

**DESCRIPTION**

**MPS PR 1/4"**

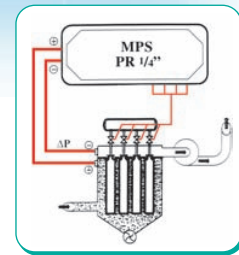
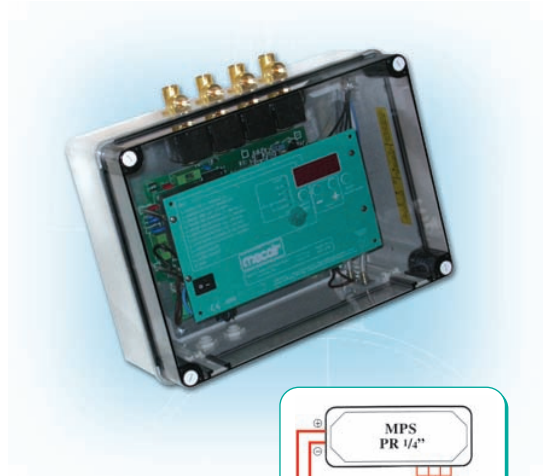
The Model **MPS PR1/4"** - 24/DC" economiser is an integrated model which incorporates the remote pilot valves, model PR1/4", which can be pneumatically connected to the diaphragm valves type "VEM" rather than with electrical connections.

This version has been designed to guarantee the control of diaphragm valves mounted on pulse jet dust collector filters containing filter bags or cartridges.

All the technical characteristics comply with the CE Directive. The MPS-PR1/4" conforms to the European Directive (89/336 EEC and 93/68 EEC).

*Upon request it is possible to supply the unit in accordance to the European Directive EC/94/9 ATEX, ATEX II 3D (zone 22).*

The pilots are mounted within the enclosure, are pre-wired and have a 1/4" gas female thread to be used for the pneumatic connections between the remote pilot and the diaphragm valve. The MPSPR1/4" is available from a minimum of 2 pilot valves to a maximum of 16 pilot valves mounted within the enclosure.



**MAIN FEATURES**

- Automatic start up of cleaning cycle according to set DP
- Remote Pilot valves(Brass) pre-wired in enclosure complete with electronic economiser controller
- PRECOATING function for new filters or filters equipped with new filtering elements
- Operates in MANUAL or AUTOMATIC( $\Delta P$ ) mode
- SHUT DOWN CLEANING with selectable number of cleaning cycles
- REMOTE function
- ALARM contact enabling connection to external alarms
- HOUR COUNTER
- DP value playback (option)
- 4 - 20 mA  $\Delta P$  output (optional)

**GENERAL CHARACTERISTICS**

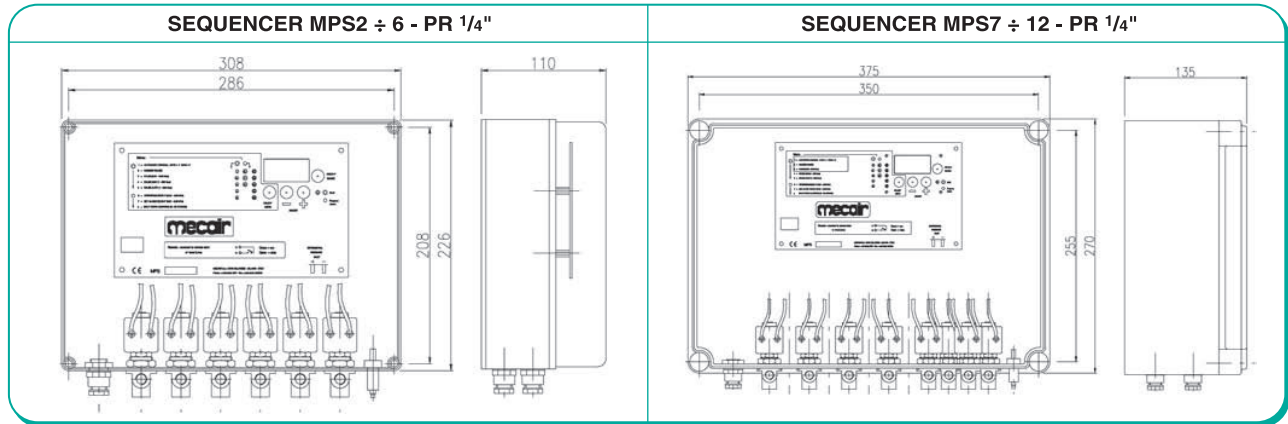
Fluid	Air dry and oil free
Air inlet	1/4" Gas
Operating pressure	Da 0,5 a 7,5 bar
Exhaust	1/8" Gas

**CONSTRUCTIVE CHARACTERISTICS**

Pilot body	Brass
Pilot	Brass
Lock nut	Zinc plated
O-Ring	NBR

**DIMENSIONS**

**MPS PR 1/4"**



**TECHNICAL CHARACTERISTICS**

TECHNICAL CHARACTERISTICS	
Enclosure	ABS grey - transparent cover
Protection rating	IP65
Connections	Terminal blocks - max.section 2,5 mm <sup>2</sup>
Temperature	Storage: -20°C / +80°C Operation: -10°C / +50°C, with duty cycle (intermittent) 30%
Power Inlet	Standard: 115/230 V AC (±10%), 50/60 Hz Optional: 24/48 V AC (±10%), 50/60 Hz (Selectable via jumpers)
Absorbed power	Without outlet: 25 V A - 20 W
Relay	2 A - 250 V AC
Main fuse	500 mA - delayed 115 V / 230      2 A delayed 24/48 V
Pulse time	0,01 ÷ 9,99 sec.
Pause time in manual	1 ÷ 999 sec.
Pause time in automatic	1 ÷ 999 sec.
Operating ΔP	0,01 ÷ 2,50 kPa
Set alarm ΔP	0,01 ÷ 2,50 kPa
Shut down cleaning	0 ÷ 99 cycles
Remote control	To be operated from a non-powered external contact (normally open).
ΔP precoating	0,01 ÷ 2,49 kPa
Hour counter	0 ÷ 65,999 hours