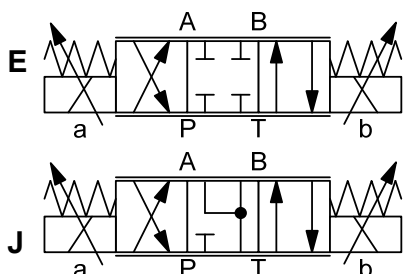


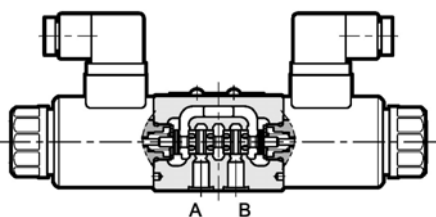
## 4/3- Proportional Solenoid Valve direct acting Subplate to ISO4401 P4WE 06

### SYMBOL



up to 40 l/min  
up to 350 bar

### FUNCTION



The P4WE 06 is a direct acting solenoid valve, which combines the directional control with the velocity control of the consumer. The controlled nominal flow is proportional to the electrical input signal at the coil. Analogue to his size the coil creates a force and moves the piston against the spring. Herewith the corresponding cross section diameters are opened which determines the flow rate in dependence of the pressure differential. For the electrical control of the valve there are electronic modules available (see brochure 5.249.2.0 PEM-XD).

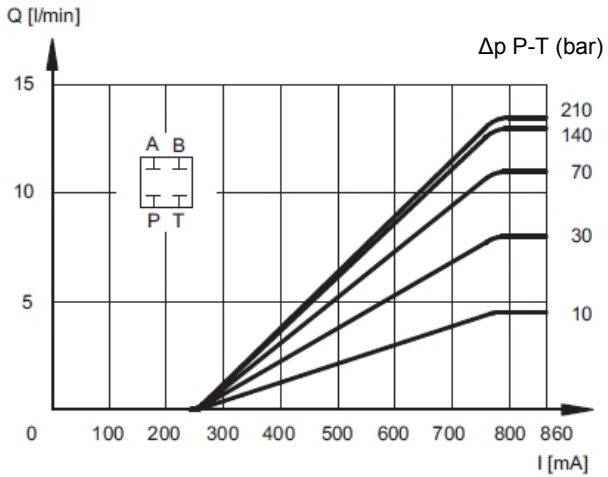
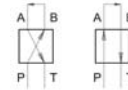
### FEATURES

- High flow rate due to optimized casted housing
- Small hysteresis by super finish of moving parts
- Long life cycle times by armature switching under oil
- Minimal wear by hardened and ground valve piston
- Simple exchangeability by international standardized hole pattern to ISO 4401
- Electronic control by PEM-XD see brochure 5.249.2.0

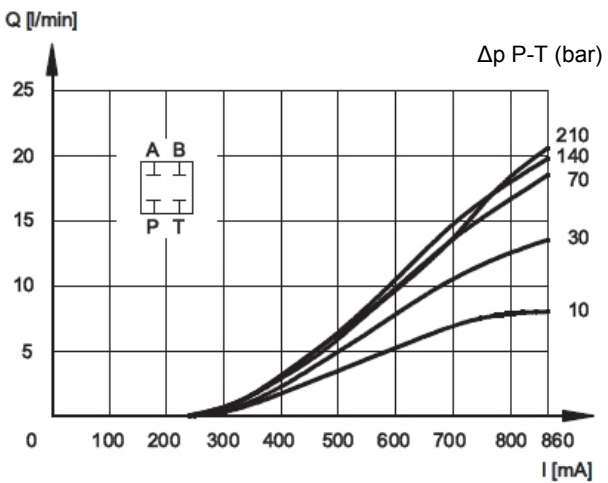
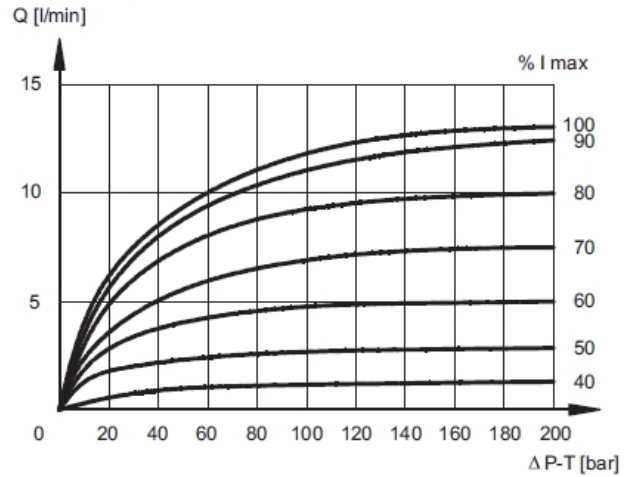
### SPECIFICATIONS

