Valve Kingdom

Facebook

Combination Valve

JT.1023.E.00- JT.1023.E.04

Product Information

General characteristics

General Definition

This combination valve is used where the medium is allowed to flow in one direction and the flow is blocked in the opposite direction,act as a check valve.At the same time, under certain pressure conditions, the medium can also flow in the opposite direction to play a pressure relief role.

Working Principle

Duckbill shaped top with a slit through the rubber,allows fluid to pass freely when the valve is in a positive pressure differential;Duckbill opening closure prevents backflow at negative pressure differentials,at the same time when the negative pressure reaches a specific pressure, the umbrella opens,the fluid flows out and acts as a pressure relief

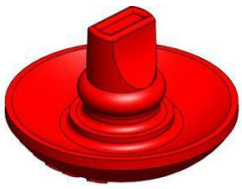
Description of Use

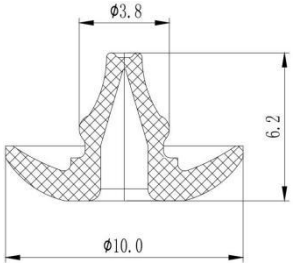
The valve can be used in situations requiring unidirectional or bidirectional exhaust but different pressures.

Design and Assembly

The valve can be used in situations requiring unidirectional or bidirectional exhaust but different pressures.This design replaces two separate valves.

Feature





Mounting Instructions

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

Product Numbers

Part Number	Material	Opening Pressure （mbar）	Color	Availability
JT.1023.E.00	FKM	20	Custom	Sample & Lot
JT.1023.E.01	EPDM	20	Custom	Sample & Lot
JT.1023.E.02	FVMQ	20	Custom	Sample & Lot
JT.1023.E.03	NBR	20	Custom	Sample & Lot
JT.1023.E.04	SIL	20	Custom	Sample & Lot

Contact: sales-1@valvekingdom.com website : www.valvekingdom.com

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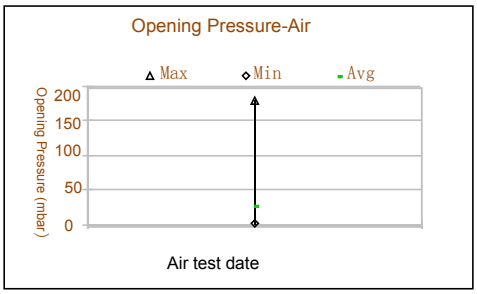
Product Information

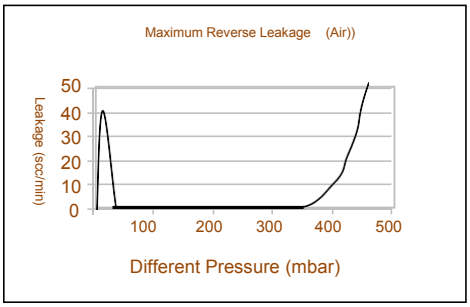
Opening Pressure



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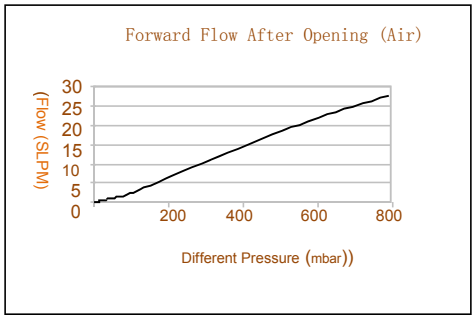
Leakage, or flow in the reverse direction, is measured while increasing the back pressure across the valve, starting from zero. Please note that leakage graph is on a different scale from those of flow.

Forward Flow



Water Test Data
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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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