



DESCRIPTION

FV systems are used to take a process sample. They are manufactured with a capacity fixed cylinder and two synchronized three-way valves, which move simultaneously. This system allows us to take a fixed volume of sample, isolating it from the process and previously recirculating it to get your representativeness.

FEATURES

- Application for viscous, corrosive or danger liquids.
- Various capacities available
- Sampling isolation of process conditions
- High temperature and pressure applications
- Representative sampling
- Closed sampling
- Handle operation
- Fixed volume sampling
- Purging of the sampler
- Can be manufactured with valves from the main brands on the market (under requirement).

OPERATION



POSITION 1

Recirculation sample



CLOSE POSITION

Isolation Sample

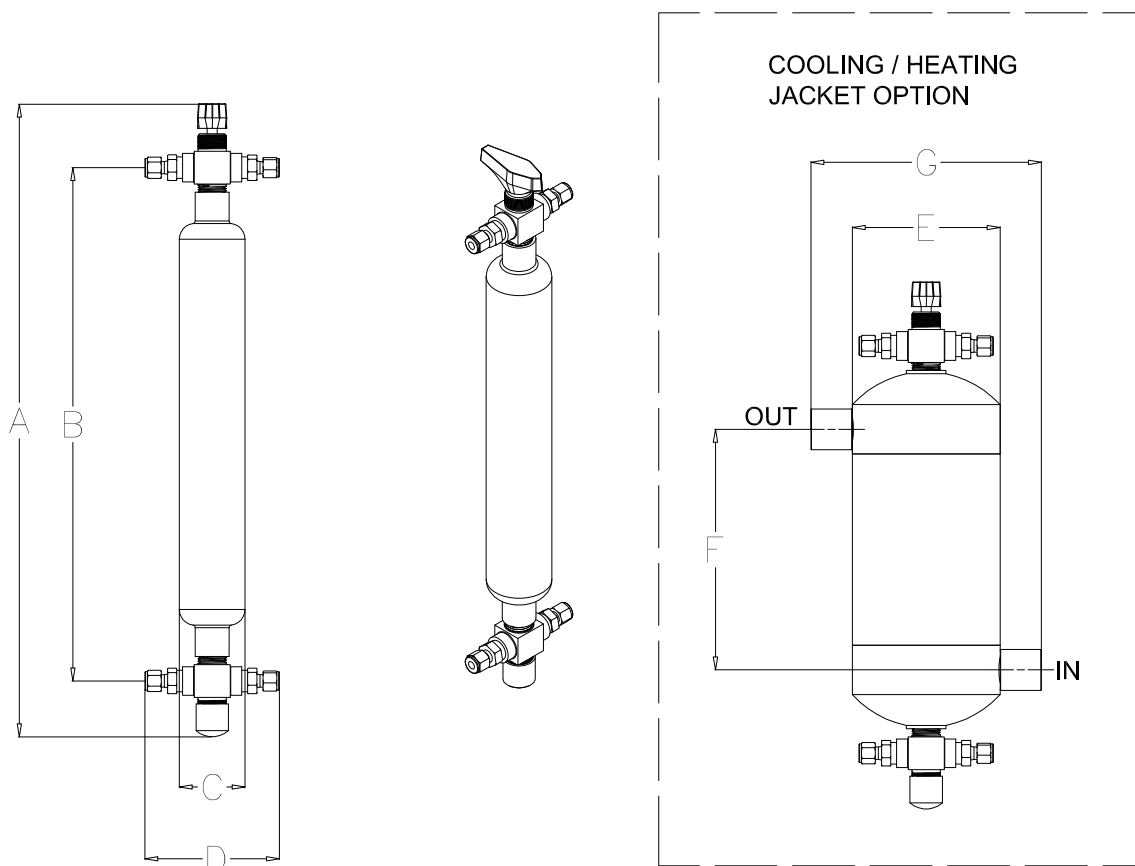


POSITION 2

Take sample



DRAWINGS



Capacity	A	B	C	D	E	F	G
250cc	457 [18]	365 [14 2/5]	50,8 [2]	105 [4 1/2]	88,9 [3 1/2]	60 [2 2/5]	153 [6]
500cc	581 [22 9/10]	489 [19 3/10]	50,8 [2]	105 [4 1/2]	88,9 [3 1/2]	184 [7 1/5]	153 [7]
1000cc	415 [16 3/10]	315 [12 2/5]	88,9 [3 1/2]	105 [4 1/2]	114 [4 1/2]	186 [7 3/10]	178 [7]

Units: mm [Inches in brackets]

Due to continuous improvements, Manvia reserves the right to change the design and specifications without notice

SPECIFICATIONS

Cylinder material:	SS316L (Others under request)
Volume (c.c.):	250 / 500 / 1000 (Others under request)
Pressure:	124 barg@ 37°C (1800 psig@ 100°F).
Temperature:	204 °C @ 78 barg (400°F@1130 psig)
Valves:	Three-way Body: 316 SS/A479, Stem: 316 SS / A276. Seats: PCTFE, Stem O-rings: FKM - PEEK – PTFE/D1710 Pressure range 413 bar @ 37°C (6000 psig@ 100°F). Temperature range -17/+232°C (0/+450°F). Connections: compression fittings ¼"OD
Operación	Manual
Heating / Cooling jacket (C-Option):	Max. working pressure: 30 barg Max. working temperature: 204 °C Connections: ½" NPT(f)

ORDERING INFORMATION

FIXED VOLUME SAMPLE CYLINDER	FV	-	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>
Capacity									
250-	250 cc								
500-	500cc								
1000-	1000cc								
Cooling / Heating Jacket									
-	Without Cooling or heating jacket								
C -	With Cooling or heating jacket								
Dead Man System									
-	Not included								
D -	Included								
Other Options									
-	On request								