Operating pressure:	ports P,A,B max. 350 bar port T max. 140 bar
Nominal flow:	max. 40 l/min
Hysteresis:	(in % of Qmax): < 6%
Repeat accuracy:	(in % of Qmax) < +/- 1,5%
Switch-on time:	(0-100%)50 ms
Switch-off time:	(100-0%)40 ms
Media operating temp.range:	-20°C up to +80°C
Ambient temperature range:	-20°C up to +50°C
Hydraulic fluid:	Hydraulic fluid to DIN 51524 part 1 a. 2
Viscosity range:	10 mm <sup>2</sup> /s up to 420 mm <sup>2</sup> /s
Filtration:	Class 18/16/13 up to 19/17/14 according to ISO4406
Supply voltage:	DC voltage
Nominal current:	1,88 A at 12V DC 0,86 A at 24V DC
Resistance at 20°C:	3,66 Ohm at 12V DC 17,6 Ohm at 24V DC
Coil duty rating:	100% (continuous)
IP rating:	IP65
Installation:	no orientation restrictions
Hint:	Vent system and valve before setting in motion
Hole pattern:	ISO4401-03-02-0-05 CETOP 4.2-4-03-350
Weight:	2 kg

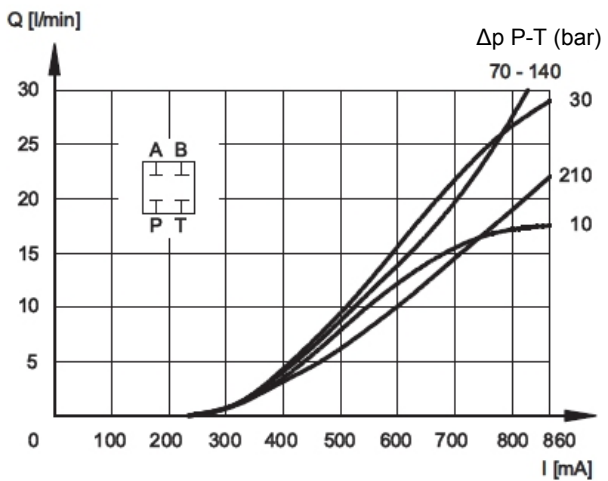
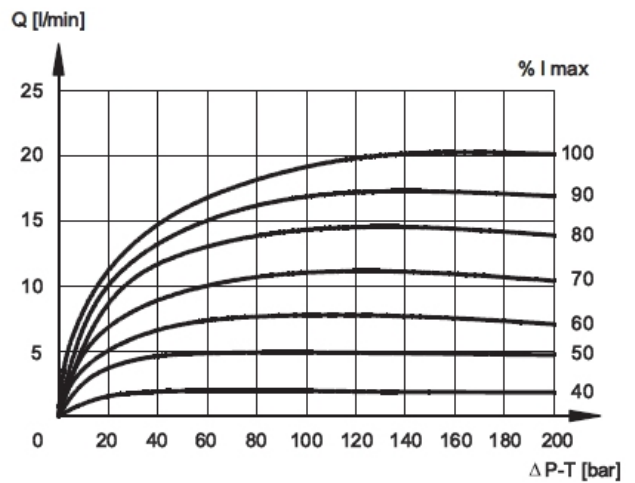
**PERFORMANCE** measured at  $v = 33 \text{ mm}^2/\text{s}$  and  $T_{\text{oil}} = 46^\circ \text{ C}$   
 (The related  $\Delta p$  is measured between lines P and T of the valve)



