

High Pressure Low Flow Valve

414 bar & 690 bar maximum operating pressure
low flow / bi-directional flow

VJ Series

Specifications

❑ Operating Parameters

Max. operating pressure:

316 Stainless Steel body: 690 bar (10,000 PSIG)

Brass body: 414 bar (6,000 PSIG)

Design proof pressure:.. 150% of rated pressure

Leakage: Bubble-tight

Operating temperature: See table

Flow capacity:

Angle & globe: Cv = 0.49

Max. operating torque: 1.7 Nm

❑ Media Contact Materials

Body: 316 Stainless Steel or brass

Seat: ...CTFE, Nylatron, PEEK, Teflon® or Vespel®

Back-up ring: Teflon®

O-ring:..... Buna-N, Ethylene Propylene,
Kalrez® or Viton®

Remaining parts: Monel® & brass or Stainless Steel

For other materials and modifications, please consult factory.

❑ Weight:.....0.68 kg

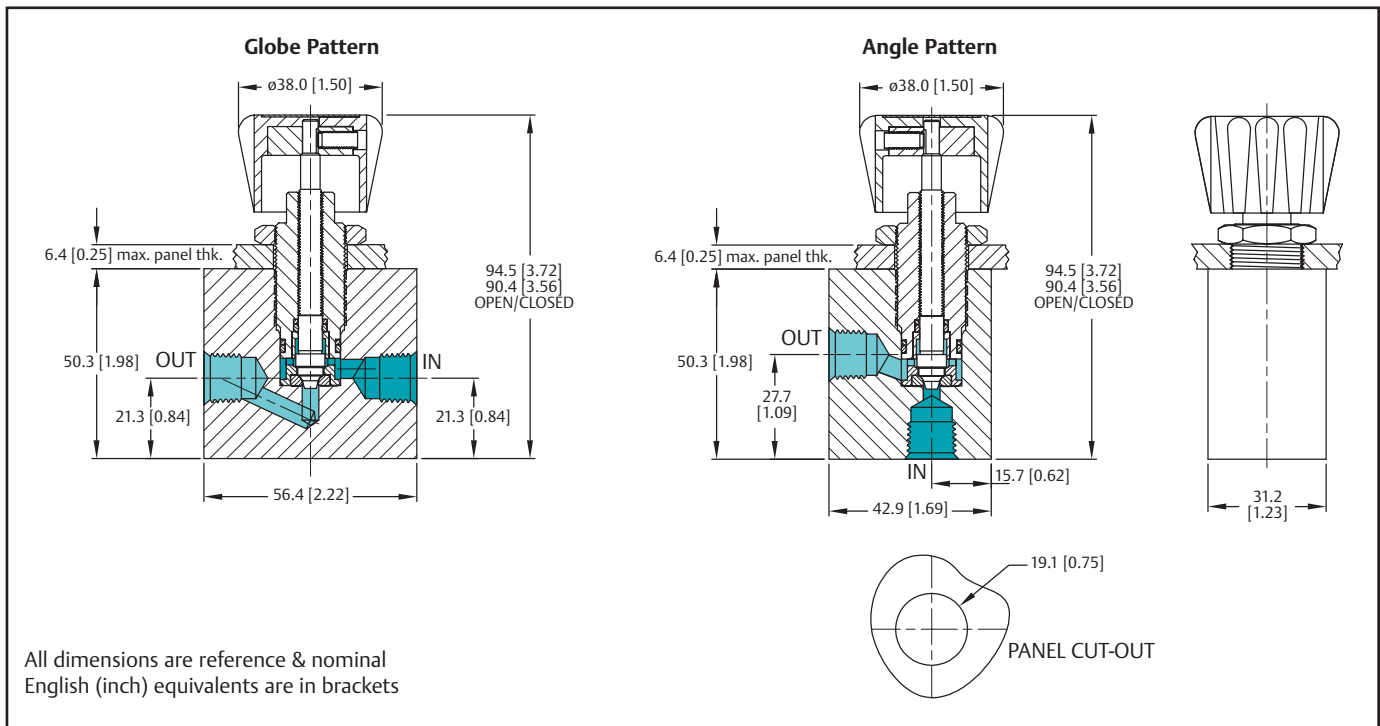


Advantages

- Versatile bi-directional flow
- Built-in metallic stop prevents overtightening of the valve
- Angle or globe pattern options available, easy adaptation
- Slow opening, no pressure shocks in the downstream equipment
- Designed to be O₂ compatible

*Viton®, Teflon®, Kalrez® and Vespel® are registered trademarks of Du Pont.
Monel® is a registered trademark of Huntington Alloys, Inc.*

VJ Series High Pressure Low Flow Valve



Part Number Selector

Example Part Number:

VJ - 1 0 3 04 V K

BASIC SERIES	BODY MATERIAL	PATTERN TYPE	IN & OUT PORT TYPE	INLET & OUTLET PORT SIZE	SEAT MATERIAL	O-RING MATERIAL
VJ	1 – Brass 6 – 316 Stainless Steel	0 – Angle 1 – Globe	1 – SAE 2 – NPT 3 – MS33649	04 – 1/4" 06 – 3/8" (available in globe pattern only)	K – CTFE P – PEEK T – Teflon® V – Vespel®	D – Buna-N E – Ethylene Propylene K – Kalrez® V – Viton®

For more information to **Repair Kits, Accessories & Modifications** please contact factory.

Operating Temperature

SEAT MATERIAL	O-RING	MAXIMUM OPERATING PRESSURE	OPERATING TEMPERATURE	SEAT MATERIAL	O-RING	MAXIMUM OPERATING PRESSURE	OPERATING TEMPERATURE
Teflon®	Buna-N	Brass: 241 bar	-40 °C to +74 °C	PEEK	Buna-N	Brass: 414 bar	-40 °C to +74 °C
Teflon®	Kalrez®	(3500 PSIG)	-7 °C to +121 °C	PEEK	Kalrez®	(6000 PSIG)	-7 °C to +121 °C
Teflon®	Viton®	SST: 241 bar	-26 °C to +121 °C	PEEK	Viton®	SST: 670 bar	-26 °C to +121 °C
Teflon®	E.P.	(3500 PSIG)	-40 °C to +121 °C	PEEK	E.P.	(10000 PSIG)	-26 °C to +121 °C
CTFE	Buna-N	Brass: 414 bar	-40 °C to +74 °C	Vespel®	Buna-N	Brass: 414 bar	-40 °C to +74 °C
CTFE	Kalrez®	(6000 PSIG)	-7 °C to +74 °C	Vespel®	Kalrez®	(6000 PSIG)	-7 °C to +121 °C
CTFE	Viton®	SST: 414 bar	-26 °C to +74 °C	Vespel®	Viton®	SST: 670 bar	-26 °C to +121 °C
CTFE	E.P.	(6000 PSIG)	-40 °C to +74 °C	Vespel®	E.P.	(10000 PSIG)	-40 °C to +121 °C



TESCOM EUROPE GMBH & CO. KG

An der Trave 23-25 • D-23923 Selmsdorf • Germany
Tel: +49 (0) 3 88 23 / 31-0 • Fax: +49 (0) 3 88 23 / 31-199
info@tescom-europe.com • www.tescom-europe.com

TESCOM EUROPE is a business unit of the Regulator Division. Trademarks are property of divisions of Emerson Process Management.
1095-10-05 Subject to technical changes

