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# Factory wholesale 2 Inch Stainless Steel Ball Valve - CP VALVE - DONGYI

## LOW-MAINTENANCE AND ENERGY-SAVING COMPRESSOR OPERATION

Show everything

Use in oxygen and low-temperature applications

Optimized aerodynamics

Plastic valve plates

The CP valve is the latest innovation among the valves. Fields of application include the chemical, petrochemical, pharmaceutical industries, the medical field, the energy sector as well as the electronics industry. Whenever it comes to the compression of industrial gases, the CP valve is the right choice. Additional fields include liquefaction systems for LNG, ethylene, propylene or propane. The CP valve is marked by maximum efficiency and strength. When used to retrofit older compressors, the CP valve increases the economic efficiency of the system.

The aerodynamically profiled valve plate of the CP valve relies on carbon fiber-reinforced plastic materials from research. It assures low maintenance costs and a long service life. Consequential damage from metallic fragments of valve plates are precluded. The valve's innovative features additionally include specially developed springs for maximum dynamic safety and an integrated anti-rotation element. The latter guarantees reliable gripper actuation for opening and closing, even with frequent compressor load changes.

The CP valve is suitable for compressor speeds up to 1800 rpm and is offered in diameters ranging from 79 to 212 mm (3.11 to 8.35 inches). The valve lift is between a minimum of 1 mm (0.04 inch) and a maximum of 2.5 mm (0.1 inch); idle control and continuous control are possible. A wide operating range from -200 to +210°C (-328 to +410°F) at a maximum pressure of 50 bar and a differential pressure of 30 bar allow virtually unlimited use. The economic efficiency of the system is increased by low losses of pressure and low use of primary energy. Energy savings of up to 9 percent over competitive products is possible.

## TECHNICAL DATA

CP Valve from to

Maximum Pressure 50 bar

Pressure Differential 30 bar

Temperature Range -200°C (-328°F) +210 °C (+410°F)

Rotational Speed 1800 rpm

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Product link : <https://www.wzdongyi.com/?p=5675>