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ND10 SERIES

PNEUMATIC & HAND VALVES

MRTech Valves



PDF FILE

Description

The 360-420 bar ND10 valves have been designed to replace old on line valves that are no longer maintained such as CPV Manufacturing valves. The 360-420 bar ND10 valves have been strictly designed to work up to 420 bar pressure, and they have been tested and approved at 360 bar (Oxygen adiabatic compression test) by AIR LIQUIDE CTE (Expertise Technological Center).

- On Line Valve.
- Balanced Valve(wheel easy to turn).
- Changeover from manual mode to pneumatic mode : simply changing the actuating unit.
- Full degreasing allowing secured oxygen use.

Working Conditions

- Working Pressure : 360 Bar/420 Bar.
- Working Temperature : Minus 30°C To Plus 80°C.
- Adiabatic Pressure Test : 360 Bar.
- MAWP : 420 Bar.
- Seat : Monel / Peek For H2 & He.
- Tightness : Less Than 10-6 Mbar*L/S.
- Gas Compatibility : Oxygen, Nitrogen, Argon, Co2, Neutral Gases, Acetylen, Hydrogen, Hélium, Corrosive Gases On Request.

Connections

- Connection : stainless steel ends, screwed or welded, or flanges.

Technical Data

- Flow diameter : 10 mm.
- Weight : 2,6 kg (Manual) – 3,3 kg (Pneumatic).
- Length : 105 mm.
- Overall diameter : 125 mm (wheel diameter- Manual)/ 70 mm (Pneumatic).
- Height : 160 mm.
- Body and internal parts material : brass and monel ; stainless steel on request.

Options

- Screwed connection ends : thread & diameter on request.
- Pipe end for welding (3/4 » , 1/2 »).
- Flange for pipe welding (BW/SW – 3/4 »-1/2 »).
- End of motion transmitter (close-open).

