

Manual or automated Sampling Systems

for safe, representative and closed sampling of aggressive or toxic media out of reactors and tanks – quick, reliable, without any process interruption.

Modular Design

PFA-lined Reactor Sampling Systems are available such as SRS-P or SRS-P-E for manual operation resp. SRS-P-P with air driven diaphragm pump. Flange connections acc. to ANSI 150lbs.

The systems operate, i.e. extract the required sample by means of vacuum or under pressurized conditions. In addition to the basic units, a large variety of accessories and options can be selected and the system will be assembled easily and complete, just according to the given specification.

Versions



SRS-P
manually



SRS-P-P
with diaphragm pump

Main Features

- Robust construction, assuring easy and safe operation
- Simple extension with additional components resp. upgrading of existing systems
- Main valve standard 1"-150lbs, PFA-lined, manually operated
- 2-hole mounting plates for easy installation of additional valves or connections
- Ball seat made of Perfluor, for wear-free and reliable sealing of the PTFE hollow ball

Operating Conditions

- | | |
|---|---|
| • Operating pressure main valve | 232 psi |
| • Operating pressure sight glass unit | 145 psi |
| • Temperature range main valve | -40°F up to +400°F, depending on material selection |
| • Vacuum (suction head approx. 9.84 ft) | 7.25 psia |
| • Sampling volume standard | 150 / 250 ml (5.07 / 8.45 oz) |

Testing / Marking

- Pressure- and tightness testing acc. to EN 12266-1, leakage rate A, resp. API 598.
- Marking of valves on body and name plate acc. to EN 19.
- Material- resp. test certificates acc. to EN 10204-3.1/2.2/2.1

Systems PFA-lined (opt. PFA-AS conductive)

- | | |
|----------------|---|
| SRS-P | Standard version, manually operated |
| SRS-P-E | with PVDF suction nozzle (ejector) |
| SRS-P-P | with PTFE diaphragm pump (opt. PTFE-AS) |

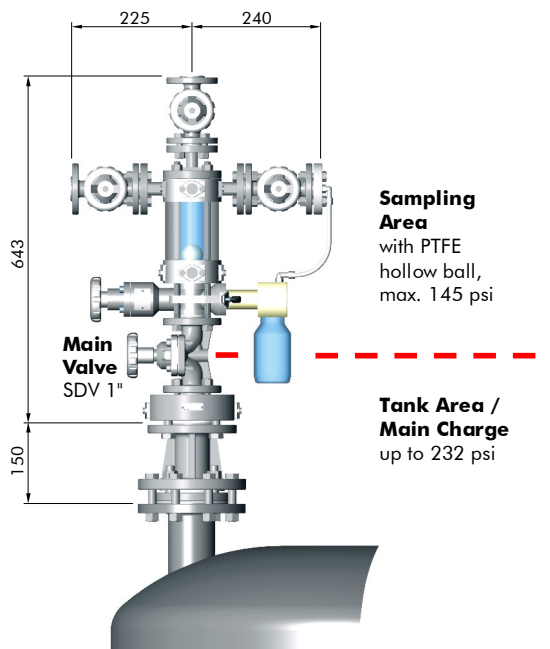
Special systems, options and accessories acc. to detailed specification

SRS-P manually operated

for safe, representative and closed sampling of aggressive or toxic media out of reactors and tanks – quick, reliable, without process interruptions.

Modular Design

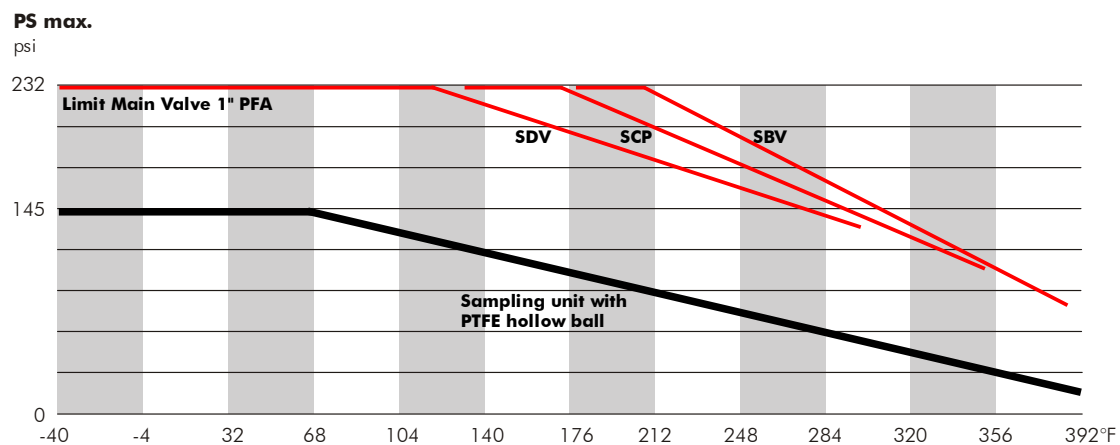
The systems operate, i.e. extract the required sample by means of vacuum or under pressurized conditions.



