

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

MEDIA CONTACT MATERIALS

Body and Trim	316 Stainless Steel
Seat	Polyimide (Vespel®)
Valve	316 Stainless Steel
O-Rings	Nitrile, Buna-N, FFKM, Perfluoroelastomer (Kalrez®), FKM (Viton®-A), Ethylene Propylene, Urethane
Back-up Rings	PTFE

OTHER

Cleaning	CGA 4.1 and ASTM G93
Weight (approximate)	19 lbs / 8.6 kg

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

Applications

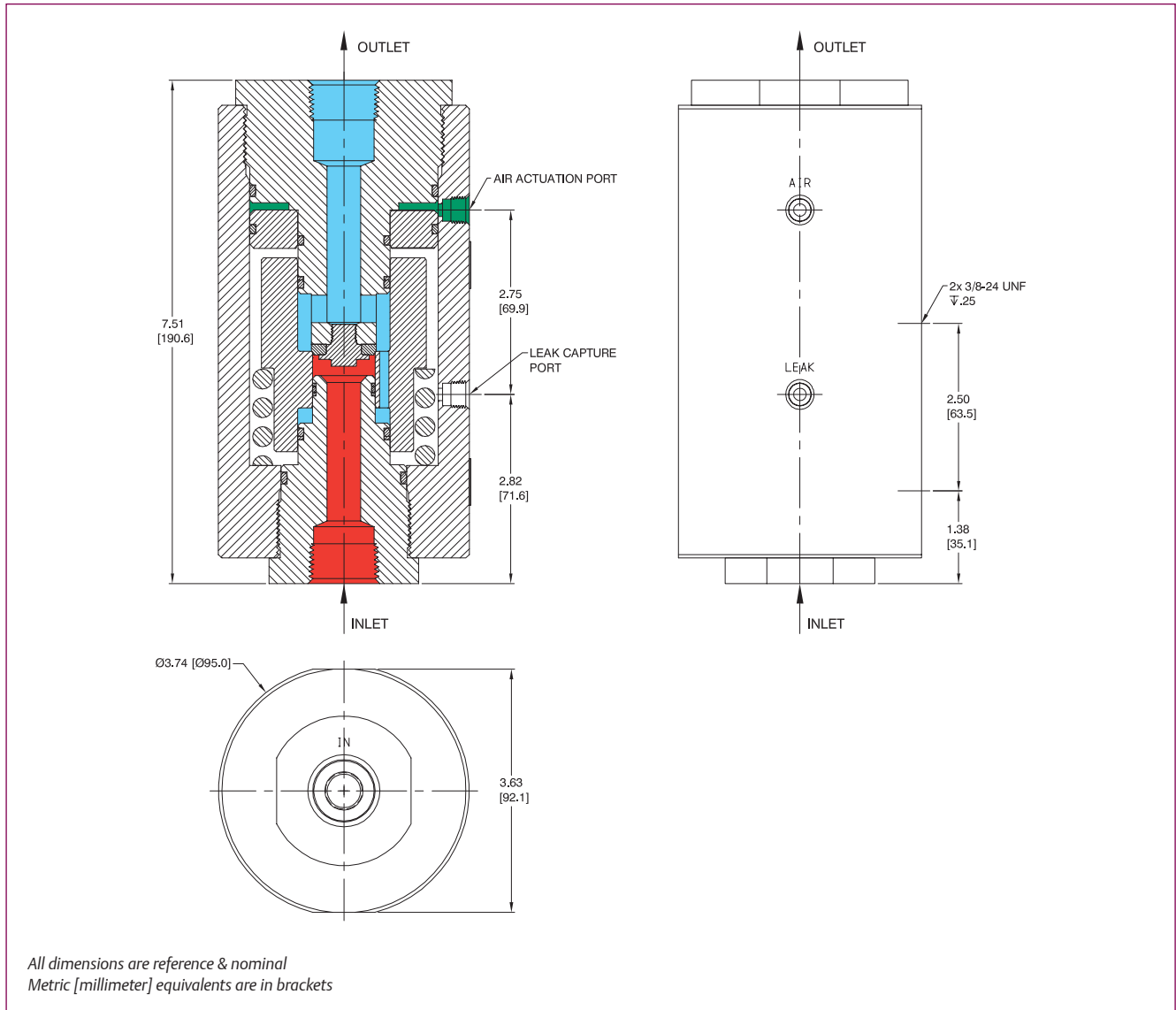
- High pressure gas and liquid
- High flow filling applications
- Testing of high pressure and high flow components

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

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	Polyimide (Vespe ^l)	VB – Nitrile, Buna-N VK – FFKM, Perfluoroelastomer (Kalrez [®]) VV – FKM (Viton [®] -A) 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