SPECIFICATIONS

Description	Pharmenta AptiPort Sampling Valve (BSV Series)
Sample connection size	1/2"
Tank Connection	25mm/1" Ingold
	37mm/1.5" Tri-Clamp
	2" Weld-in
Body Material	Barstock ASTM A276/A479 316L (S31603)
Bonnet Material	ASTM A276/A479 316L (S31603)
Handwheel Material	PPSU
Diaphragm Material	EPDM (FKM or Silicon Options)
Diaphragm Retainer	ASTM A276/A479 316L (S31603)
Electropolishing	Validated as per ASME BPE (2014)
Pressure Rating	6 Bar (90psi)
Operating Temperature Range	0°C to 135°C (32°F to 275°F)
Operating Modes	Manual and Pneumatic
Quality and Compliance	EN 10204 3.1 Certified Materials Latest Edition of the US Pharmacopea Class VI Certified as per Pressure Equipment Directive 2014/23/EC

Diaphragm Material	Steam	Liquid Media	
		Min	Max
EPDM	Constant 135°C (275°F)	-10°C (14°F)	90°C (194°F)

Pharmenta™

8044 Montgomery Road, Suite 700
Cincinnati, OH 45236
USA
513-322-3733 ph
513-322-0160 fax
www.pharmenta.com

ABOUT PHARMENTA

Pharmenta, Inc. was founded in 2003 and is headquartered in Cincinnati, OH. Pharmenta is committed to the pursuit of quality and excellence in the development, production and manufacturing of engineered diaphragm valves and specialty equipment for sanitary processing. Pharmenta stands out for its fresh solutions to age-old industry problems. Each one of Pharmenta's product lines is the result of careful study of real industry problems and requirements, and a passion for finding an optimal solution.

COMPREHENSIVE TESTING

Pharmenta valves are rigorously tested to industry standards, including SIP thermal cycling, CIP flow testing, and verification of drainability and fluid control. Additionally, valves can be tested to custom specifications.

GLOBAL NETWORK

Pharmenta's global network of distribution, manufacturing and engineering partners ensures fast time to market. and responsiveness to your purchase and support needs.

ENGINEERING SERVICES

Pharmenta supports its customers through engineering services including modular design, flow analysis and calculations based on customer request.

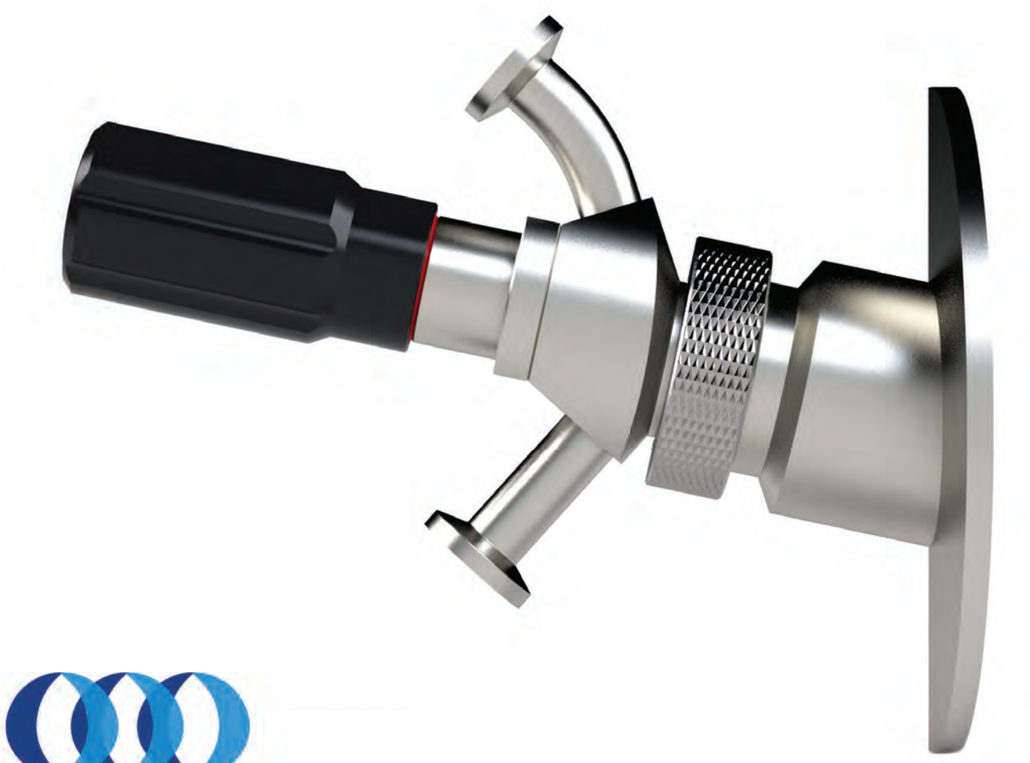
DIDN'T FIND WHAT YOU NEED?

