PRODUCT DESCRIPTION

DESCRIPTION The WM366 series quick release valves incorporate a durable poppet that acts like a diaphragm and flexes to control the direction of flow. These self-relieving three-way valves are available with or without a WM111B exhaust breather. The breather prevents dirt and particles from entering the valve; the supply and outlet ports are also equipped with screening for this purpose.

OPERATION As long as a supply signal is applied to the valve, it will deliver pressure at the outlet port. The flexible poppet seals the passage to the exhaust port and permits air flow to the outlet port at a rate of 75 SCFM (2.0 m³/min) with a 100 PSI (689.5 kPa) supply. If the supply signal decreases, then the poppet flexes and outlet pressure is released through the exhaust.

APPLICATION The WM366 series valves are typically used to exhaust pressure from single or double-acting cylinders in a variety of quick release applications. In these applications, pressure is quickly transmitted from the control device to the cylinders because of the high flow rate. The WM366 series quick release valves are not recommended for safety-related applications.

TYPICAL INSTALLATION

SUPPLY

WM366 SERIES
QUICK RELEASE
VALVE

EXHAUST

SINGLE ACTING CYLINDER

EXTERNAL CONFIGURATION

SUPPLY 1/8-27 NPTF

EXHAUST 1/8-27 NPTF

OUTLET 1/8-27 NPTF

1.28 DIA (Ø33)

1.75 (45)

56 (14)

.75 (19)

.60 (15)

FUNCTIONAL DIAGRAM

APPLIED
SUPPLY

OUTLET
RELEASED

OUTLET

EXHAUST

I.S.O. SYMBOL

WM366A

WM366B
### PARTS IDENTIFICATION

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<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
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<td>BODY</td>
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<tr>
<td>2</td>
<td>CAP</td>
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<tr>
<td>3</td>
<td>POPPET</td>
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<td>4</td>
<td>WM111B BREATHER (111412)</td>
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<tr>
<td>5</td>
<td>SCREEN</td>
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This component is classified as a non-repairable item. Replaceable items are followed by part numbers.

### SPECIFICATIONS

- **PORT SIZE**: 1/8″-27 NPTF
- **MAXIMUM OPERATING PRESSURE**: 150 PSI (1034.2 kPa)
- **OPERATING TEMPERATURE**: -20°F to 200°F (-28.9°C to 93.3°C)

**FLOW RATING**:
- Supply-to-Outlet: 75 SCFM @ 100 PSI (2.0 m³/min @ 690 kPa)
- Outlet-to-Exhaust: 55 SCFM @ 100 PSI (1.6 m³/min @ 690 kPa)

**MOUNTING**: Designed for Pipe Mounting Using Inlet & Outlet Ports

**MOUNTING ATTITUDE**: Optional

**MATERIALS**: Body Castings: Die Cast Zinc Alloy, Poppet: Buna N

**NET WEIGHT**: 2.5 oz (0.1 kg)

*For continuous operation beyond this range, contact factory.

### TO ORDER, SPECIFY

**WM366**

Model Number Suffix

### PART NUMBER

**SELECT SUFFIX & PART NUMBER BELOW**

<table>
<thead>
<tr>
<th>SUFFIX</th>
<th>PART NUMBER</th>
<th>EQUIPPED WITH WM111B BREATHER</th>
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<tr>
<td>WM366A</td>
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<td>WM366B</td>
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