Main Features

- Robust construction, assuring easy and safe operation at any time
- Sampling volume standard 150 ml (5.07 oz) resp. 250 ml (8.45 oz)
- Simple extension with additional components resp. upgrading of existing systems
- Main Valve standard 1"-150lbs, PFA-lined, manually operated (optional with SDV Diaphragm Valve, SCP Cylindrical Plug Valve or SBV Ball Valve)
- 2-hole mounting plates for easy installation of additional valves or connections
- Various reserve connections
- Ball seat made of Perfluor, for wear-free and reliable sealing of the PTFE hollow ball
- Flange connections acc. to ANSI (DIN optional)

Operating Conditions / PT Diagram

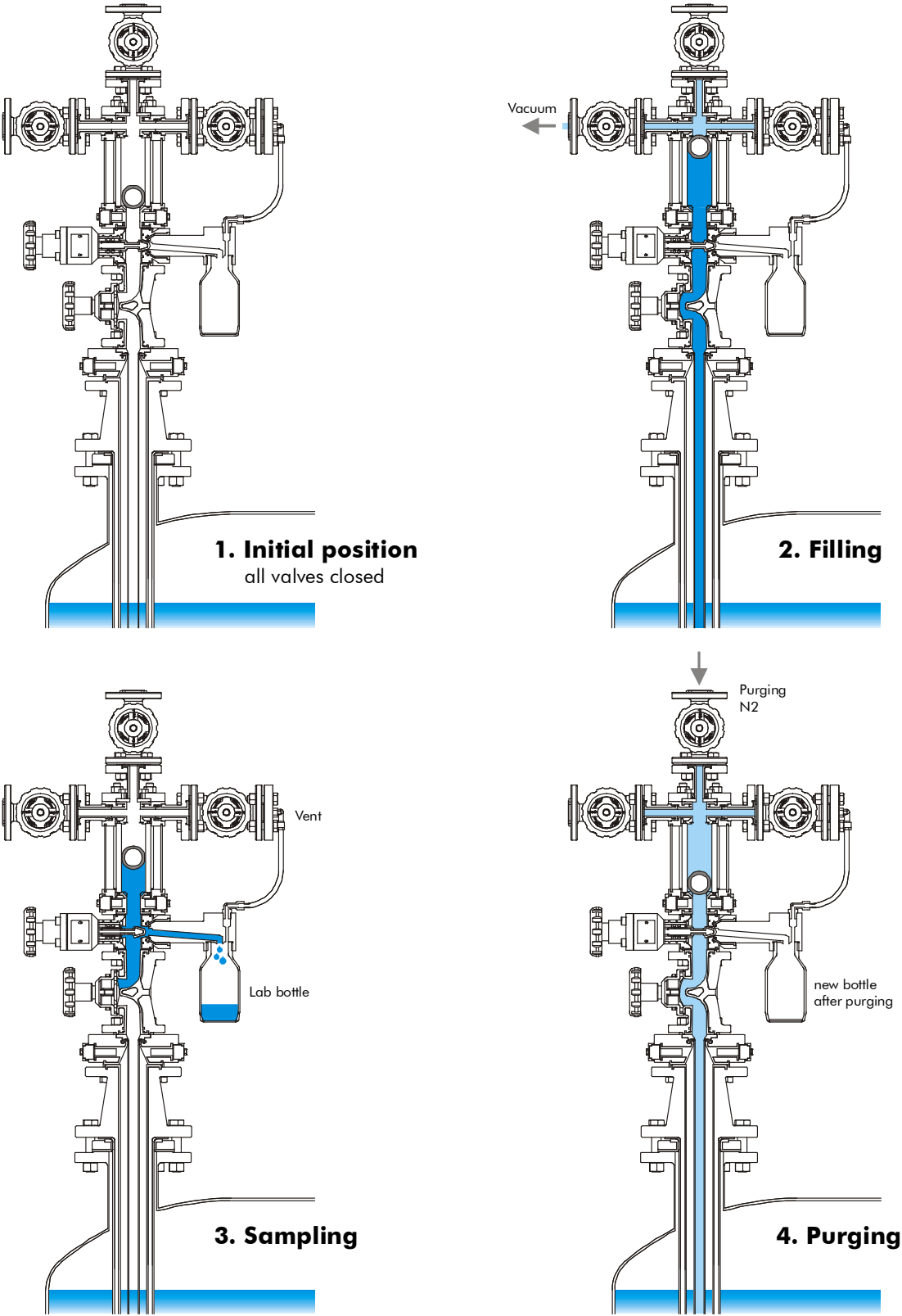


Testing / Marking

