

Purge Valve



for use with differential pressure regulator
in dust filter systems

Publication 7501550.06.04.96
Catalogue index
A 20

Description (standard valve)

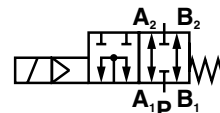
Solenoid valve for purging measuring lines.
Incorporates electronic pulse control unit.

Flow direction:	fixed
Fluid temperature:	max +80°C
Ambient temperature:	max +55°C
Sum of fluid and ambient temperature:	max +100°C
Mounting position:	optional, preferably with solenoid upright
Material body:	brass
seat seal:	NBR reinforced fabric diaphragm



Features

- High flow rate
- Powerful burst of air
- Compact design
- Cleaning time adjustable



Characteristic data

Port P:	G 1/4
Regulator port:	G 1/8
Filter port:	G 1/8
Operating pressure:	2 to 8 bar
Differential pressure between Measuring lines:	max 0.2 bar
Pulse duration:	0.5 to 10 s
Interval:	10 to 120 min
Cat no:	8493571.8803.23050

Solenoid

ETM pulse solenoid cat no:	8803. 23050
Power supply:	230 V 50 Hz
Design to:	VDE 0580
Protection system to:	EN 60529 IP 65 (previous DIN 40 050)
Power consumption:	Inrush 50 VA Holding 24 VA

Available on request Models with different solenoids

Detailed technical data for: ETM pulse solenoid see Publication 7501505. XXXX
Electronic differential pressure regulator, see Publication 7500962. XXXX

IMI Norgren Buschjost GmbH + Co. KG

PO Box 10 02 52-53
D-32502 Bad Oeynhausen

Tel +49 (0) 57 31 79 10
Fax +49 (0) 57 31 79 11 79

<http://www.buschjost.com>
e-mail:mail@buschjost.de

Wiring

Length of line between:

DPR/

Purge valve

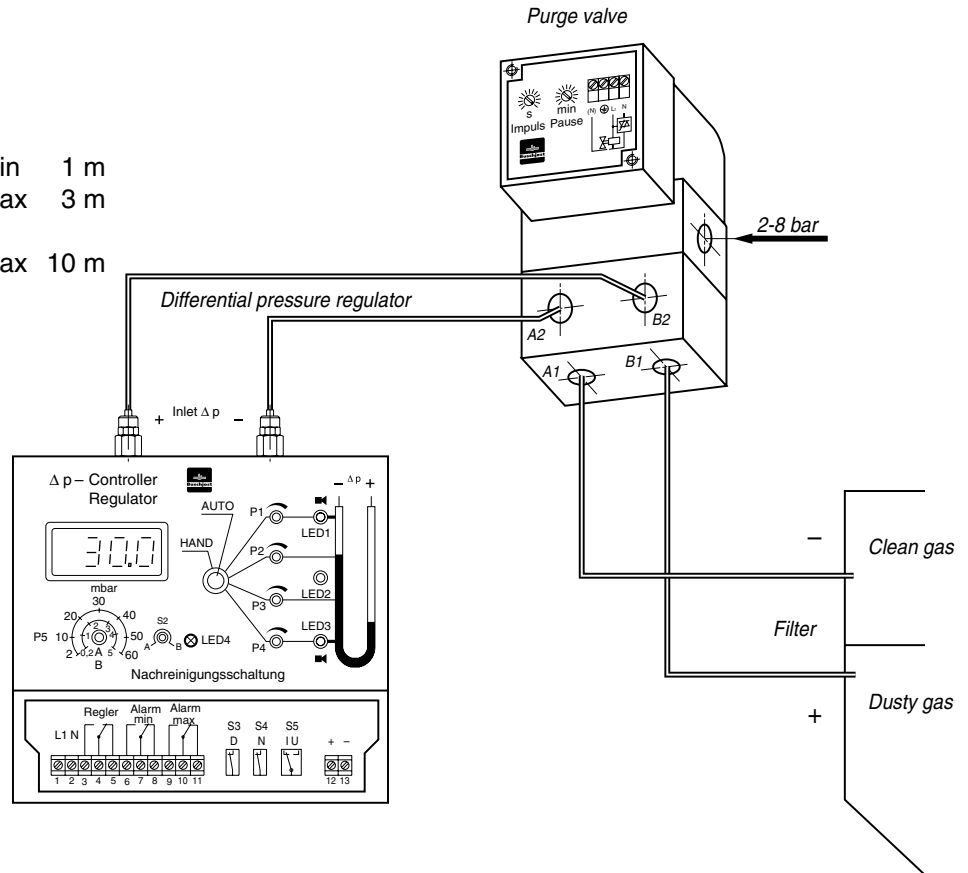
min 1 m

max 3 m

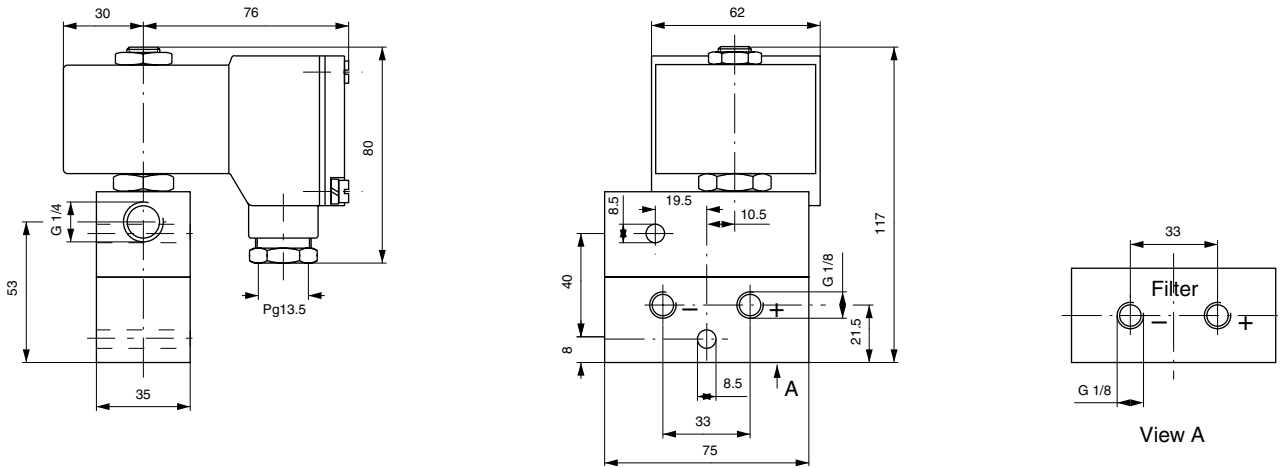
Purge valve/

Filter

max 10 m



Dimensions



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.