

8493571 Purge valve

- Port size:
P = G 1/4
Regulator + Filter G 1/8
- High flow rate
- Powerful burst of air
- Compact design
- Cleaning time adjustable
- for use with a differential pressure regulator
- International approvals



Technical features

Medium:
Air

Flow direction:
Determined

Fluid temperature:
–10 ... +80°C (+14 ... +176°F)

Materials:
Body: Brass
Seat seal: NBR, reinforced fabric diaphragm

Switching function:
Normally closed

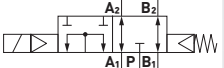
Operating pressure:
2 ... 8 bar (29 ... 116 psi)

Ambient temperature:
–10 ... +55°C (+14 ... +131°F)

Operation:
Indirectly solenoid actuated

Mounting:
Optional, preferably solenoid vertical on top

Technical data – standard models

Symbol	Port size P	Regulator port	Filter port	Operating pressure (bar)	Differential pressure between measuring lines (bar)	Pulse duration (sec)	Interval (sec/min)	Model
	G1/4	G1/8	G1/8	2 ... 8	max. 0,2	0,05 ... 10	17 ... 120	8493571.8821.xxxxx

xxxxx Please insert voltage and frequency codes

Option selector

8493571.8821.★★★★★

Frequency	Substitute
See table frequency codes	xx
Voltage	Substitute
See voltage codes	xxx

Standard solenoid systems

Voltage and Frequency Solenoid 8821					
Code Voltage	Code Frequency	Voltage	Frequency	Power consumption	
				Inrush	Holding
024	00	24 V d.c.	-	10 W	10 W
110	50	110 V a.c.	50 Hz	11 VA	11 VA
120	60	120 V a.c.	60 Hz	11 VA	11 VA
230	50	230 V a.c.	50 Hz	50 VA	24 VA
230	60	230 V a.c.	50 Hz	50 VA	24 VA

Further versions on request!

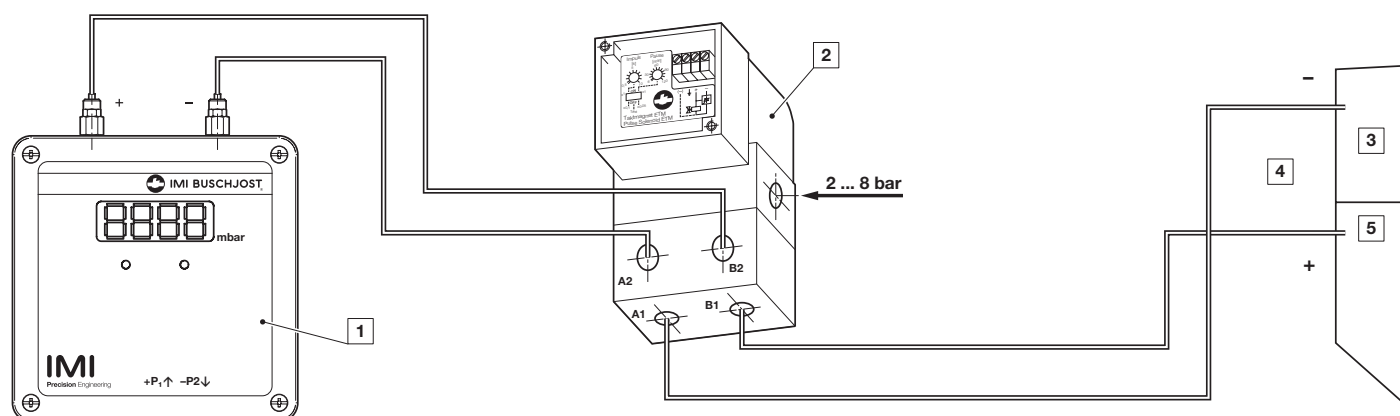
Electrical details for all solenoid systems

Design	DIN VDE 0580
Voltage range	±10%
Duty cycle	100% ED
Protection class	EN 60529 IP65

At operating state temperature the input power of a coil decreases by up to ca. 30% due to physical reasons.

Wiring

Length of line between Differential pressure regulator/Purge valve:
min. 1 m/max. 3 m

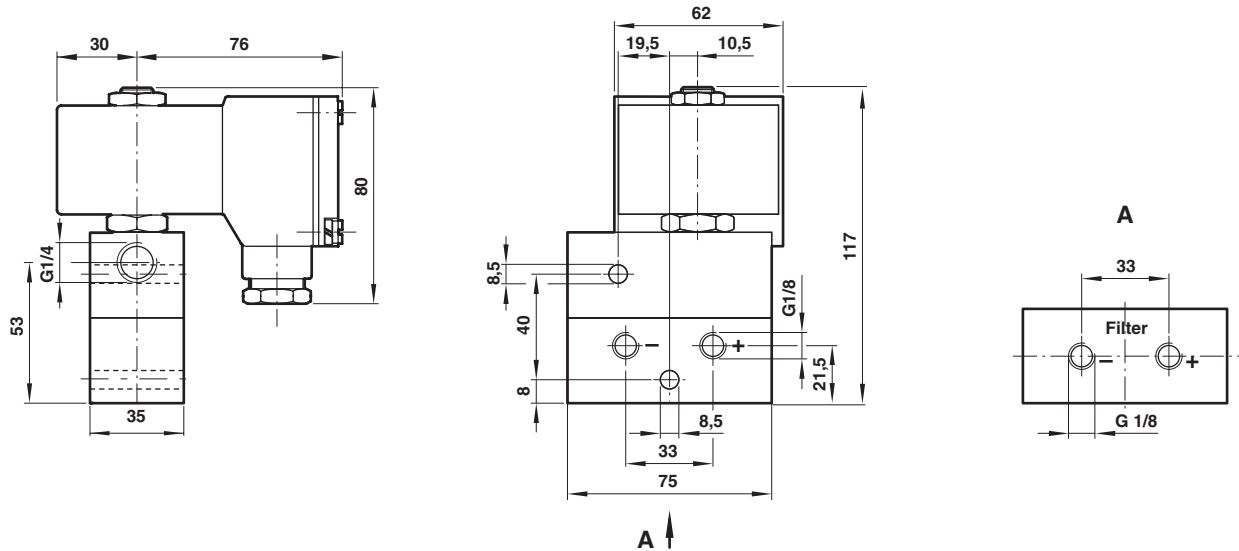


Length of line between Purge valve/Filter: max. 10 m

- 1 Differential pressure regulator
- 2 Purge valve
- 3 Clean gas
- 4 Filter
- 5 Dusty gas

Dimensions

Dimensions in mm
Projection/first angle



Operation

In filter systems coping with high dust levels the measuring lines to the differential pressure regulator can become blocked. The purge valve enables you to avoid this. Both measuring lines are cleared by short blasts of compressed air controlled by the solenoid valve.

The dusty and clean air lines routed via the purge valve to the differential pressure regulator. The cleaning air is supplied via port P.

With short pulses and long intervals the pulse solenoid controls the valve which admits cleaning air into both measuring lines. Prior to the blast of air both measuring lines to the differential pressure regulator are safely shut off by nozzles that can be switched. The measuring line is only opened after the pressure has been reduced. The differential pressure regulator's display remains unchanged during the cleaning process.