- Pressure- and tightness testing acc. to EN 12266-1, leakage rate A, resp. API 598.
- Marking of valves on body and name plate acc. to EN 19.
- Material- resp. test certificates acc. to EN 10204-3.1/2.2/2.1

SRS Reactor Sampling Systems plastomer-lined

Function of SRS-P manually operated, with vacuum or pressurized tanks



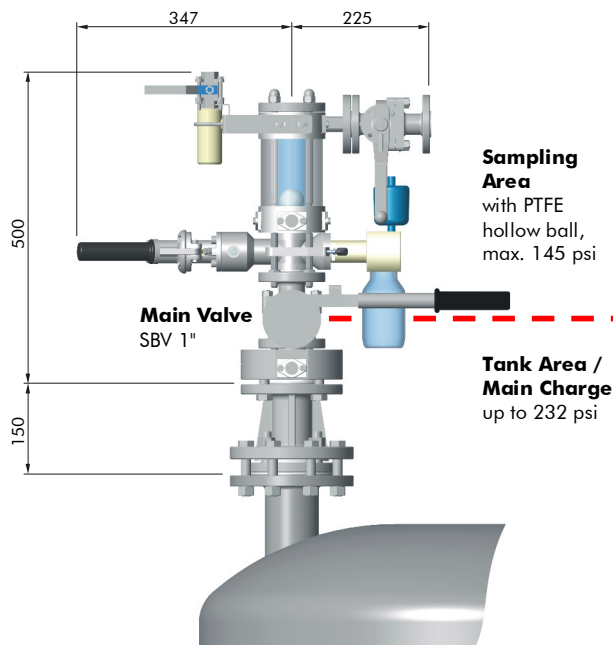
SRS-P-E

manually operated, with suction nozzle

for safe, representative and closed sampling of aggressive or toxic media out of reactors and tanks – quick, reliable, without process interruptions.

Modular Design

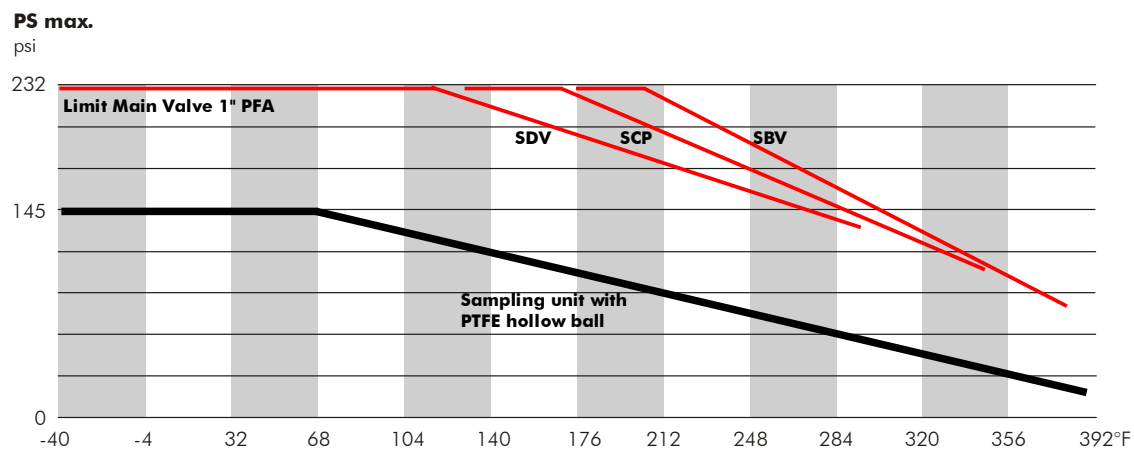
The systems operate, i.e. extract the required sample by means of vacuum through the suction nozzle.



