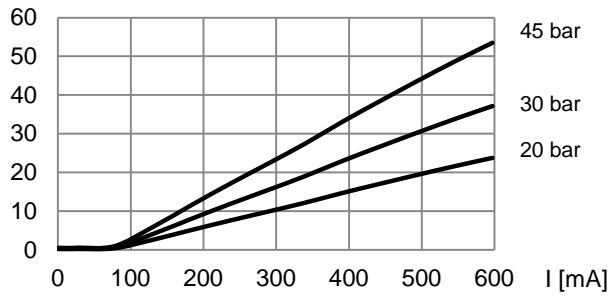
- Proportional pressure reducing valve NG6
- 4/3 way function with pressure reducing in A and B
- explosion proof execution  II 2 G Ex d IIC T4
- pressure range 0 - 30 bar

Type code

DRVAB-06-3-30.D-Exd-L15

Characteristics

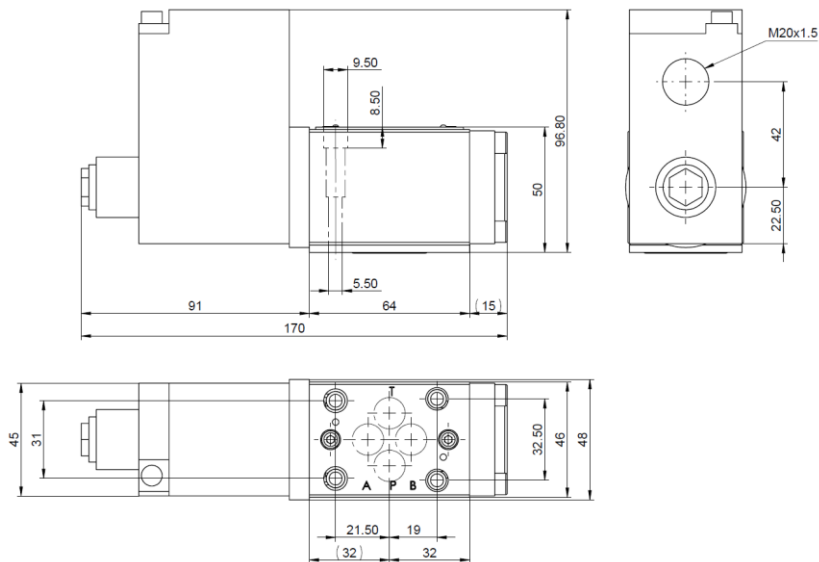
$p = f(I)$ pressure adjustment characteristics
 p [bar] Exd-L15



Dimensions

DRVA-06-3-....D-Exd-L15 / DRVB-06-3-....D-Exd-L15
 drawing for DRVB-06-3-....D-Exd-L15

Weight: 3.0 kg



DRVAB-06-3-....D-Exd-L15

Weight: 4.7 kg

