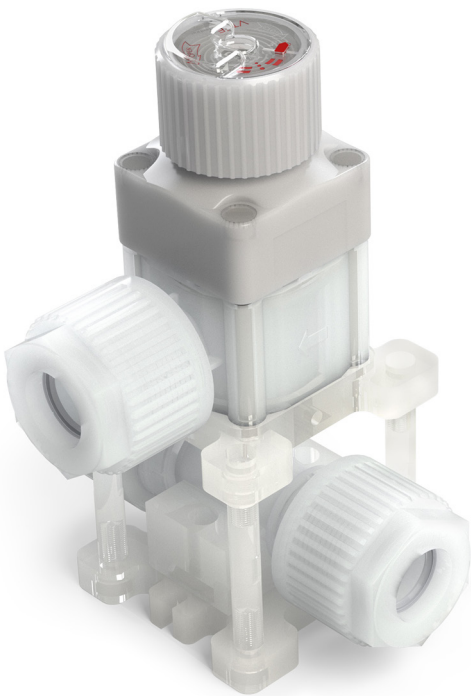


EP PFA Manual TS Sampling Valves

Provide space-saving advantages in a sampling valve configuration

Our EP PFA manual TS sampling valves are designed to save space in your most demanding bulk chemical delivery applications in semiconductor and flat panel display industries. The sampling valve's high-purity construction withstands corrosive chemical environments and ensures process integrity within your fluid system. We also offer specially designed TS sampling valves for use in ammonium hydroxide (NH₄OH) applications.



APPLICATIONS

- Bulk chemical delivery in the semiconductor and flat panel display markets
- High purity, corrosive chemical handling within the semiconductor

FEATURES & BENEFITS

PFA body and PTFE diaphragm materials	Provide high purity and chemical resistance in corrosive chemical applications
A variety of connection sizes, from 1/2" to 1-1/2", are available	Provide system design flexibility and versatility to meet your fluid system needs

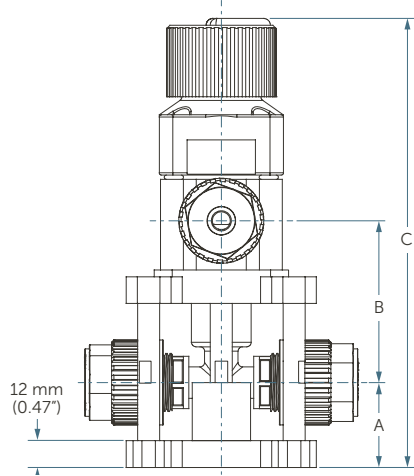
SPECIFICATIONS

Materials	All wetted parts	PFA, PTFE
	Nonwetted parts	Viton®, PVDF, PP, PC, Stainless steel 304
Pressure range	689.5 kPa (100 psig) @ 21°C (70°F) fluid temperature	
	441 kPa (64 psig) @ 90°C (194°F) fluid temperature	
Temperature range	21° to 90°C (70° to 194°F)	