Main Features

- Robust construction, assuring easy and safe operation at any time
- Sampling volume standard 150 ml (5.07 oz) resp 250 ml (8.45 oz).
- Simple extension with additional components resp. upgrading of existing systems
- Main Valve standard 1"-150lbs, PFA-lined, manually operated (optional with SDV Diaphragm Valve, SCP Cylindrical Plug Valve or SBV Ball Valve)
- 2-hole mounting plates for easy installation of additional valves or connections
- Various reserve connections
- Ball seat made of Perfluor, for wear-free and reliable sealing of the PTFE hollow ball
- Flange connections acc. to ANSI (DIN optional)

Operating Conditions / PT Diagram

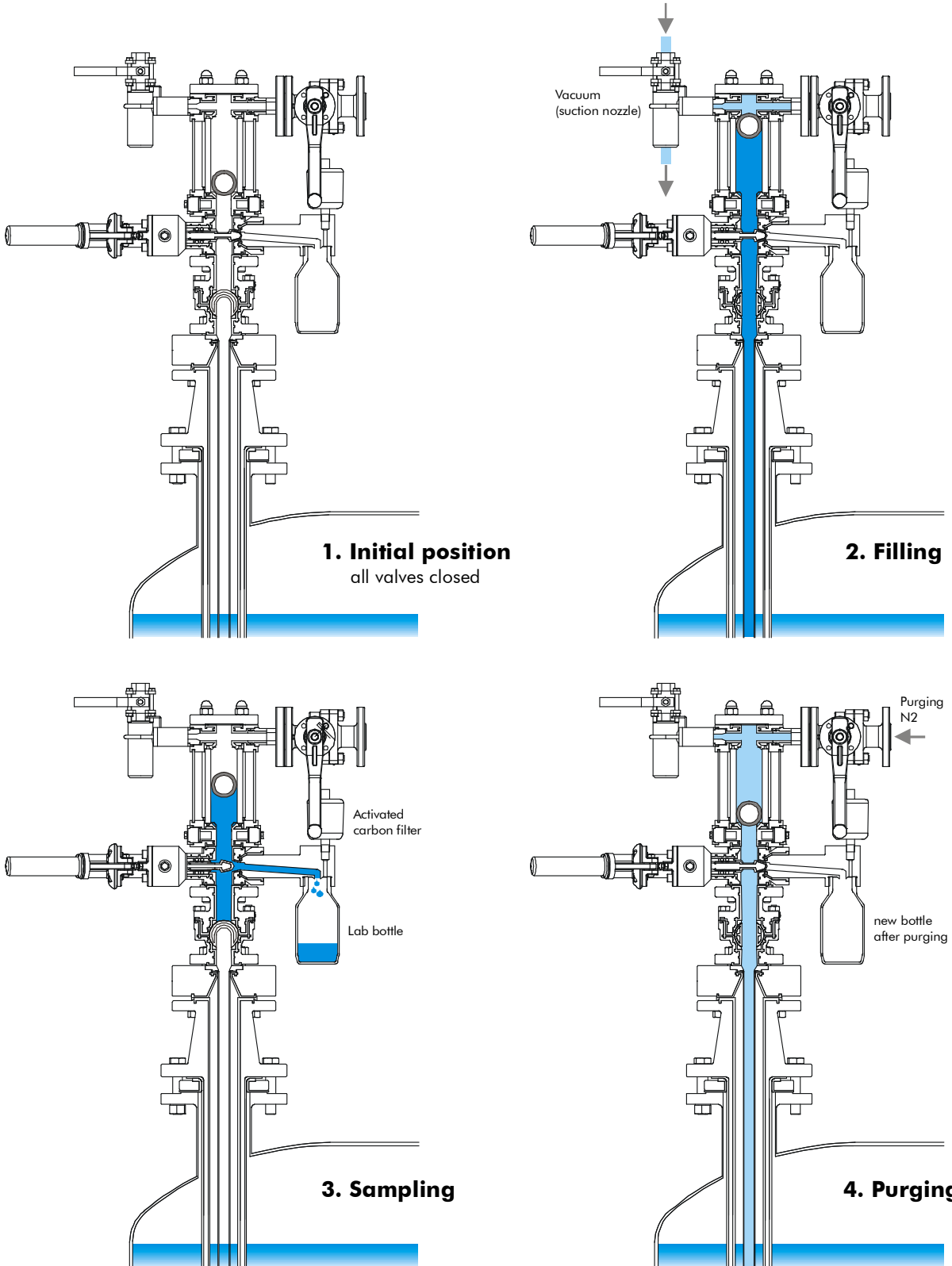


Testing / Marking

