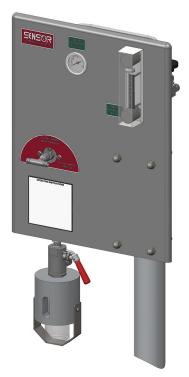


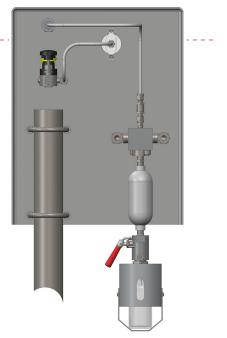
PIBSS PRESSURE ISOLATING BOTTLE SAMPLING SYSTEM



The SENSOR Pressure Isolating Basic Sampling System (PIBSS) is designed for safe and reliable closedloop "grab" sampling of liquids at process pressures greater than 150 psig (X bar) or for any application for which the operator wishes to collect a repeatable volume of process liquids. The SENSOR sample valve is designed to operate under continuous flow via a bypass or parallel line off the main process piping. The inclusion of a secondary isolation valve ensures that the sample container is not exposed to process pressure.

Features and Benefits

- Highly customizable based on process conditions and operator requirements
- Primary Flow-Thru Sample Valve features a side-ported needle valve with packing below the threads; ensuring that the stem will not seize due to process build up.
- Side-ported Vent Needle prevents plugging of vent port
- Secondary Isolation Valve below Volume Cylinder prevents bottle exposure to process pressure
- Can be designed to produce repeatable sample volume
- 316L standard material; other materials available
- Replaceable Process and Vent Needles
- Non-metallic bottle shroud protects operator in case of shattered bottle
- Customized Operation and Installation Manual for each system

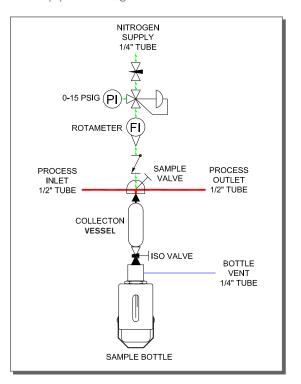




Materials of Construction

Sample Loop	316L Stainless Steel
Sample Valve	316L; 1/2" flow port
Process Needle	316SS; .083"148" OD
Vent Needle	316SS; .083" OD
O-Ring Material	Viton standard; optional Kalrez
Seal Material	Teflon
Bottle Shroud	PVC; 2 oz 32 oz.
Retaining Strap	Stainless Steel
Mounting Plate	Stainless Steel
Operating Pressure	2000 psig @ 70°F
Operating Temperature	135°F maximum without cooler; 800°F maximum with cooler and graphoil valve packing
Operating Temperature Optional Equipment	
	graphoil valve packing
Optional Equipment	graphoil valve packing Canister with activated carbon for use when no vent to flare is available; also available with indication crystals which change color to indicate
Optional Equipment Emissions Filter	graphoil valve packing Canister with activated carbon for use when no vent to flare is available; also available with indication crystals which change color to indicate saturated absorbent media
Optional Equipment Emissions Filter Isolation Valves	graphoil valve packing Canister with activated carbon for use when no vent to flare is available; also available with indication crystals which change color to indicate saturated absorbent media Isolation valves on sample inlet & outlet to allow for easy serviceability

Mounting 2" X 60" pipe stand; galvanized

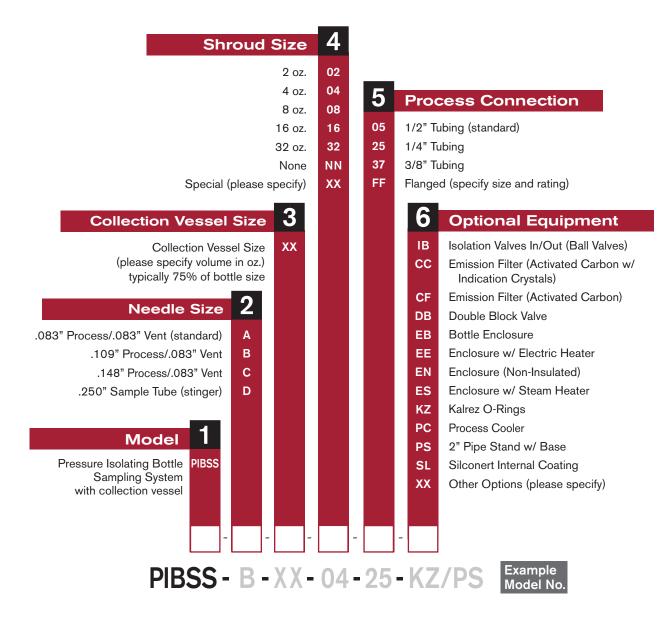


Pressure Isolating Bottle Sampling System $\ensuremath{\mathsf{PIBSS}}$ SENSOReng.com | Sampling Systems 281-902-3924 Form 1680 (10.19) ©SENSOR

SENSØR

Below is the quick select model number tree that provides you with all the options to configure and order a sampling system for your application.