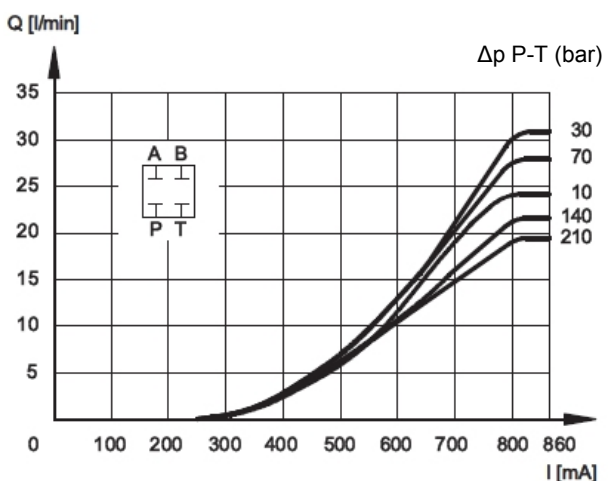
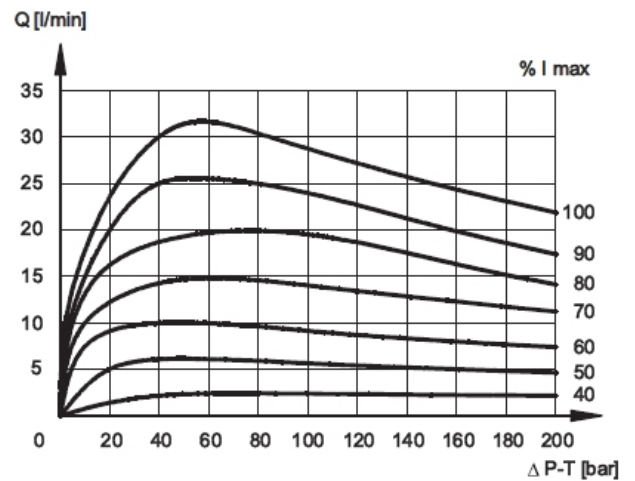
**E04**