- Pressure- and tightness testing acc. to EN 12266-1, leakage rate A, resp. API 598.
- Marking of valves on body and name plate acc. to EN 19.
- Material- resp. test certificates acc. to EN 10204-3.1/2.2/2.1

SRS Reactor Sampling Systems plastomer-lined

Function of SRS-P-E manually operated, with vacuum through suction nozzle

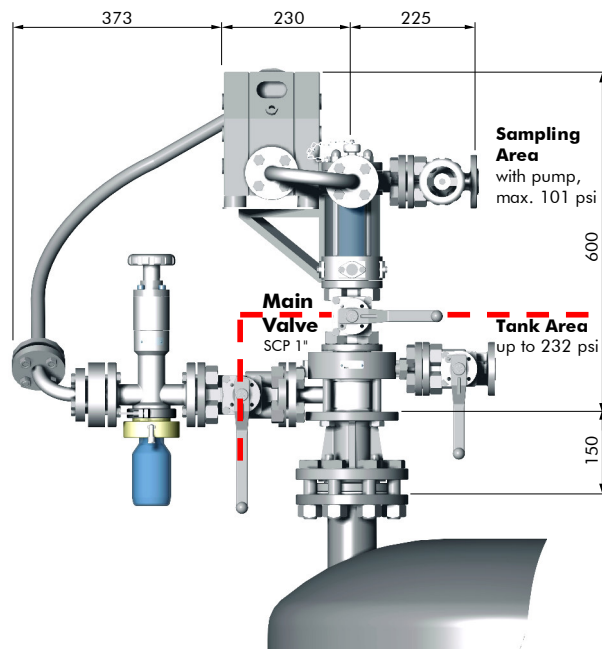


SRS-P-P with air driven diaphragm pump

for safe, representative and closed sampling of aggressive or toxic media out of reactors and tanks – quick, reliable, without process interruptions.

Modular Design

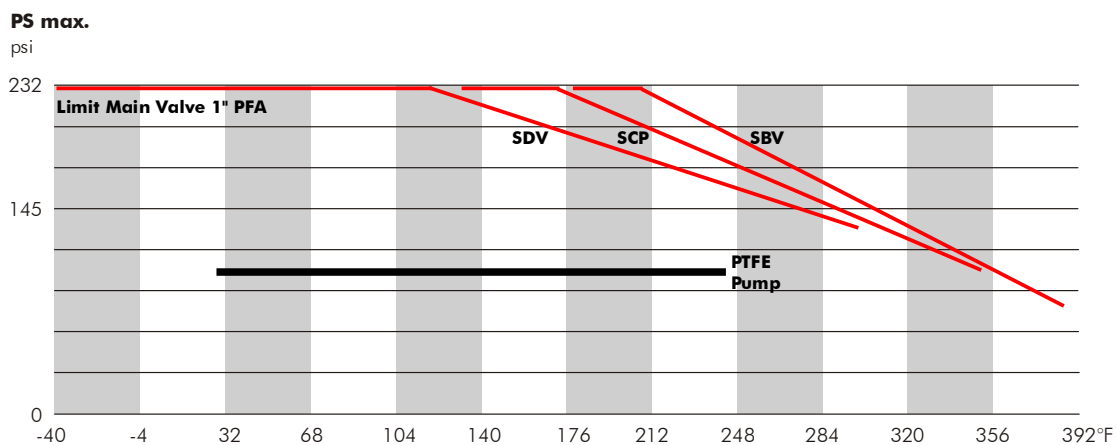
The systems operate, i.e. extract the required sample by means of vacuum through the diaphragm pump.



