



technische import

Produkt informatie



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PRESSURE REDUCING VALVE WITH DIAPHRAGM MINI PN 16 WITH INCORPORATED FILTER AND COMPENSATED SYSTEM

CONNECTIONS: FEMALE - FEMALE



DESCRIPTION

The pressure reducing valve with diaphragm **MINI PN 16** is an automatic valve that reduces and stabilizes the pressure of a fluid in a water distribution conduit to a preset value. The use of this device is necessary to limit the operating pressure in the pipes for the distribution of water, in cases where there is the possibility that the maximum static pressure, at any point of the water supply system, reaches or exceeds the relative maximum allowable operating pressure. The pressure reducer is also necessary if devices and equipment that can only be operated at a pressure lower than the supply pressure are connected. The filter cartridge inside the reducing valve is designed to separate from the water the foreign particles in suspension such as sand, rust flakes, calcareous fragments, etc. by means of a physical barrier. The dirt transported by water could cause corrosion in the water pipeline and wear down the pressure reducing valves or any other device installed downstream. Further, the compensated seat nullifies the influence that variations in upstream pressure may have on the downstream pressure. The pre-shaped EPDM perox rubber diaphragm with high mechanical strength fabric reinforcement and the use of dynamic anti stick-slip o-rings in EPDM perox rubber allows a precise and long-lasting pressure regulation. The broad internal cavities with high finishing surface have been designed to create a minimum flow resistance, limiting vibrations and load loss. The cavities profile ensures a low noise level even in extreme terms of use. The pressure reducing valve **MINI PN 16** is easy to be disassembled and reassembled for the periodical maintenance, such as cleaning or substitution of the incorporated strainer. The **MINI PN 16** pressure reducing valve with diaphragm is used in air conditioning systems, sanitary installations for water supply, irrigation systems, compressed air (not oil mist) supply systems, water supply for human consumption within buildings, according to EN 806-2, and for fire extinguisher networks. (PS. It should nevertheless be borne in mind that local government standards for fire protection must always be observed.). This product adheres to the standards set forth by the European health authorities for the transport of alimentary fluids and drinking water.

ATTENTION: THE PRESSURE GAUGE INSTALLABLE ON THE PRESSURE REDUCING VALVE INDICATES THE ALREADY-REDUCED PRESSURE (Ps) OF THE OUTGOING LIQUID.

TECHNICAL FEATURES

Pressure:	
maximum allowable working pressure	16 bar
outlet settings (Ps)	1 ÷ 6 bar
Ps value set during testing	3 bar
outlet Ps set tolerance on varying inlet pressure	according to EN 1567
Temperature:	
maximum working temperature (Ts)	0°C (excluding ice) ÷ 80°C
Compatible fluids:	
water	
glycol solutions	glycol max 50%
compressed air	(not oil mist)
Threading:	
pipeline connection threads	threading according to ISO 228/1
gauge connection	cylindrical female threading 1/4" according to EN 10226-1
Filtration rating:	
referenced filtering capacity (S)	< 500 µm
Tests and inspections:	
according to EN 1567	

DESIGN

Body	nickel-plated brass
Bonnet	glass fiber reinforced polyamide
Cartridge	resin POM
Filtering Unit	stainless steel
Calibration spring	galvanized steel
Other components	brass
Diaphragm	Perox EPDM rubber, polyamide reinforced
Seat gaskets	Perox EPDM rubber
O-ring washers seal	Perox EPDM rubber

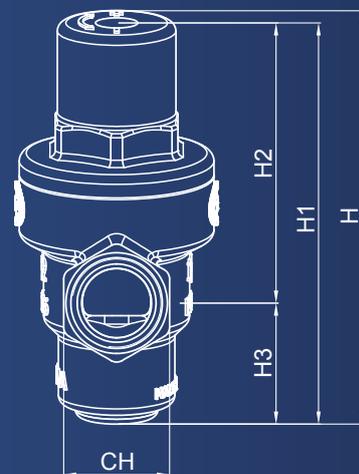
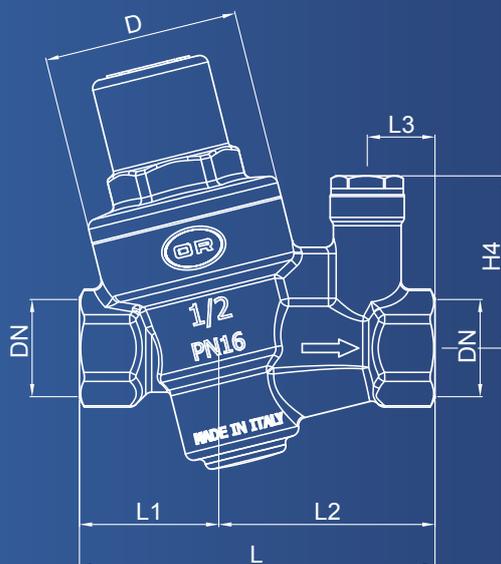
PRODUCT CODES

0218.015	1/2"	FF
0218.020	3/4"	FF

0218 • 1/2" - 3/4"

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WITH INCORPORATED FILTER AND COMPENSATED SYSTEM

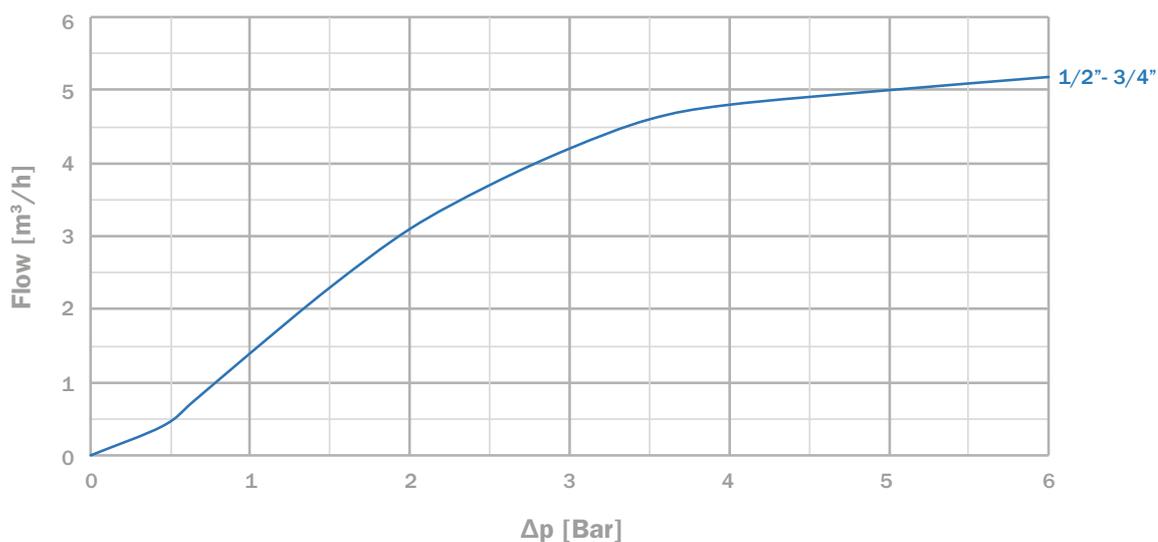
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FEATURES

Code	Dn	D [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	CH [mm]
0218.015	1/2"	46	84	33	51	16	98	96	67	29	41	25
0218.020	3/4"	46	94	38	56	21	98	96	67	29	41	31

FLOW GRAPHIC



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