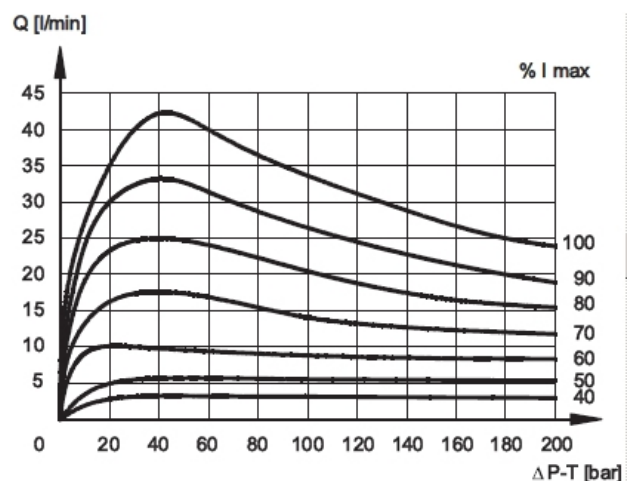
**E08**



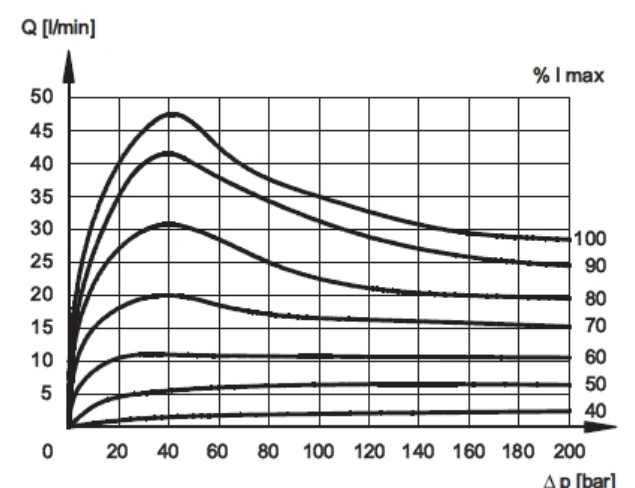
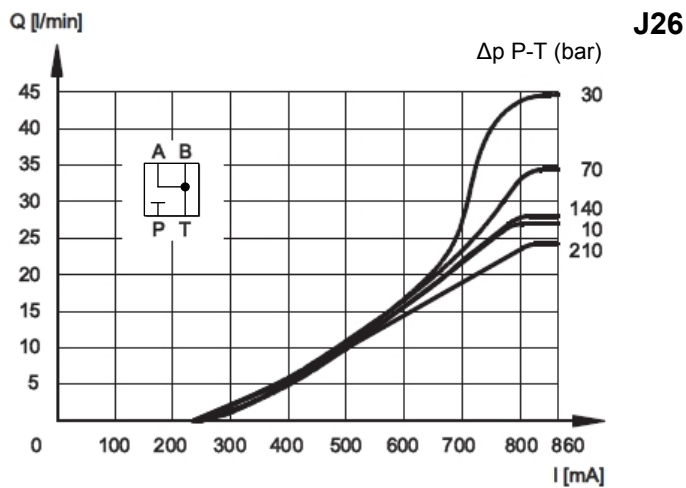
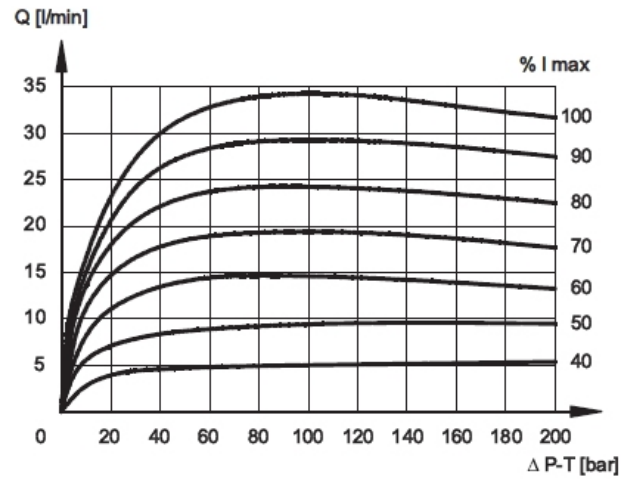
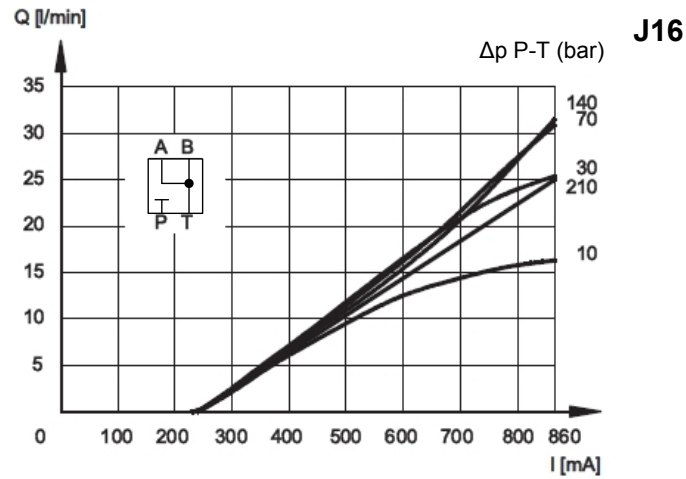
