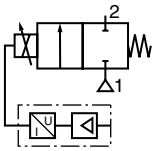
PROPORTIONAL SOLENOID VALVE
PRECIFLOW 12,7 mm
direct operated, pad mount

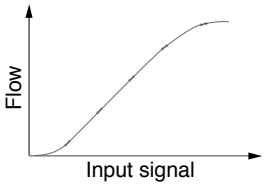
NC



2/2
Series
202

FEATURES

- *Low hysteresis*
- *Variable flow, proportional to the control signal*
- *Valves do not require a minimum operating pressure.*
- *Suitable for vacuum operation.*
- *Solenoid valves satisfy all relevant EC directives.*
- *RoHS compliant.*



GENERAL

Differential pressure See "Specifications" [1 bar =100 kPa]
Pneumatic base (subbase mount) Refer to the dimensional drawings on the following page.

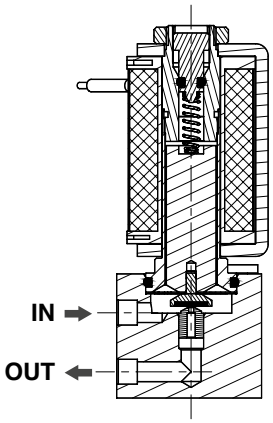
fluids (✳)	temperature range (TS)	seal materials (✳)
Air, oxygen, inert gas (1)	0°C to + 55°C	FPM / FFPM

(1) Filtration: 5 µm

MATERIALS IN CONTACT WITH FLUID

(✳) Ensure that the compatibility of the fluids in contact with the materials is verified.

Body Brass
Core tube Brass
Core and plugnut Stainless steel
Springs Stainless steel
Seat Stainless steel
Seals FPM / FFPM
Other materials on request.



ELECTRICAL CHARACTERISTICS

Coil insulation class F
Connector Cable ends AWG 24; L = 500mm
Electrical safety IEC 335
Electrical enclosure protection IP50
Standard voltages DC (=) : 6V/12V/24V

Voltage	max. operating current	power ratings				operator ambient temperature ranges (TS)
		inrush ~	holding ~		hot/cold =	
(V)=	(mA)	(VA)	(VA)	(W)	(W)	(C°)
6	170	-	-	-	1	0 to + 55
	420				2,5	
12	85				1	
	210				2,5	
24	45				1	
	110				2,5	

Voltage regulation 0-6 V DC; 0-12 V DC; 0-24 V DC
6V/12V/24V DC pulse-width modulated (>1000Hz)

Flow regulation characteristics Hysteresis typ. 5%; repeatability typ. 1%; sensitivity typ. 0,1%

SPECIFICATIONS

orifice size	flow coefficient Kv		operating pressure differential (bar)		power coil (W)	catalogue number
(mm)	Kv (m³/h)	kv (l/min)	min.	max.	=	pad mount version
0,045	0,00006	0,001	-0,9	10	1	R202A540L0XXXXX
0,07	0,00012	0,002	-0,9	10	1	R202A541L0XXXXX
0,1	0,0003	0,005	-0,9	10	1	R202A542L0XXXXX
0,2	0,0012	0,02	-0,9	10	1	R202A543L0XXXXX
0,4	0,0048	0,08	-0,9	10	2,5	R202A544L0XXXXX
0,6	0,0096	0,16	-0,9	10	2,5	R202A545L0XXXXX
0,8	0,018	0,3	-0,9	10	2,5	R202A546L0XXXXX

ORDERING

15-DIGIT PRODUCT CODE

R202A540	L0	XXX	XX

catalogue number
(see table "SPECIFICATIONS")

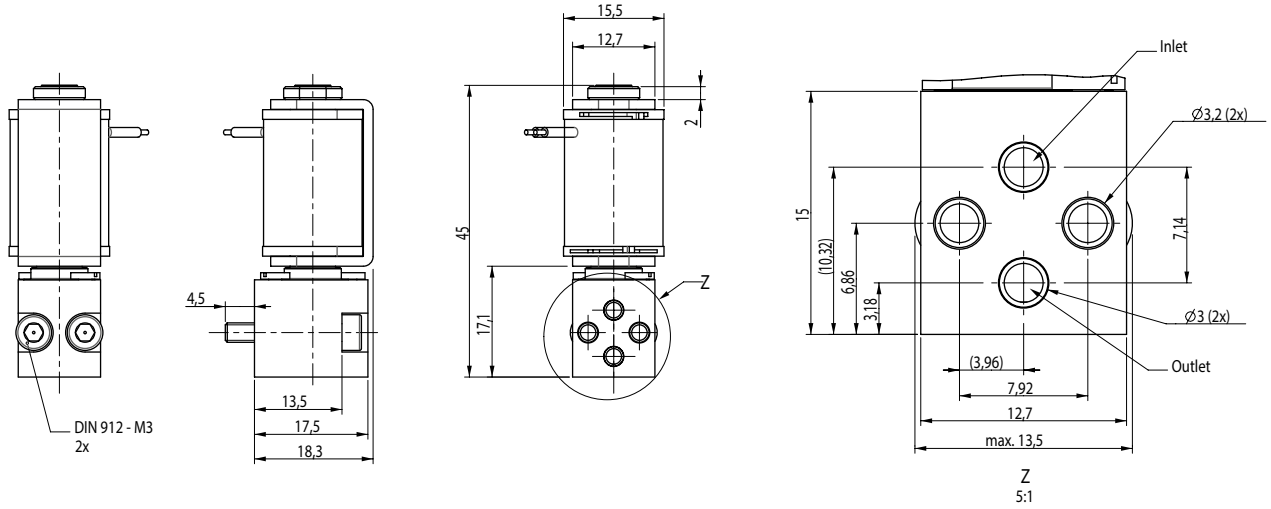
Connector

Voltage
E7 = 6VDC
F3 = 12VDC
F1 = 24VDC

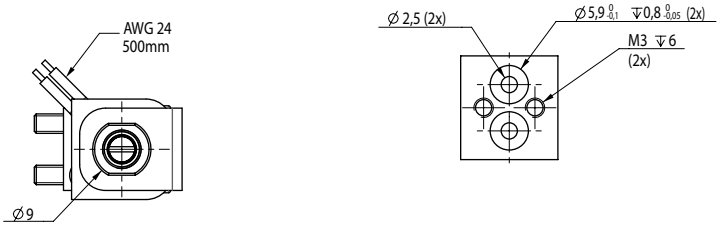
Seal materials
V00 = FPM
100 = FFPM

ORDERING EXAMPLE: R202A542L0V00F1 = 2-way NC (normally closed), orifice size 0,1 mm, pad mount version width 12,7 mm, with cable ends L=500 mm, FPM seal, 24 VDC

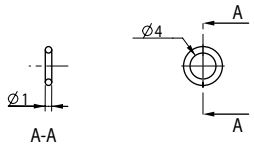
DIMENSIONS (mm)



Mounting pattern



Sealing (optional)



OPTIONS

- Digital control module CONTROL^{D} for DIN EN 50022 rail mounting
  - Used as a current regulator in open loop applications
  - Used with an external sensor for closed-loop applications
- Stainless steel version available on request.
- Other seal materials on request.
- Other voltages on request.
- Subbase with M5 connections and O-ring seals available on request.
- Sealing FFPM: 514684-002 , FPM: 514684-001 (minimum order quantity required).

INSTALLATION

- The solenoid valves can be mounted in any position without affecting operation.