

Sr. No	Description	Qty Required Nos
1	2	3
1	PFA/PTFE lined Sampling System without pump for Reactors and Vessels (Specifications Attached Annex-B1)	1
2	PFA/ PTFE lined Sampling System with compressed air diaphragm pump for Reactors and Vessels (Specifications Attached Annex-B2)	1

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PFA / PTFE lined Sampling Systems without Pump for Reactors/Vessels

Process Data:

- Molecular weight of liquid up to 170
- Liquid Density up to 1.8
- Temperature Range: 20-50°C
- Pressure inside reactor 600 mmws

System Specifications:

- Sample Size 350 ml
- Whole systems must be PFA / PTFE lined
- Connection Flanged (ASME Class 150), PCD=190mm
- Size of nozzle at which sampling 100 mm
- system will be fitted
- Depth of sampling pipe inside 3.0ft
- the reactor
- System holdup after sampling NIL

Special Requirements:

- Sampling system must have the capability of purging the liquid inside the same reactor
- Sampling system must have the capability that after sampling the left over material inside the system can be emptied inside the reactor.

Documents:

- Offers shall include technical literature, material certificates, drawings, operational, installation and maintenance manual

Note:

- Quotations are required from well reputed manufacturing companies.
- Pre-shipment inspection for the above mentioned systems will be carried out.
- A sample drawing Annex B1(2/2) is attached herewith for quick reference.

PFA / PTFE lined Sampling Systems with Pump for Reactors/Vessels

Process Data:

- Molecular weight of liquid up to 170
- Liquid Density up to 1.8
- Temperature Range: 20-50°C
- Pressure inside reactor 600 mmws
- Nature of liquid Corrosive

System Specifications:

- Sample Size 350 ml
- Whole systems must be PFA / PTFE lined
- Circulation Pump Air operated diaphragm pump
- Connections Diaphragm material (PFA/PTFE)
- Size of nozzle at which sampling Flanged (ASME Class 150). PCD=190mm
- System will be fitted 100 mm
- Depth of sampling pipe inside 3.0ft
- the reactor NIL
- System holdup after sampling

Special Requirements:

- Sampling system must have the capability of purging the liquid inside the same reactor
- Sampling system can be emptied inside the reactor.

Documents:

- Offers shall include technical literature, material certificates, drawings, operational, installation and maintenance manual

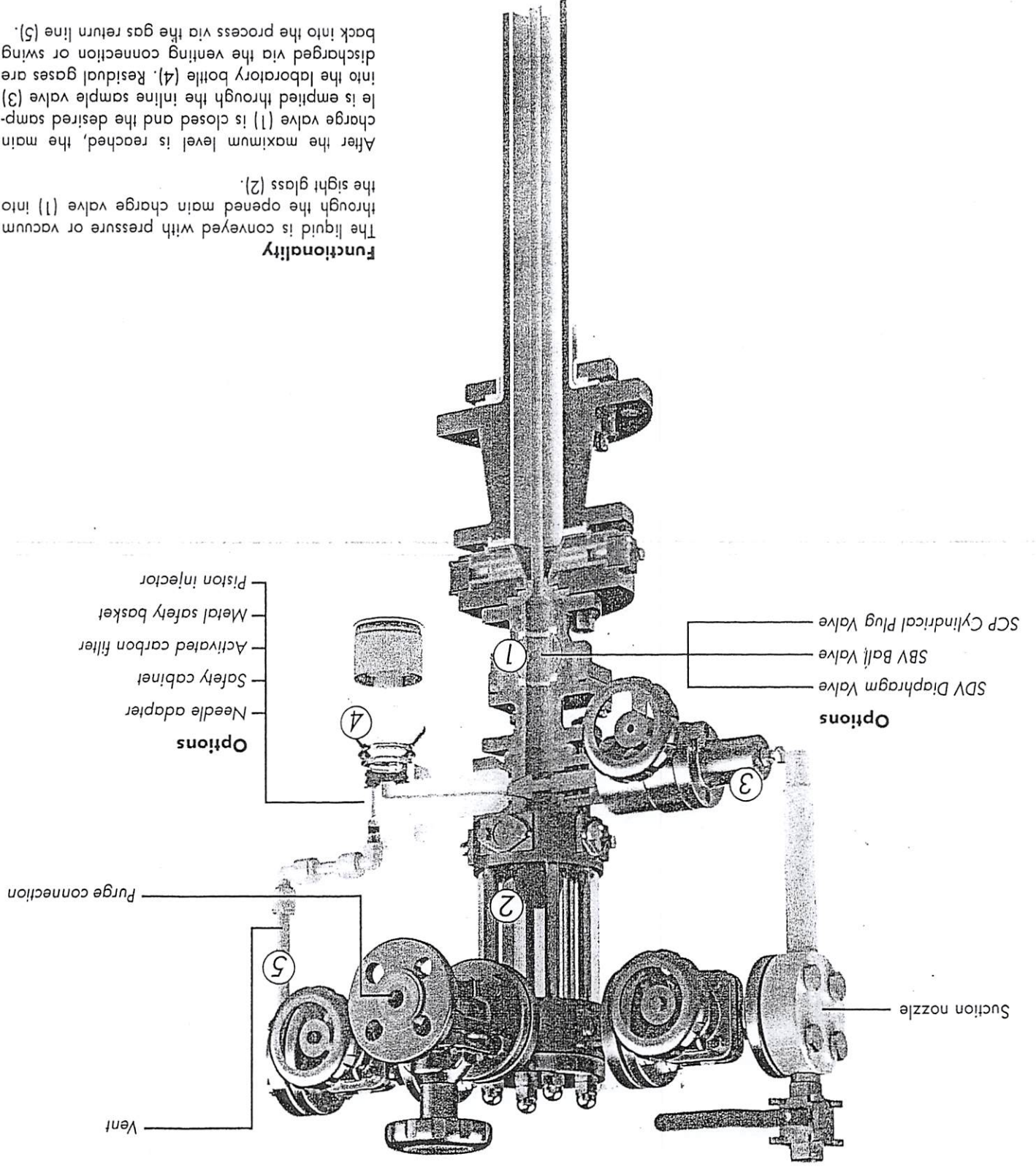
Note:

- Quotations are required from well reputed manufacturing companies.
- Pre-shipment inspection for the above mentioned systems will be carried out.
- A sample drawing Annex B2(2/2) is attached herewith for quick reference.

SRS-P-E Sampling System for Reactors and Vessels

The SRS-P-E is light weight, economical and is suitable for almost all vessels and reactors. It can be configured many different ways.

Cutaway Model showing Options



Options

- SCP Cylindrical Plug Valve
- SBV Ball Valve
- SDV Diaphragm Valve

Options

- Needle adapter
- Safety cabinet
- Activated carbon filter
- Metal safety basket
- Piston injector

Functionality

The liquid is conveyed with pressure or vacuum through the opened main charge valve (1) into the sight glass (2). After the maximum level is reached, the main charge valve (1) is closed and the desired sample is emptied through the inline sample valve (3) into the laboratory bottle (4). Residual gases are discharged via the venting connection or swing back into the process via the gas return line (5).

SRS-P-P Sampling System with Pump for Reactors and Vessels

The SRS-P-P excels with simple operation and variable sampling. The pump generates a constant flow and allows multiple samples to be taken in one cycle.

Cutaway Model showing Options