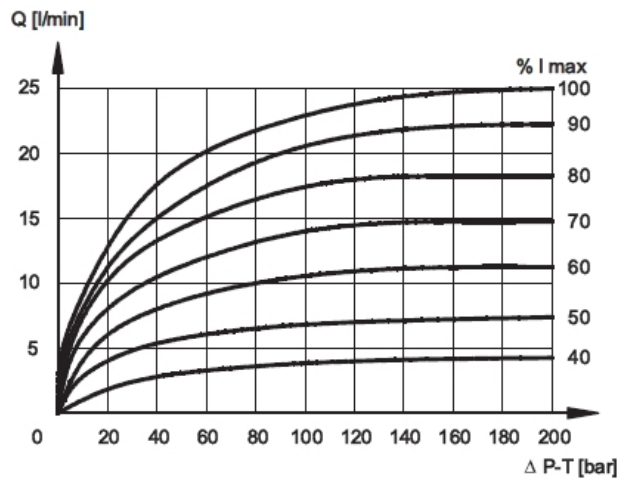
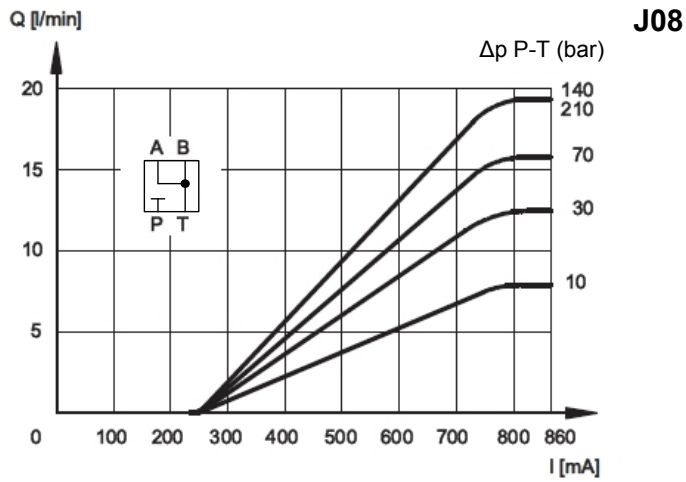
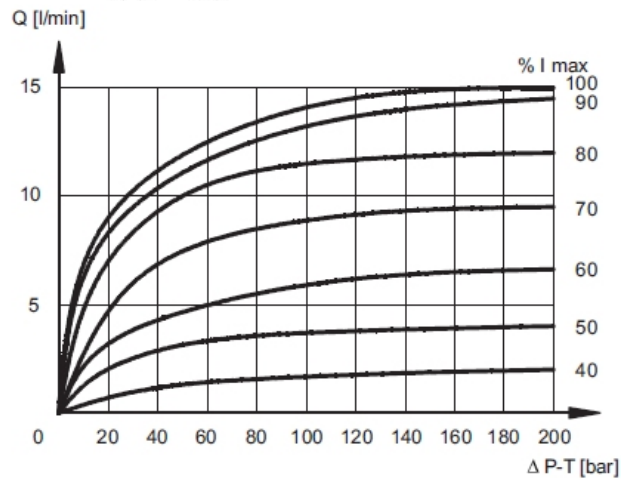
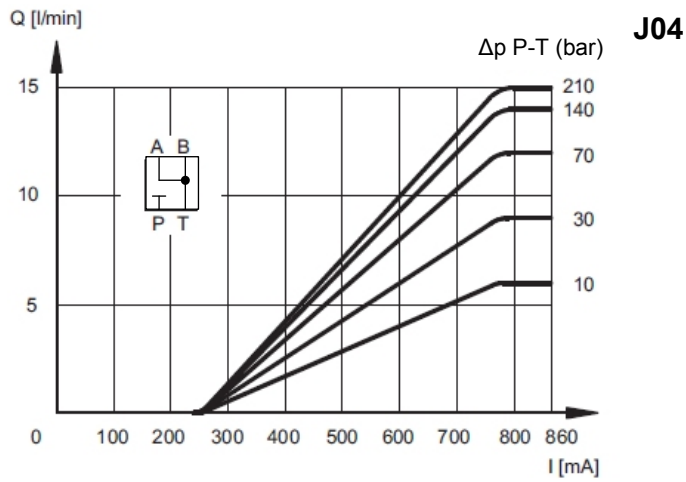
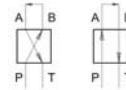
**E16**



