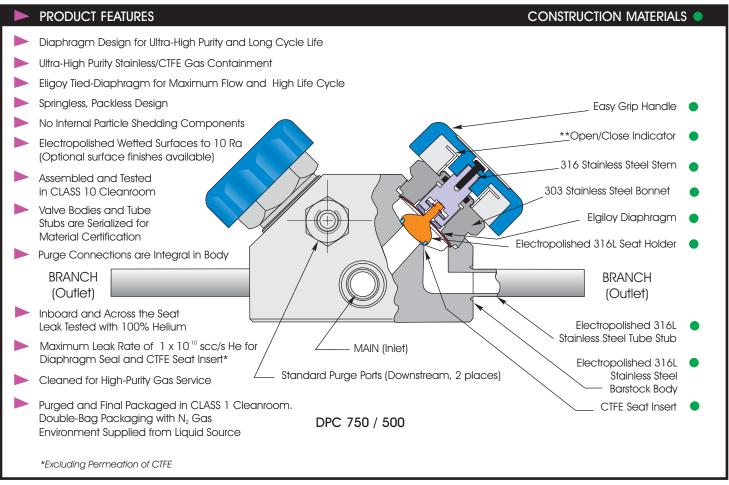
DUPLEX SERIES Ultra-High Purity Duplex Diaphragm Valves



PRODUCT APPLICATIONS

This compact Duplex (diaphragm design) valve series is intended for bulk gas distribution service where containment, cleanliness and purity are of utmost importance. Applications for this valve include:

- Ultra-high purity gas system control valves
- Ultra-high purity gas control for point-of-use or service for hookups
- Superior containment and cleanliness for your most critical valve applications
- Suitable for inert and most toxic gases

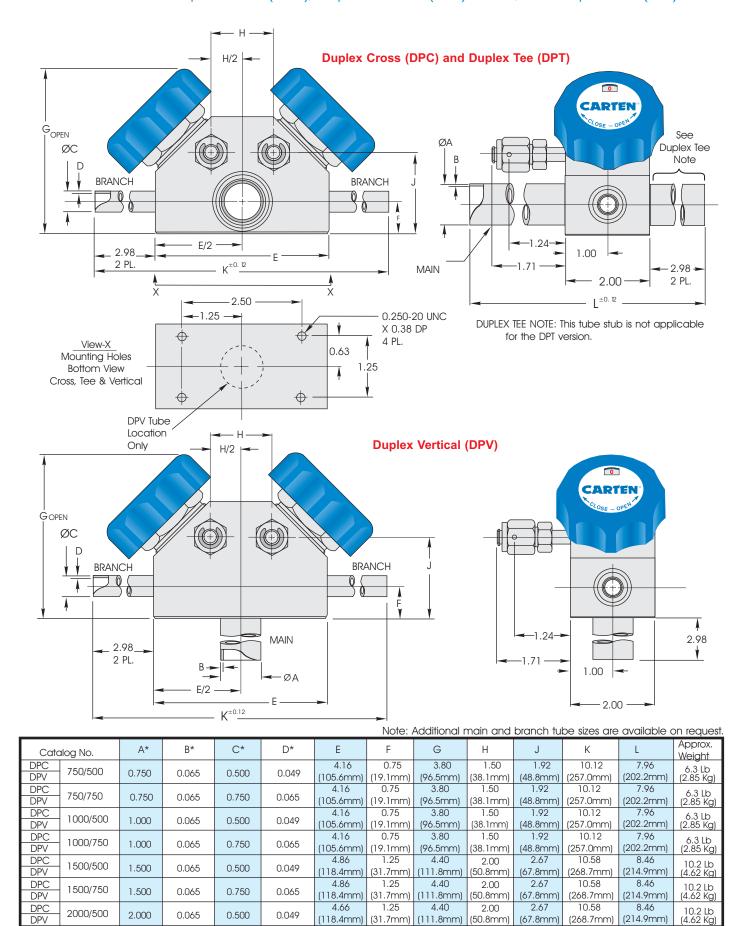


DUPLEX SERIES - Technical Data

ſ	CONSTRUCTION MATERIAL	Wetted Areas	Elgiloy, 316L Stainless Steel, CTFE	HELIUM LEAK TEST CLEANLINESS	Inboard/across the seat	1x10 ⁻¹⁰ scc/s He max.	Rated
1		Non-Wetted Areas	316L Stainless Steel, 303 Stainless Steel			1x10 ⁻⁹ scc/s He max.	Std. Production
H			303 Sidil liess Sieel		Helium leak test performed with 100% helium		
	MAXIMUM OPERATING PRESSURE	DPC / DPV /DPT Series	Vacuum to 375 psi (25 BAR)		Assembled and tested in CLASS 10 cleanroom. Purged and final packaged in Class 1 cleanroom. Double-bag packaging (2 mil nylon inner bag, 6 mil polyethylene outer bag) with N ₂ gas environment supplied from a liquid source		
1	MAXIMUM OPERATING TEMPERATURE	DPC / DPV /DPT Series	180° F (82°C)				
ı				STANDARD FINISH	Electropolished to 10 Ra (0.25 m) on all wetted surfaces		
l	FLOW COEFFICIENT (C _V)	DPC Series	2.96	OPTIONS	Surface finish - 5 Ra, 20 Ra Particle, moisture, THC and O_2 testing SEM and ESCA testing, Auger analysis Fitting type and location		
l		DPV / DPT Series	3.10	OF HONS	Material: VAR; VIM / VAR, Vespel® seat Handle color (Std. white) JIS tube stubs and tube length		

Specifications are subject to change without notice Vespel is a realistered trademark of the DuPont Company

^{**}The open/close indicator provides open/close status at the fully open or closed positions. It is not intended to act as a metering or proportioning system.



^{*}Metric tube sizes and wall thicknesses are available on request.

0.065

2.000

DPC

DPV

2000/750

0.065

0.750

4.66

(118.4mm)

1.25

(31.7mm)

4.40

(111.8mm)

2.00

(50.8mm)

2.67

(67.8mm)

10.58

(268.7mm)

8,46

(214.9mm)

NOTE 1: All tolerances are ± 0.06 in. unless otherwise stated

NOTE 2: Dimensional drawings shown are for reference only. Please contact the manufacturer for customer drawings showing updated dimensions.