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PRESSURE REDUCER FOR WATER

With piston operation

Product informations

Automatic valve that reduces and stabilizes the pressure of a fluid inside a distribution pipe according to the pre-set value; the use of this hydraulic device is necessary if the maximum possible pressure at any point of the water supply system can reach or exceed the relative maximum permissible operating pressure.

Product features

- suitable for water supply systems both outside and inside buildings
- the internal piston structure in loaded thermoplastic material guarantees rigidity, resistance and high adjustment precision, thanks to the compensated seat
- its gaskets with a low coefficient of static friction guarantee resistance to wear and limited maintenance interventions
- the internal finish of the body and the increased dimensions of the passages allow to obtain high flow rates even with small water withdrawals
- it can be installed on sanitary systems for water supply, irrigation systems, compressed air distribution systems (no nebulized oils) and on pipes for firefighting services
- suitable for transporting food fluids and drinking water (meets the specific requirements of the Ministry of Health)
- connection with female-female union included

Technical Features


Pressure Reducer for Water

| <i>SKU 70101</i> | |
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| <i>MAX UPSTREAM PRESSURE</i> | 40 BAR |
| <i>MAXIMUM REDUCTION SETTING</i> | 2,5 |
| <i>DOWNSTREAM SETTING RANGE</i> | 1 ÷ 6 BAR |
| <i>CONNECTIONS</i> | 1/2" |
| <i>MAX WORKING TEMPERATURE</i> | 90°C |
| <i>WORKING FLUID</i> | WATER |
| <i>REDUCER MATERIALS</i> | <ul style="list-style-type: none"> • BODY: BRASS CW617N UNI EN 12165 • INTERNAL COMPONENTS: CW614N UNI EN 12164 • SEALS: NBR • SPRING: STAINLESS STEEL • PRESSURE GAUGE PLUGS: PA 66 |
| <i>PRESSURE GAUGE CONNECTION</i> | 1/4" REAR CONNECTION |
| <i>PRESSURE GAUGE DIAMETER</i> | Ø 63 MM |
| <i>MANOMETER MATERIALS</i> | <ul style="list-style-type: none"> • CASE: BLACK ABS • TRANSPARENT: PLASTIC • QUADRANT: WHITE PLASTIC • STEM: BRASS • GAUGE ELEMENT: BOURDON-TYPE SPRING IN COPPER ALLOY • MOVEMENT: COPPER ALLOY |

| <i>SKU 70102 / 70103 / 70104 / 70105 / 70106</i> | |
|--|---|
| <i>MAXIMUM WORKING PRESSURE</i> | 25 BAR |
| <i>REGULATION RANGE</i> | FROM 1 TO 5,5 BAR (VALUE SET DURING TESTING: 3 BAR) |
| <i>WORKING TEMPERATURE</i> | 0°C (EXCLUDING FROST) ÷ 130°C |


Pressure Reducer for Water

SKU 70102 / 70103 / 70104 / 70105 / 70106

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| COMPATIBLE FLUIDS | <ul style="list-style-type: none"> • WATER • GLYCOL SOLUTIONS (GLYCOL 50%) • COMPRESSED AIR |
| CONNECTIONS | <ul style="list-style-type: none"> • 3/4" FF - SKU 70102 • 1" FF - SKU 70103 • 1"1/4 FF - SKU 70104 • 1"1/2 FF - SKU 70105 • 2" FF - SKU 70106 |
| PRESSURE GAUGE CONNECTION | EN 10226-RP1/4" (EX ISO7/1) |
| MATERIAL | <ul style="list-style-type: none"> • BODY: BRASS EN12165-CW617N • SCREWS: EN12165-CW617N • PISTON: GLASS FIBER REINFORCED POLYAMIDE PA66-GF30 (NYLON 66). • SEAT GASKET: NBR RUBBER • RINGS, O-RINGS, STATIC AND DYNAMIC SEALS: EPDM PEROX RUBBER • SETTING SPRING: GALVANIZED STEEL EN 10270-1 SM |

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| CASE MATERIAL | ABS |
| GLASS MATERIAL | PLASTIC |
| QUADRANT MATERIAL | ABS |
| CLASS | 1,6 |
| MANUAL ELEMENT | COPPER ALLOY SPRING |
| WORKING TEMPERATURE | - 20°C ÷ + 80°C |
| COMPLIANT WITH THE STANDARD | UNI EN 837-1 |
| CONNECTIONS | 1/4" REAR CONNECTION |



Pressure Reducer for Water

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| DIAMETER | Ø 50 MM |
| PRESSURE | 0 ÷ 6 BAR |

| SKU | MODEL | PRICE |
|-------------|---|----------------------|
| 00000070101 | PRESSURE REDUCER - Ø 1/2" FF - COMPLETE WITH PRESSURE GAUGE | €83.15 VAT EXCLUDED |
| 00000070102 | PRESSURE REDUCER - Ø 3/4" FF - COMPLETE WITH PRESSURE GAUGE | €99.9 VAT EXCLUDED |
| 00000070103 | PRESSURE REDUCER - Ø 1" FF - COMPLETE WITH PRESSURE GAUGE | €156.55 VAT EXCLUDED |
| 00000070104 | PRESSURE REDUCER - Ø 1" 1/4 FF - COMPLETE WITH PRESSURE GAUGE | €238.3 VAT EXCLUDED |
| 00000070105 | PRESSURE REDUCER - Ø 1" 1/2 FF - COMPLETE WITH PRESSURE GAUGE | €319.0 VAT EXCLUDED |
| 00000070106 | PRESSURE REDUCER - Ø 2" FF - COMPLETE WITH PRESSURE GAUGE | €404.6 VAT EXCLUDED |

