

Solenoid poppet valve cartridge
2/2-way version

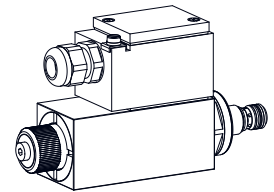
- direct operated
- $Q_{max} = 6 \text{ l/min}$
- $p_{max} = 250 \text{ bar}$

M18x1,5
 ISO 7789

 Ex ia I Ma
 Ex ia II C T5/T6 Ga


II 1 G Ex ia II C T6, T5

I M1 Ex ia I Ma


CERTIFICATES

in accordance with	Surface	Mining
ATEX	x	x
IECEX	x	x

 The certificates can be found on www.wandfluh.com / DOWNLOADS / Accompanying documents Ex-proof / **M.Z45**
TYPE CODE

S D Z PM18 - - / #

Poppet valve						
Direct operated						
Explosion proof solenoid Ex ia						
Screw-in cartridge M18x1,5						
2/2-way, «normally closed»				<input type="text" value="BA"/>		
2/2-way, «normally open»				<input type="text" value="AB"/>		
Coil resistance	100 Ω	<input type="text" value="100"/>				
	152 Ω	<input type="text" value="152"/>				
Equipment group II (Surface)		<input type="text" value="/ T6"/>				
I (Mining)		<input type="text" value="- M233"/>				
				only in combination with coil resistance 100 Ω		
Design-Index (Subject to change)						

SPECIFICATIONS

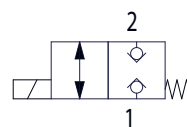
Technical safety limit values	Equipment group	I	II
U_i		30 V	30 V
I_i		2,5 A	0,8 A
P_i			3 W
L_i		0mH	0mH
C_i		0nF	0nF

The inductance and capacitance of the solenoid coils are made ineffective.

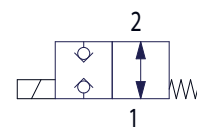
Further electrical specifications see data sheet 1.1-185 (M.Z45)

SYMBOLS

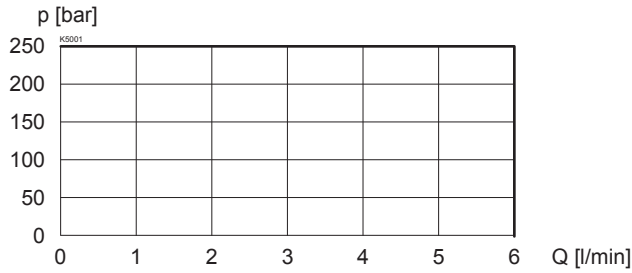
SDZPM18 - BA...



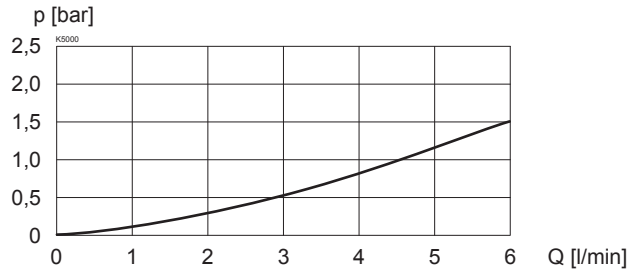
SDZPM18 - AB...



$p = f(Q)$ Performance limits $P \geq 0,60W$ (90 mA, 100 Ω)

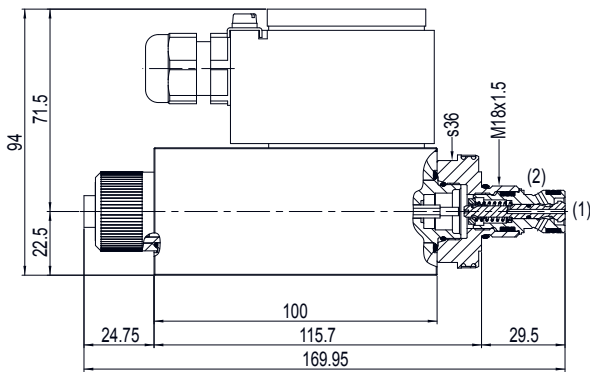


$\Delta p = f(Q)$ Pressure-loss volume flow characteristics



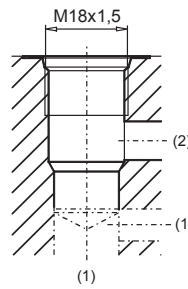
DIMENSIONS/SECTIONAL DRAWING

2/2-way version, «normally closed» [BA]



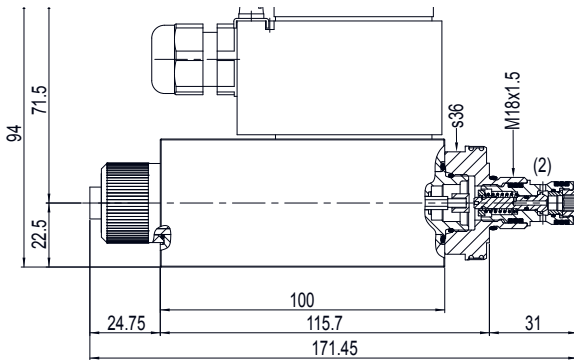
CAVITY

Cavity drawing
ISO 7789-18-01-0



For detailed cavity drawing and cavity tools
see data sheet 2.13-1002

2/2-way version, «normally open» [AB]



Dimension of the solenoid coils see data sheet 1.1-185