**E26**



**PERFORMANCE** measured at  $v = 33 \text{ mm}^2/\text{s}$  and  $T_{\text{oil}} = 46^\circ \text{ C}$   
 (The related  $\Delta p$  is measured between lines P and T of the valve)

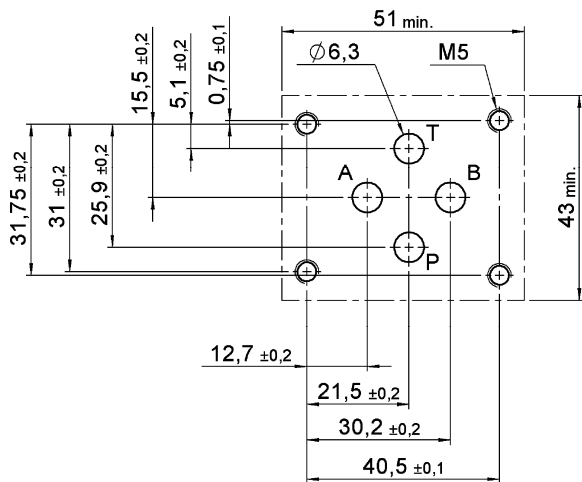


Standard models	Part No.
P4WE 06 E04 D01-24PG/V	6078942
P4WE 06 E08 D01-24PG/V	6078944
P4WE 06 E16 D01-24PG/V	6078946
P4WE 06 E26 D01-24PG/V	6078948

P4WE 06 J04 D01-24PG/V	6078950
P4WE 06 J08 D01-24PG/V	6078952
P4WE 06 J16 D01-24PG/V	6078954
P4WE 06 J26 D01-24PG/V	6078956

Other types on request

### Hole pattern to ISO 4401-03-02-0-05

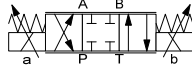
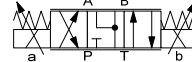