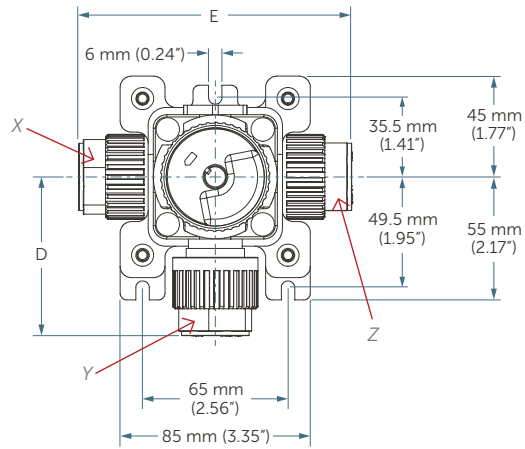
DIMENSIONS

EP PFA Manual TS Valves

Front View



Top View



Port connection (X)	Port connection (Sample Y)	Port connection (Z)	Flow factor	A	B	C	D	E
1/2"	1/2"	1/2"	1.1-1.3 C _v	38.0 mm (1.49")	72.3 mm (2.85")	201.0 mm (7.91")	72.0 mm (2.83")	122.0 mm (4.80")
3/4"	1/2"	3/4"	1.1-1.3 C _v	38.0 mm (1.49")	72.3 mm (2.85")	201.0 mm (7.91")	72.0 mm (2.83")	128.0 mm (5.04")
3/4"	3/4"	3/4"	3.8-4.2 C _v	38.0 mm (1.49")	72.3 mm (2.85")	201.0 mm (7.91")	70.2 mm (2.76")	128.0 mm (5.04")
1"	1/2"	1"	1.1-1.3 C _v	38.0 mm (1.49")	72.3 mm (2.85")	201.0 mm (7.91")	72.0 mm (2.83")	152.0 mm (5.98")
1"	3/4"	1"	3.8-4.2 C _v	38.0 mm (1.49")	72.3 mm (2.85")	201.0 mm (7.91")	70.2 mm (2.76")	152.0 mm (5.98")
1"	1"	1"	6-7 C _v	38.0 mm (1.49")	70.3 mm (2.77")	203.3 mm (8.00")	80.0 mm (3.15")	152.0 mm (5.98")
1 1/2"	1/2"	1 1/2"	1.1-1.3 C _v	52.3 mm (2.06")	89.7 mm (3.53")	232.6 mm (9.16")	72.0 mm (2.83")	228.0 mm (9.00")
1 1/2"	3/4"	1 1/2"	3.8-4.2 C _v	52.3 mm (2.06")	89.7 mm (3.53")	232.6 mm (9.16")	70.2 mm (2.76")	228.0 mm (9.00")
1 1/2"	1"	1 1/2"	6-7 C _v	52.3 mm (2.06")	87.7 mm (3.45")	234.9 mm (9.25")	80.0 mm (3.15")	228.0 mm (9.00")
1 1/2"	1 1/2"	1 1/2"	17-23 C _v	52.3 mm (2.06")	117.8 mm (4.64")	312.2 mm (12.29")	117.5 mm (4.63")	228.0 mm (9.00")

ORDERING INFORMATION

EP PFA Manual TS Valves

Part number	Port connections	Sample port connection	For use in NH ₄ OH applications
PLTSMV-F08-08-08	1/2" EP PFA flare	1/2" EP PFA flare	No
PLTSMV-F08-08-08-H	1/2" EP PFA flare	1/2" EP PFA flare	Yes
PLTSMV-F12-08-12	3/4" EP PFA flare	1/2" EP PFA flare	No
PLTSMV-F12-08-12-H	3/4" EP PFA flare	1/2" EP PFA flare	Yes
PLTSMV-F12-12-12	3/4" EP PFA flare	3/4" EP PFA flare	No
PLTSMV-F12-12-12-H	3/4" EP PFA flare	3/4" EP PFA flare	Yes
PLTSMV-F16-08-16	1" EP PFA flare	1/2" EP PFA flare	No
PLTSMV-F16-08-16-H	1" EP PFA flare	1/2" EP PFA flare	Yes
PLTSMV-F16-12-16	1" EP PFA flare	3/4" EP PFA flare	No
PLTSMV-F16-12-16-H	1" EP PFA flare	3/4" EP PFA flare	Yes
PLTSMV-F16-16-16	1" EP PFA flare	1" EP PFA flare	No
PLTSMV-F16-16-16-H	1" EP PFA flare	1" EP PFA flare	Yes
PLTSMV-F24-08-24	1 1/2" EP PFA flare	1/2" EP PFA flare	No
PLTSMV-F24-08-24-H	1 1/2" EP PFA flare	1/2" EP PFA flare	Yes
PLTSMV-F24-12-24	1 1/2" EP PFA flare	3/4" EP PFA flare	No
PLTSMV-F24-12-24-H	1 1/2" EP PFA flare	3/4" EP PFA flare	Yes
PLTSMV-F24-16-24	1 1/2" EP PFA flare	1" EP PFA flare	No
PLTSMV-F24-16-24-H	1 1/2" EP PFA flare	1" EP PFA flare	Yes
PLTSMV-F24-24-24	1 1/2" EP PFA flare	1 1/2" EP PFA flare	No

FOR MORE INFORMATION

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