

VM Series

On/Off and Shut-off Valves

DVMXX2051X012

Specifications

For other materials or modifications, please consult TESCOM.

OPERATING PARAMETERS

Pressure rating per criteria of ANSI/ASME B31.3

Maximum Operating Pressure

6000 psig / 414 bar

Design Proof Pressure

150% maximum rated

Leakage

Internal: Bubble-tight

External: Bubble-tight

Operating Temperature

See Part Number Selector

Flow Capacity

$C_v = 4.5$

Minimum Actuation Pressure

80 psig / 5.5 bar

Maximum Actuation Pressure

125 psig / 8.6 bar



TESCOM VM Series is an air-operated high pressure, high flow valve.

MEDIA CONTACT MATERIALS

Body and Trim

316 Stainless Steel

Seat

Vespe[®]

Valve

316 Stainless Steel

O-Rings

Buna-N, Kalrez[®], Viton[®], E.P., Urethane

Back-up Rings

Teflon[®]

OTHER

Cleaning

CGA 4.1 and ASTM G93

Weight (approximate)

19 lbs / 8.6 kg

Teflon[®], Vespe[®], Kalrez[®] and Viton[®] are registered trademarks of E.I. du Pont de Nemours and Company.

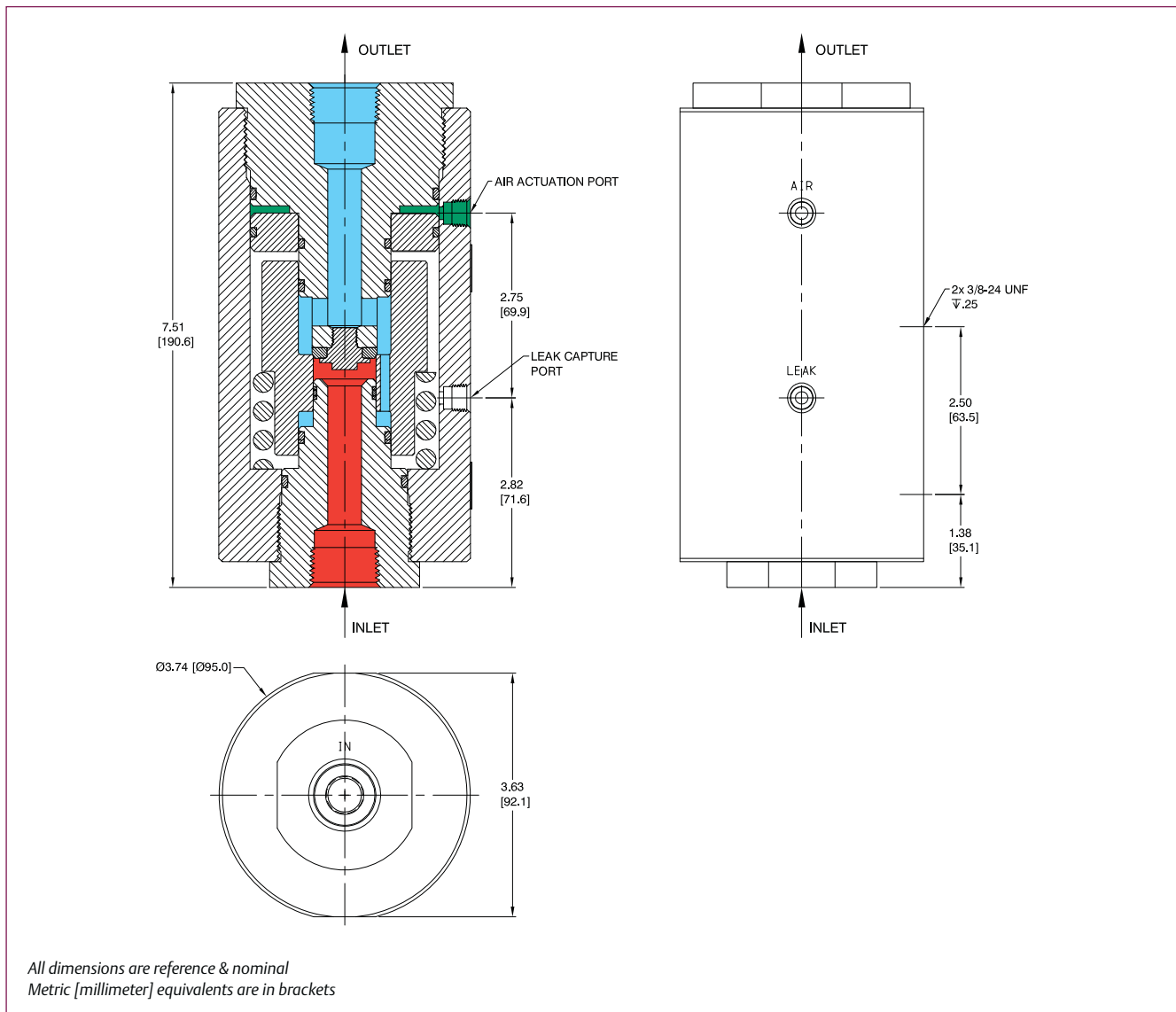
Applications

- High pressure gas and liquid
- High flow filling applications
- Testing of high pressure and high flow components

Features and Benefits

- Normally closed valve
- Balanced valve
- In-line flow path to minimize the pressure drop across the valve
- High operating pressures of 6000 psig / 414 bar

VM Series Valve Drawing



VM Series Valve Part Number Selector

Repair Kits, Accessories & Modifications may be available for this product. Please contact TESCOM for more information.

Example for selecting a part number:

BASIC SERIES	BODY AND TRIM MATERIAL	SEAT MATERIAL	O-RING MATERIAL	MAXIMUM OPERATING PRESSURE	OPERATING TEMPERATURES	INLET PORT TYPE	INLET PORT SIZE	OUTLET PORT SIZE	OUTLET PORT SIZE	AIR AND LEAK PORT SIZE/TYPE
VM	6 - 316 Stainless Steel	Vespe ^l	VB - Buna-N VK - Kalrez [®] VV - Viton [®] VE - E.P. VU - Urethane	6000 psig / 414 bar	-40°F to 165°F / -40°C to 74°C -15°F to 250°F / -26°C to 121°C -15°F to 250°F / -26°C to 121°C -40°F to 250°F / -40°C to 121°C -20°F to 165°F / -29°C to 74°C	1 - SAE 2 - NPTF 3 - MS33649	12 - 3/4" 16 - 1"	1 - SAE 2 - NPTF 3 - MS33649	12 - 3/4" 16 - 1"	2 - 1/8" NPTF