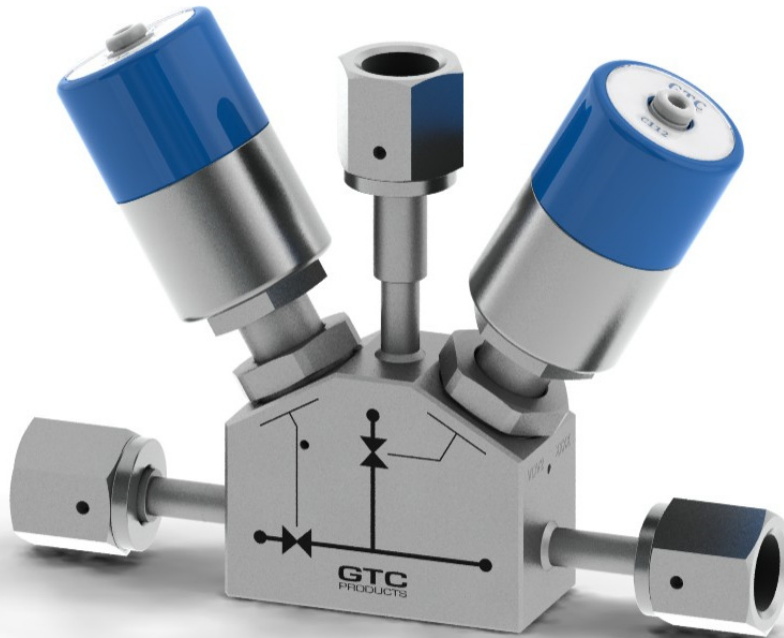


# UHP V-Block Valves

“VDV2” Series



## GTC Features

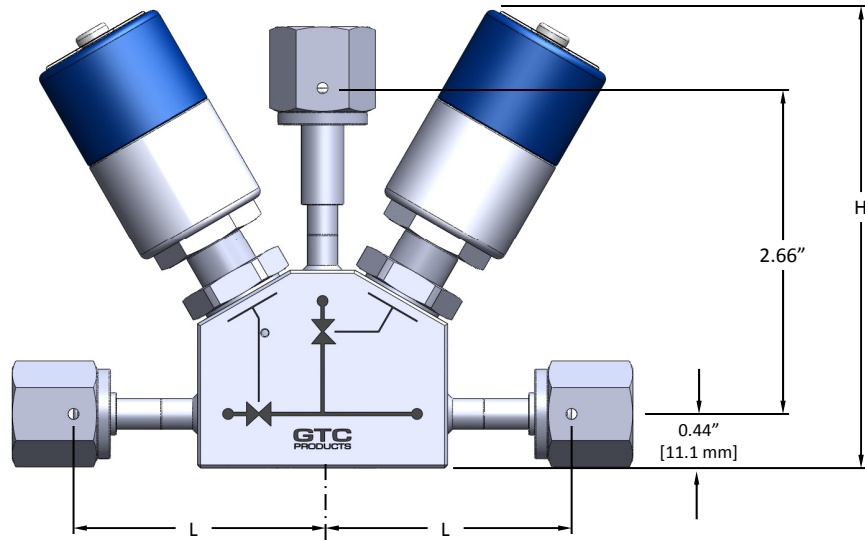
- Compact, Monoblock Design; 2 Valves in One
- Serviceable, Modular Valves with Replaceable Seats
- Mix and Match of Six Available Actuators; P112, C10, L112, K10, K150, and C30
- Removable / Replaceable Actuators without exposing wetted areas to atmosphere

## Technical Data

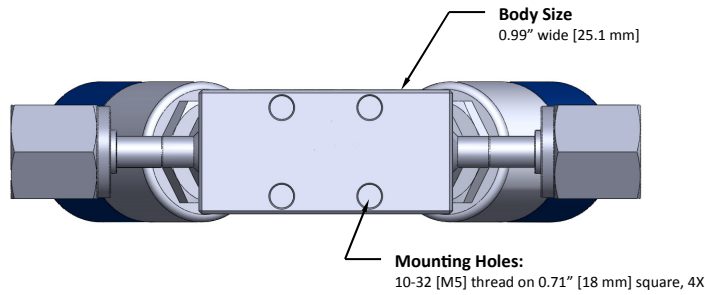
Specification	P112	C10	L112	K10	K150	C30
Actuation Type	Pneumatic N.O.	Pneumatic N.C.	Manual 1/4 Turn, LOTO	Manual 1/4 Turn	Manual 1/4 Turn, LOTO	Pneumatic N.C.
Actuation Port	10-32	1/8" OD Tube	n/a	n/a	n/a	1/8" OD Tube
Actuation Pressure	70 to 120 psig	70 to 120 psig	n/a	n/a	n/a	70 to 120 psig
Operating Pressure	Vac to 150 psig	Vac to 500 psig	Vac to 1500 psig	Vac to 500 psig	Vac to 1500 psig	Vac to 3300 psig
Proof / Burst Pressure	150% / 300% of operating pressures					
Flow Coefficient Cv	0.23 per valve					
Internal Volume	2.0 cc					
Operating Temperature	-20° to 160° F (Vespel seat option: -20° to 300° F)					
Helium Leak Rate	1 x 10 <sup>-9</sup> scc/s He					
Wetted Surface Roughness	10 Ra Max					
Wetted Surface Chemistry	Cr/Fe ≥ 1.5, CrO/FeO ≥ 2.0					
Wetted Surface Body Mat'l	316L VAR Stainless Steel					
Wetted Surface Other Mat'l	Diaphragm: Elgiloy™, Seat: PCTFE (optional Vespel™)					



# Dimensions



Specification	P112	C10	C30	L112	K10/K150
Overall Height (H)	3.5" [89 mm]	4.6" [117 mm]	5.2" [132 mm]	3.7" [94 mm]	3.3" [84 mm]
Tube Stub Length (L)	1.32" [33.5 mm]				
Female Face Seal (L)	2.03" [51.6 mm]				
Male Face Seal (L)	2.51" [63.8 mm]				



## Ordering Info:

### C10-C10-VDV2-3A-FFF-VS

#### Actuator A - Actuator B

- C112 - Low Pressure, N.C.
- C30 - High Pressure, N.C.
- K10 - Low Pressure, Manual, 1/4 Turn
- K150 - High Pressure, Manual, 1/4 Turn
- L112 - High Pressure, Manual, 1/4 Turn, LOTO
- P112 - Low Pressure, N.O.

#### Body Series

- VDV2 - Standard

#### Porting

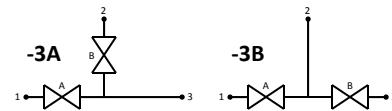
1 2 3  
Ports

#### Options

VS - Vespel™ Seat

#### Connections

- T - 1/4" Tube Stub
- M - 1/4" Male Face Seal
- F - 1/4" Female Face Seal



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