



## Piston Sampler Type KS

### Description

The sampler makes it possible to take samplers continuously and aliquote from liquids flowing through pipelines. When the piston is in its final position "II", the sample flows into the calibrated area between the gasket ring pairs. During the movement of the piston towards "I", the sample is forced through the bore in the housing and runs into the sampler vessel, due to gravity.

The volume of the sampler per stroke may be designed differently. The ratio of sample to flow rate is determined by the stroke frequency.

### Technical Data

Fittings	Clamp-fitting 1½"
Sample volume per stroke (can be calibrated at works)	0.5 – 3.0 cm <sup>3</sup> depends on construction
Stroke frequency	60 min <sup>-1</sup> max.
Pressure in the product pipeline	0.5 - 7 bar abs.
Temperature of product	80°C max. (in the course of cleaning up 100°C for a short time)
Drive	Pneumatic cylinder, double working
Air pressure	Pneumatic cylinder, double working
Pneumatic fittings	for hose 4 x 1
Purging joint	R 1/4" for pipe 6 x 1 (on request)
Air consumption	17 NI/min max.
Materials:	
- housing	mat. 1.4301 (BS 970 304 S 16 / AISI 304)
- piston	mat. 1.4301 (BS 970 304 S 16 / AISI 304)
- gasket rings	buna N

### Construction

