
Price Sheet for Single Cylinder Floor Spring - HPV VALVE - DONGYI

FOR MAXIMUM PRESSURES AND DIFFICULT CONDITIONS

Low flow losses

Non-metallic valve ring with superior damping properties

Temperature resistant up to 300°C (572°F)

Show everything

The HPV valve is specifically designed for use under difficult conditions. Whether the use involves chlorine, hydrocarbons, hydrogen, noble gases or methane – the HPV valves satisfy virtually all the requirements of the natural gas, chemical, petrochemical and pharmaceutical industries as well as of the food and electronics industries. The wide range of uses includes reciprocating and diaphragm compressors as well as cooling equipment, for example for cooling the gas of turbo-generators or for mixing gases.

High pressures, operation without added lubrication or high temperatures do not impair the function of the valve. The profiled valve ring made of the carbon-filled, high-temperature-resistant and non-metallic synthetic material polyetherketone (PEK), which has a melting point of higher than 370°C (698°F), allows the valve to be used at an operating temperature as high as 300°C (572°F). The maximum pressure is 800 bar and, depending on the temperature, the differential pressure ranges between 200 and 400 bar.

HPV valves are available in graduated diameters from 19 to 57 mm (0.75 to 2.24 inches) and depending of the model, the valve lift, together with the spring plate produced from wear-resistant spring steel, varies between 0.6 and 2.0 mm (0.02 and 0.08 inches). This makes the robust valves suitable for compressors with rotational speeds of up to 1800 rpm. The material selection and design are based on the higher benefit for the customers.

TECHNICAL DATA

HPV Valve	from	to
Maximum Pressure	800 bar	
Pressure Differential	400 bar	
Temperature Range	-20°C (-4°F)	+300 °C (+572°F)
Rotational Speed	1800 rpm	

Product link : <https://www.wzdongyi.com/?p=6094>