- You must select a designator for each component
- You must supply a completed Application Data Sheet shown on pages 4 and 5





Date											
Name	Phone										
Company	Email										
GENERAL											
Media	Tag Numbers										
*Pressure Inlet	Pressures over 150 PSI, Fixed Volume System is recommended										
*Fast Loop Outlet Pressure											
*Vapor Pressure	Vapor Pressures > 19 psiA recommended sampled in Sample Cylinder										
*Viscosity	(CP) at Sampling Temperature										
*Temperature	For temperatures over 135°F, Process Cooling is recommended										
Particles in Sample O Yes O No	Micron Size (%) if >100 micron y-strainer recommended										
MATERIALS											
*Wetted Parts O 316SS (std.) O Monel 400	O Hastelloy C276 O Other *specify										
*O-Ring Material (Elastomer) O Viton (std.)	O Kalrez O Other *specify										
*Valve Packing Material O Teflon (std.)	O Graphoil (Hi. Temp)										
CONNECTION AND MOUNTING											
*Sample Inlet/Outlet Connection Size (1/4" Tube Stand	ard)										
*Sample Inlet/Outlet Connection Type (specify tube, NF	Й, Flange)										
	/ent to Carbon Absorber Tell Tale Crystals										
CONTAINER											
Size											
	Safety Coated Glass O Other *specify										
*Sampling Method O Septum Bottle (closed loc											
51	Customer (provide sample for manufacturing)										
OPTIONS											
O PipeStand for Mounting System											
	O Needle Evacuation System (NES)										
O Secondary Sample Isolation Valve											
O Sample Cooler Heat transfer document needed. O Enclosure Type Insulated O Yes O No											
O Enclosure Type Insulated O Yes O No Heated O Yes O No	if yes, O Steam or O Electric if electric, Volts										
O Process Block Valve O Sample Inlet											
O Check Valve on Vent											
	09 Q .148 Q 1/4" Stinger										
O Steam Stinger											
O Collection Vessel Size O oz. O mL	(if applicable)										

Use page two for any comments/include sketch if available.

*Required information



SKETCH VESSEL or APPLICATION HERE

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Pressure Isolating Bottle Sampling System $\ensuremath{\mathsf{PIBSS}}$

Bottle	System	Application	Data Sheet



COMMENTS	

Sampling Systems at SENSOReng.com

BBSS

Basic Bottle Sampling System

- Simple, flow-thru valve design
- Zero dead volume
- Replaceable process and vent needles
- Available with SENSOR Needle Evacuation System (NES)





LGSS & VSS

Liquefied & Vapor Gas Sampling Systems

- Safe, simple methodology for sampling high pressure liquefied gases and process gases
- Single handle operation
- Panel mounted pressure gauge
- Sight glass ensures safe cylinder outage on LGSS
- Ability to depressurize quick connects before removing cylinder

PIBSS

Pressure Isolating Bottle Sampling System

- Guarantees repeatable sample volume
- Zero dead volume
- Replaceable process and vent needles
- Suitable for high process pressures
- SENSOR Needle Evacuation System (NES) standard



ISS

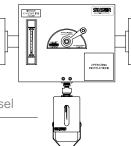
- Inline Sampling System
- · Available in wide variety of piping materials and end connections
- Suitable for high temperature, high viscosity service
- · Available with open tube "stinger" or process needle

RSS

RAM Sampling System

- Available in wide variety of piping materials and end connections
- Suitable for high temperature, high viscosity service
- Available with open tube "stinger" or process needle
- Can be provided with a variety of connections to mate up to existing piping or vessel

OPERATING



SENSOReng.com | Sampling Systems 281-902-3924

Pressure Isolating Bottle Sampling System PIBSS



Sampling Systems Houston, TX 281-902-3924

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