### MODEL CODE

**P4WE 06 E16 D01 - 24PG**

**/V** \_\_\_\_\_  
**Name** \_\_\_\_\_  
 Proportional solenoid valve

**Nominal size** \_\_\_\_\_  
 6

**Symbol** \_\_\_\_\_  
 E   
 J 

**Nominal flow** \_\_\_\_\_  
 04= 4 l/min  
 08= 8 l/min  
 16= 16 l/min  
 26= 26 l/min  
 At  $\Delta p=10$  bar P-T

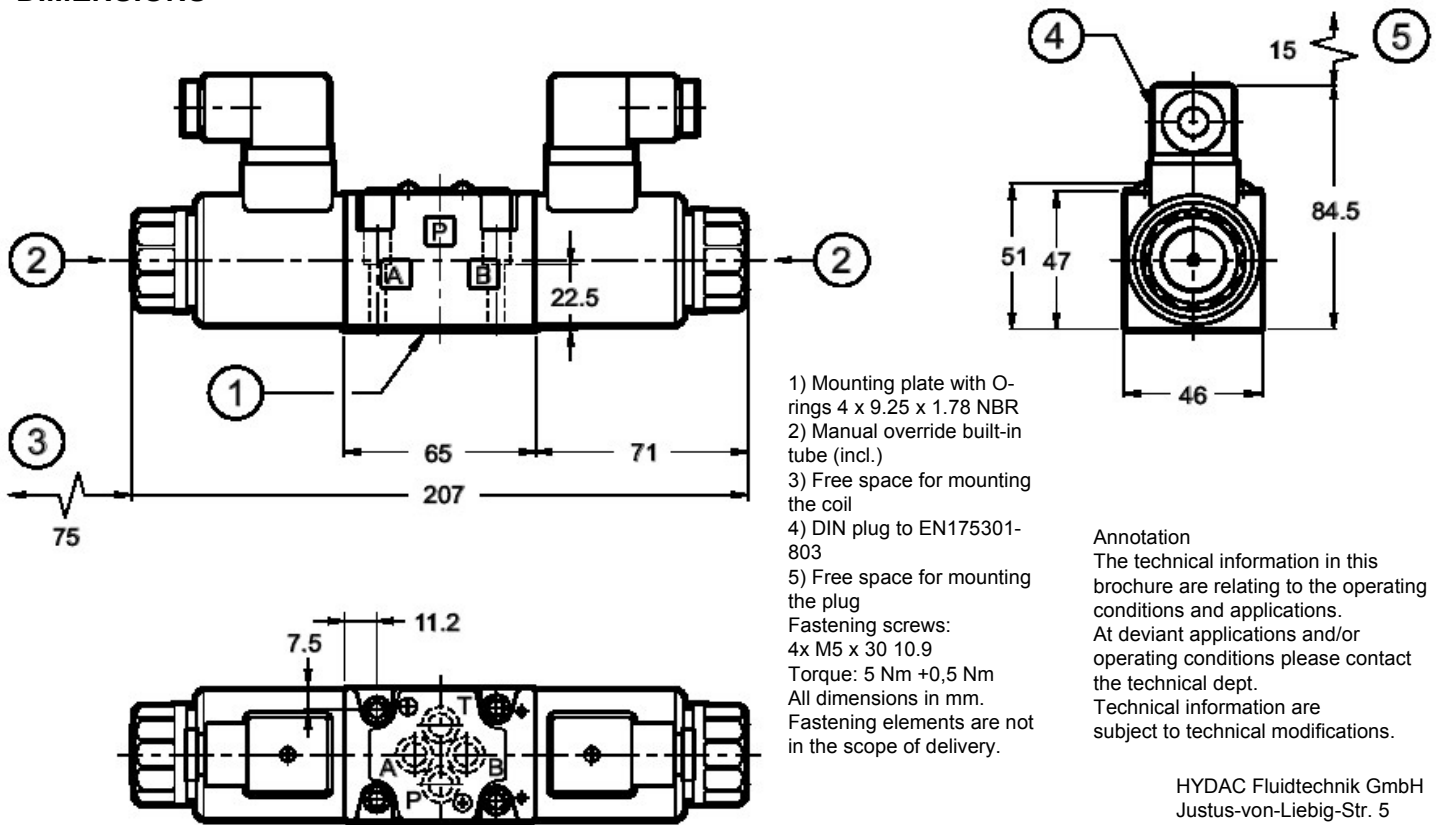
**Type** \_\_\_\_\_  
 D01= Standard type with manual override

**Nominal voltage** \_\_\_\_\_  
 12= 12 V DC  
 24= 24 V DC

**Coil connector** \_\_\_\_\_  
 PG= DIN plug to EN175301-803

**Seal material** \_\_\_\_\_  
 V= FPM (Standard)  
 N= NBR (optional)

### DIMENSIONS



- 1) Mounting plate with O-rings 4 x 9.25 x 1.78 NBR
  - 2) Manual override built-in tube (incl.)
  - 3) Free space for mounting the coil
  - 4) DIN plug to EN175301-803
  - 5) Free space for mounting the plug
- Fastening screws:  
 4x M5 x 30 10.9  
 Torque: 5 Nm +0,5 Nm  
 All dimensions in mm.  
 Fastening elements are not in the scope of delivery.

**Annotation**  
 The technical information in this brochure are relating to the operating conditions and applications.  
 At deviant applications and/or operating conditions please contact the technical dept.  
 Technical information are subject to technical modifications.

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