

Specifications

For other materials or modifications, please consult TESCO.

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

Polyimide (Vespel®)

Valve

316 Stainless Steel

O-Rings

Nitrile, Buna-N, FFKM, Perfluoroelastomer (Kalrez®), FKM (Viton®-A), Ethylene Propylene, Urethane

Back-up Rings

PTFE

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

OTHER

Cleaning

CGA 4.1 and ASTM G93

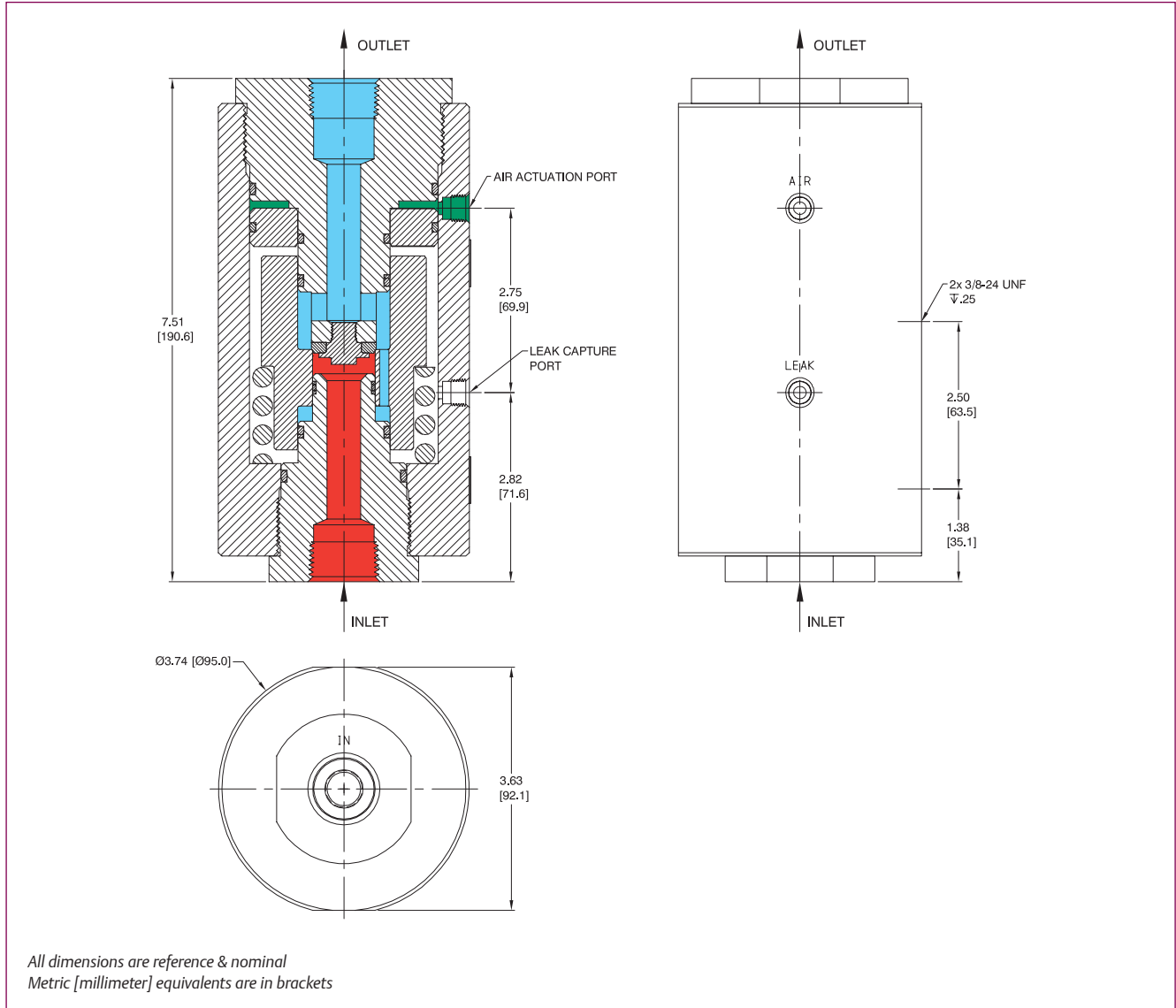
Weight (approximate)

19 lbs / 8.6 kg

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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