Main Features

- Robust construction, assuring easy and safe operation at any time
- Sampling volume standard 150 ml (5.07 oz) resp. 250 ml (8.45 oz)
- Simple extension with additional components resp. upgrading of existing systems
- Main Valve standard 1"-150lbs, PFA-lined, manually operated (optional with SDV Diaphragm Valve, SCP Cylindrical Plug Valve or SBV Ball Valve)
- 2-hole mounting plates for easy installation of additional valves or connections
- Various reserve connections
- Air driven diaphragm pump made of PTFE or PTFE-AS (conductive)
- Flange connections acc. to ANSI (DIN optional)

Operating Conditions / PT Diagram

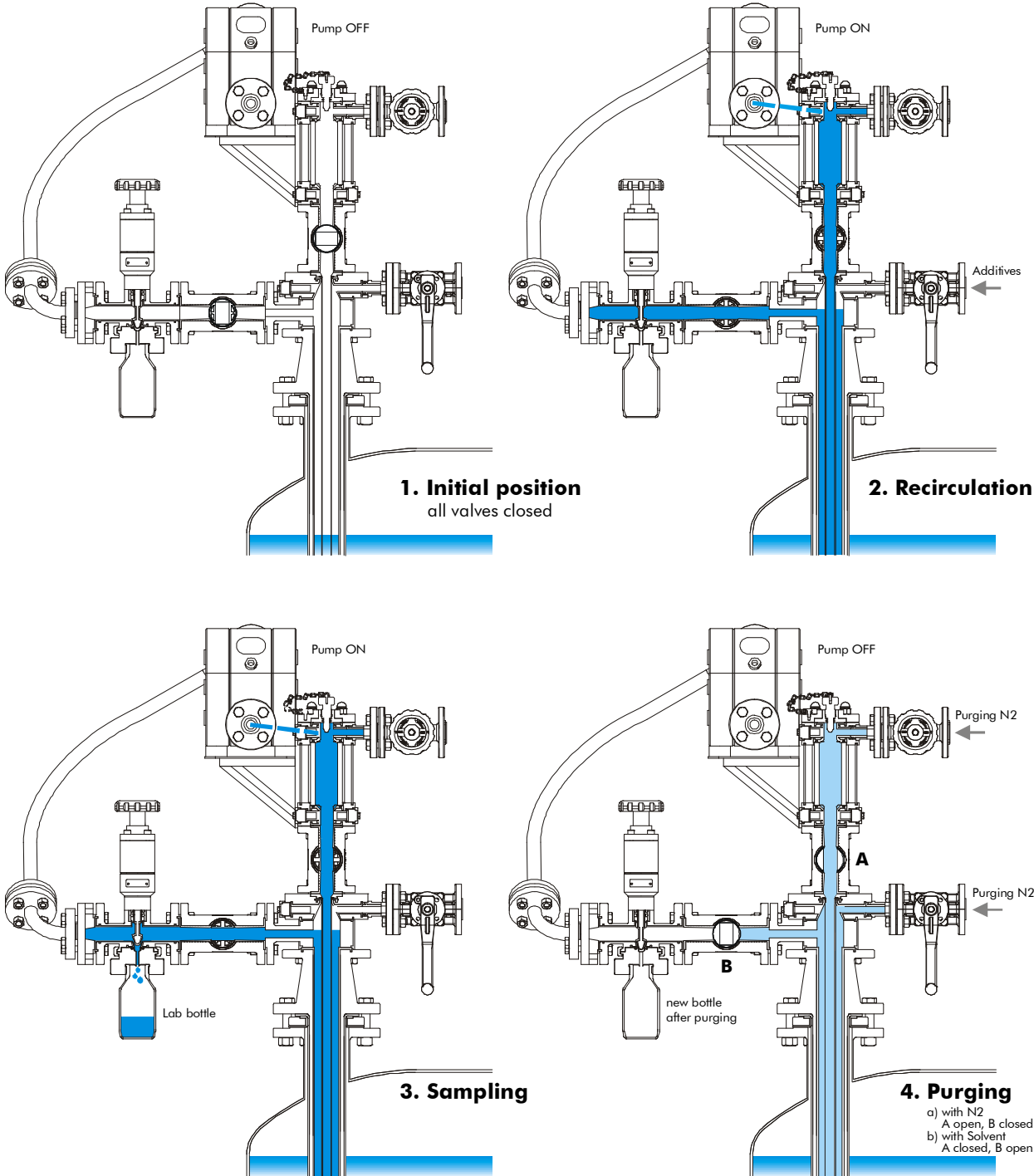


Testing / Marking

- Pressure- and tightness testing acc. to EN 12266-1, leakage rate A, resp. API 598.
- Marking of valves on body and name plate acc. to EN 19.
- Material- resp. test certificates acc. to EN 10204-3.1/2.2/2.1

SRS Reactor Sampling Systems plastomer-lined

Function of SRS-P-P with vacuum through air driven diaphragm pump



Specification of a complete SRS Reactor Sampling System

(function from approx. 7.25 psia vacuum absolute, up to pressurized system)

Date: _____ Distribution / Sales agent: _____
 Company: _____ Name: _____ Department: _____
 Street: _____ City / State: _____
 Phone: _____ Fax: _____ E-Mail: _____

New plant Renovation Refurbishing Project name: _____
 Reactor type / Supplier: _____ Size / Contents: _____ Liters Material: _____
 Quantity: _____ Delivery time required: _____

Does customer have already any sampling systems? Yes / Supplier and type: _____ No
 Problems with existing type? Yes / what problems?: _____ No

Design data of the system

- 1.) Flange connection on reactor: Size _____ Class _____ lbs others: _____
- 2.) Dip pipe: Yes / Dip pipe straight Yes / Dip pipe bend (add sketch) No
- 3.) Material dip pipe: 316L PTFE encapsulated others: _____
- 4.) Length of dip tube from reactor flange connection: _____ mm
