



Valve Kingdom



Facebook

Combination Valve

JT.1005.B.00- JT.1005.B.04

Product Information

General characteristics

General Definition

This combination valve is used to prevent the flow in the place where the medium is allowed to flow in one direction and the flow in the opposite direction is blocked.

Working Principle

A duckbill-shaped top has a slit through the rubber. When the pressure of the container exceeds the design requirements, the valve port opens automatically, and the exhaust gas reduces the excessive pressure in the device to prevent the container or pipeline from being damaged. When the pressure in the container drops to the normal operating pressure, the valve port is automatically closed to avoid exhausting all the gas due to the container's overpressure, which causes waste and production interruption.

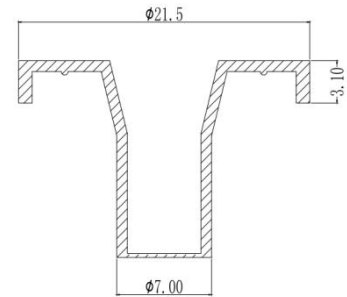
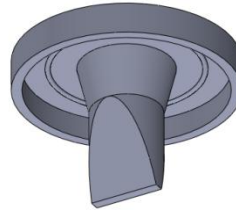
Description of Use

The valve can be used in situations requiring unidirectional or bidirectional exhaust but different pressures.

Design and Assembly

This valve is designed to be a kind Check Valve.

Feature



Mounting Instructions

Mounted by squeezing 15%-20% of valve thickness, please contact Jingteng for Mounting instructions

Product Numbers

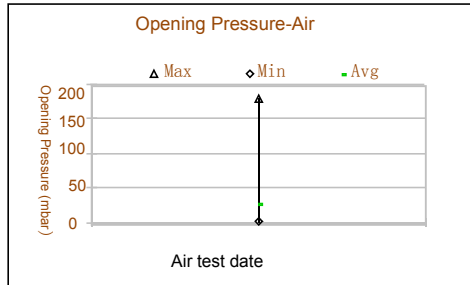
Part Number	Material	Opening Pressure (mbar)	Color	Availability
JT.1005.B.00	FKM	20	Customize	Sample & Lot
JT.1005.B.01	EPDM	20	Customize	Sample & Lot
JT.1005.B.02	FVMQ	20	Customize	Sample & Lot
JT.1005.B.03	NBR	20	Customize	Sample & Lot
JT.1005.B.04	SIL	20	Customize	Sample & Lot

Contact:

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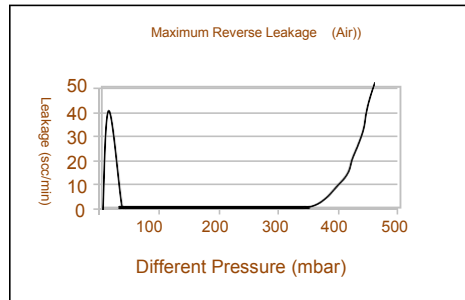
Opening Pressure



Water Test Data
Available On Request

Opening Pressure is defined as the differential pressure at which the forward flow through the valve reaches the flow threshold. Opening Pressure will increase as the flow threshold is increased, and will decrease as the threshold is decreased.

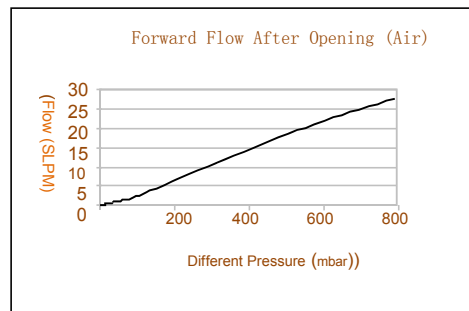
Reverse Leakage



Water Test Data
Available On Request

Leakage, or flow in the reverse direction, is measured while increasing the back pressure across the valve, starting from zero. Please note that leakage graph is on a different scale from those of flow.

Forward Flow



Water Test Data
Available On Request

Flow and differential pressure are measured simultaneously while increasing the inlet pressure, starting from zero. After reaching a maximum flow, the pressure is reduced to zero while measuring flow and differential pressure. The chart shows the minimum and maximum flows measured during the tests of multiple samples at each pressure.

For Conversion Purposes: 1 mbar = 1 hPa »1 cm of water

Disclaimer: Product performance is performed under Jingteng laboratory conditions and is only relevant to tested samples. The test data in this document is for general reference only. For specific media and temperature conditions, please contact Jingteng.

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