

COBRA - FV

FIXED VOLUME SAMPLE SYSTEM

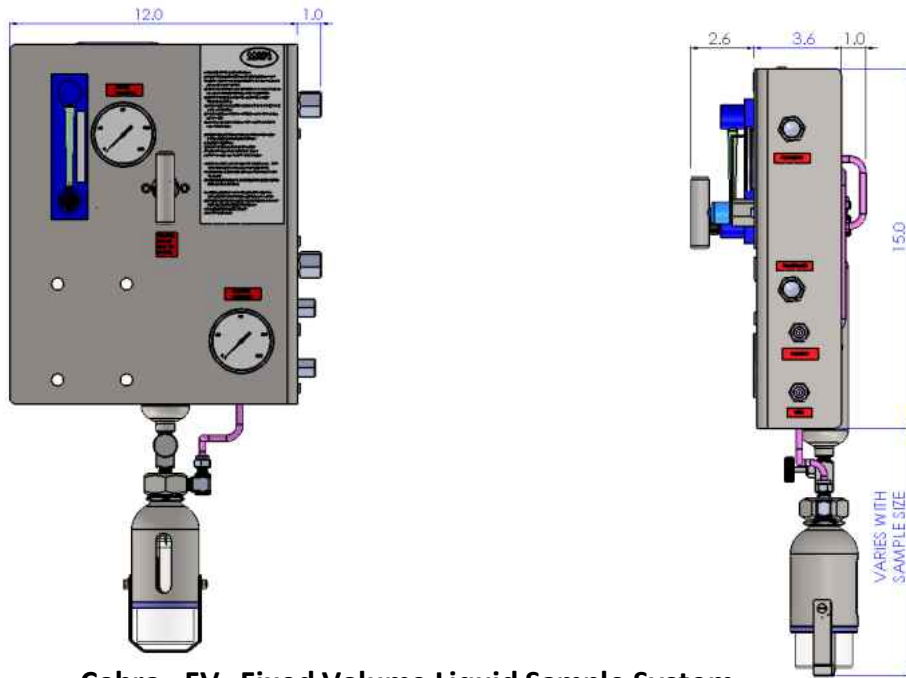
Designed to provide a more efficient and safer sample of high pressure liquids by allowing an operator to collect a fixed volume of sample, the Cobra FV liquid sampler offers the greatest level of reliability and ease-of-use yet. All of the units use the Cobra-designed sampling valve, facilitating easy regulation by ensuring sufficient time for air and other gases to be expelled. A variety of accessories are available – from needle purge to cooling coils – so that the sampler can be customized to suit the specific requirements of the application.

The Cobra FV is specifically designed to ensure the operator takes the highest quality fixed volume sample through the simplest and most reliable process possible. The sample valve allows each sample to be extracted quickly and easily while simultaneously purging the assembly with Nitrogen, thus ensuring the cleanest possible sample is taken. The system can also be adapted to facilitate automatic sample extractions or composite samples.



KEY FEATURES:

- ▶ Provides an emission free sample that is representative of the process
- ▶ Allows compliance of all EPA and LDAR requirements
- ▶ High pressure fixed volume chamber allows safe sampling of high pressure liquids by isolation of sample prior to dispensing into bottle
- ▶ Cobra Needle (* Patent Pending)
- ▶ Easy to Operate and Safe to the Environment
- ▶ Step by Step Instruction Tag and valves labeled for simple operation
- ▶ All connections are made on the side plane and labeled for ease of installation.
- ▶ Standard units come with our unique patent pending coaxial needle system which prevents bent and broken needles
- ▶ Available with Optional Disposable Captured Vent Canister
- ▶ Following applications:
 - Process sampling of low vapor pressure liquids (<18psiA) and high process pressure (>140psi)



Cobra - FV Fixed Volume Liquid Sample System

Material of Construction	
S	Stainless Steel
Q	Special (please specify)
Bottle Sample Size	
4	4 oz. Boston Round with 75 cc Fixed Volume Cylinder
8	8 oz. Boston Round with 150cc Fixed Volume Cylinder
16	16 oz. Boston Round with 300cc Fixed Volume Cylinder
32	32 oz. Boston Round with 500cc Fixed Volume Chamber
Q	Custom
O-Ring Material	
V	Viton
K	Kalrez
Q	Other
Compression Fitting	
S2	Standard (1/2") * Vent and Purge Connection 1/4"
W2	Swagelok (1/2") * Vent and Purge Connection 1/4"
P2	Parker (1/2") * Vent and Purge Connection 1/4"
Q	Other
Vent Type	
S	Vent to Flare
EF	Vent to Emission Filter
EFSS	Vent to Stainless Steel Emission Filter
EFI	Vent to Emission Filter with Indicator
EFISS	Vent to Stainless Steel Emission Filter with Indicator
Process Temperature	
S	Standard (Process Temperature < 140F
C	Cooler Required (Process Temperature > 140F
Process Pressure Range	
1	0-100 psi Inlet Pressure Gauge
2	0- 200psi Inlet Pressure Gauge
3	0- 300psi Inlet Pressure Gauge
4	0- 400psi Inlet Pressure Gauge
Q	Other (please specify)
Shroud Material	
DR	Delrin
SS	Stainless Steel
Options	
EP	Secondary Isolation Valve
PS	PipeStand (2")
PBI	Process Isolation Valve (Inlet)
PBR	Process Isolation Valve (Return)
DS	Dual Pipe Stand for mounting cooler
ENC	Mounted in Enclosure
PX	No Process Return (Return to Vent)