- 5.) Material sampling system: 316L Teflon-PFA lined others: _____
- 6.) How does customer take the sample out of reactor: with vacuum
 with vacuum, via suction nozzle
 with existing pressure of the reactor
 with air driven diaphragm pump (flow circulation)
- 7.) Additional, wished functions: pH-monitored temperature-monitored Redox-monitored
 (with Diaphragm Pump) others: _____
- 8.) Sampling with gas return circuit via by-pass:
- 9.) Sampling with IN-LINE Sampling Valve via 90° vertical adapter:
- 10.) Actuator IN-LINE-Sampling Valve: Handwheel Handwheel, spring return Deadman lever
- 11.) Deadman lever at the main valve: Yes No
- 12.) Sampling volume: _____ ml
- 13.) No. of tests within 24 hours.: _____
- 14.) Sampling taken into: open bottle GL45 customers bottle
 closed bottle with septa GL32 customers bottle
 Safety cabinet / Enclosure
- 15.) PTFE Suction hose diameter x length: 0.35/0.47x _____ inch 0.63/0.75x _____ inch others: _____
- 16.) Suction lift, dry with the air driven diaphragm pump: _____ ft
- 17.) Additional valves and type for cleaning / purge / vent: _____
- 18.) Additional accessories : _____
- 19.) Test / certificates: _____
- 20.) Remarks: _____

Process media

- 1.) Name of media / chemical composition : _____
- 2.) Concentration in %: _____
- 3.) Working pressure or vacuum during sampling: _____ psi / vacuum psia
- 4.) Design pressure: _____ psi / vacuum psia
- 5.) Working temperature during sampling: _____ °F
- 6.) Design temperature: _____ °F
- 7.) Viscosity during sampling: _____ cp
- 8.) Solid particles during sampling: Yes / particle size: _____ my No

Contact person: _____ Answer until: _____ Enclosures: _____

По вопросам продаж и поддержки обращайтесь:

Волгоград (844)278-03-48, Воронеж (473)204-51-73, Екатеринбург (343)384-55-89, Казань(843)206-01-48,
 Краснодар(861)203-40-90, Красноярск(391)204-63-61, Москва(495)268-04-70, Нижний Новгород(831)429-08-12,
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