Give us a call. We love engineering challenges.

BSV SERIES

PHARMENTA APTIPORT™ SAMPLING VALVE

INSTALLS IN AND DRAINS FROM INCLINED SENSOR PORTS



Pharmenta™

Pharmenta Aptiport™ Sampling Valves

Use ANY sensor port on your tank to capture process samples. . .in seconds.

It takes less than 60 seconds to exchange a blind plug or sensor (pH, D.O., CO2, etc.) for a AptiPort sampling valve and turn that port into a sampling port. While the vessel is not in operation, remove an unused sensor or plug from a port, and slip in the AptiPort sampling valve. Tighten its collar onto the port, connect the steam and drain lines and you are ready. No cutting, no welding and no tank recertification required.

The AptiPort even drains from inclined sensor ports

Whether your tank port is a threaded Ingold port inclined at 15^0, a tri-clamp port at 5^0 or something in between, the AptiPort sampling valve, with its steeply sloped internal drain passage, will passively drain.

AptiPort sampling valves passively drain by gravity, not by air-purging

GMP guidance says an important design feature of reliable cleanable process equipment is gravity drainability without assist. The internal drain passage within Pharmenta's AptiPort sampling valve is steep enough that it always has enough slope to drain completely, even when installed in inclined ports. That is our way of assuring that your last sample will be as clean and pure as your first.

Easily retrofit existing tanks.

Since any available port can be used, there are no tank design prerequisites for installing an AptiPort sampling valve. And because it installs so quickly and easily, using the AptiPort approach you can easily standardize your entire company on a single sampling solution overnight.

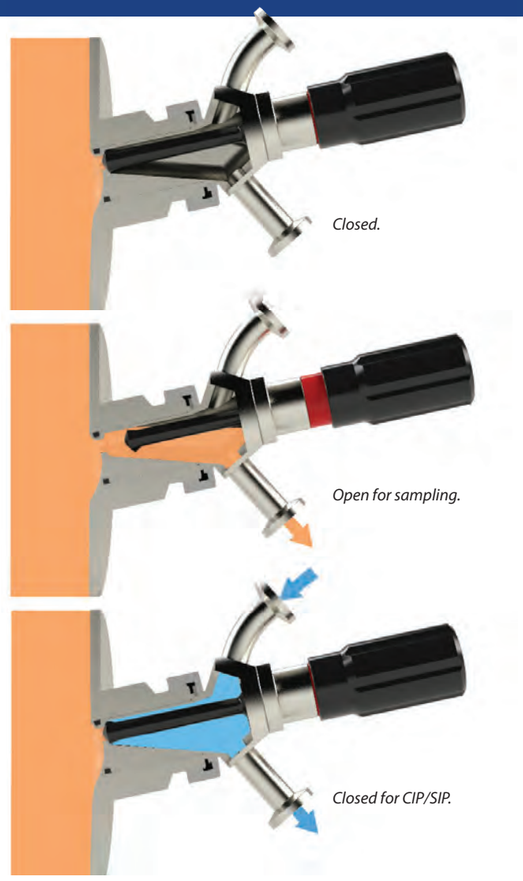
Benefit from standardizing on AptiPort sampling valves.

- One sampling procedure to learn.
- One validation protocol to file.
- One maintenance protocol to follow.
- Just one type of spare parts to inventory.
- Fewer sampling variables for R&D, Production and QA teams to deal with.

.

Available for standard 1" Ingold ports or 1.5" Tri-Clamp ports, or weld-in.

Turn Sensor Ports Into Sampling Ports



Features

- Internal valve passages fully self-draining whether installed in declining, horizontal or inclined ports.
- Installs in minutes, just like a sensor (pH, DO, etc.)
- Easily retrofit onto most existing tanks made in past 40 years.
- Installation requires no welding, cutting or tank recertification.
- State-of-the-art radial diaphragm proven to significantly outlast the competition.
- The actuator design prevents diaphragm over compression, further extending seal life.
- Rear installing diaphragm for fast, easy maintenance.
- O-ring backup seals for added protection of your process.
- Large bore orifice allows large particle sampling of large particles (e.g. fungal.)
- Flush mounting.

INDUSTRIES

- Biotech
- Pharmaceutical
- Food & Beverage
- Chemical

TYPICAL APPLICATIONS

- Bioreactors/Fermentors
- WFI System Storage tanks
- Formulation/Mixing Tanks
- Sterile Holding Tanks
- Buffer Tanks
- General Storage Tanks