



ND12.7 Series

PNEUMATIC & HAND VALVES

MRTech Valves

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Description

MRTech 700 bar ND12.7 valves are the latest issue of the valves that are used in most of HP gas cylinders filling units in the world. The 420 bar ND12.7 valves have been strictly designed to work up to 700 bar pressure, and they have been tested and approved at 420 bar (Oxygen adiabatic compression test) by AIR LIQUIDE CTE (Expertise Technological Center). These are the unique valves of the market specifically designed for Oxygen filling at 300 bar pressure up to 420 bar.

- On Line Valve.
- Double ring tightness to increase safety.
- Decompression chamber to soften pressure shots.
- Inclined inlet and outlet to improve gas circulation inside the valve.
- Balanced valves : no specific effort is required to handle the valves.
- Incremental valve aperture to prevent flexible hoses and piping from line shock.
- High quality standards of materials, parts and manufacturing which is the guarantee of safety and reliability.
- Easy maintenance.
- Valves can be coupled in block and bleed valves.
- Easy changeover from manual valve to pneumatic valve.

Working Conditions

- Working Pressure : 420 Bar.
- Working Temperature : Minus 30°C To Plus 80°C.
- Adiabatic Pressure Test : 420 Bar.
- MAWP : 700 Bar.
- Seat : Monel / Peek For H2 & He.
- Gas Compatibility : Oxygen, Nitrogen, Argon, Co2, Neutral Gases, Acetylen, Hydrogen, Hélium, Corrosive Gases On Request.

Technical Data

- 2 gas inlets, 2 gas outlets.
- Orientable body : inlet/outlet at 0°/90°/180°.
- Flow diameter : 12.7 mm.
- Weight : 13 kg.
- Length : 280 mm.
- Overall diameter : 128 mm.
- Height : 160 mm.
- Body and internal parts material : brass and monel ; stainless steel on request.

Connections

- Flange connection : brass or stainless steel ends, screwed or welded.

Options

- Flange for pipe welding (BW/SW -1 »- 3/4 »-1/2»
- Blind Flange.
- End of motion transmitter (close-open).

Overall Dimensions (mm)

