

Fully ISO and API compliant
Low Maintenance Design
Not effected by pressure variations

GS-01 Gas Sampler

Air actuated gas sample extractor

The KPS GS-01 Gas Sampler provides a heavy-duty reliable and extremely accurate means of extracting gas samples from either high or low pressure pipelines.

The size of the sample is fully adjustable from 0 to 0.5ml and has a maximum operating pressure in excess of 2900psi (200bar). The KPS GS-01 uses pressure balanced self-lubricating seals to maximise service intervals and all construction materials are selected to eliminate corrosion by contaminants.

Since KPS already has an installed base on many offshore platforms, and since most gas produced today is “wet”, the design of the KPS GS-01 has been further developed to minimise maintenance requirements. The KPS GS-01 can be completely overhauled in less than 15 minutes. The KPS GS-01 operates at all pipeline pressures and will provide repeatable sample sizes regardless of pressure fluctuations. It operates as a pressure balanced pump and samples are discharged at pipeline pressure. This minimises evaporation or condensation and guarantees that each grab remains representative.

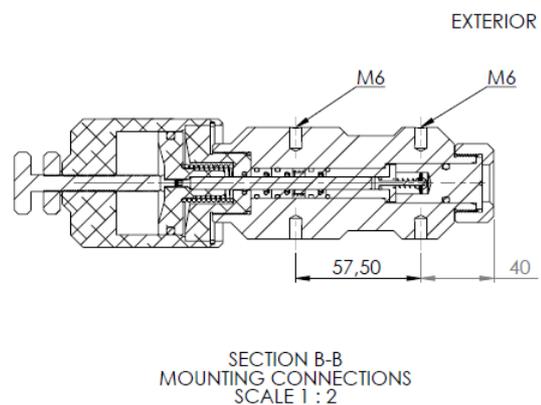
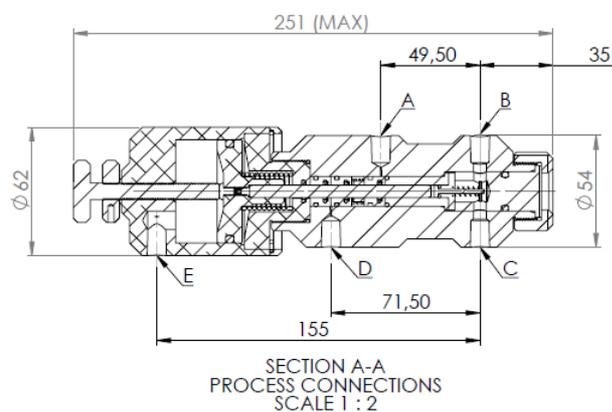
When integrated within a KPS Gas Sampling System, the KPS GS-01 will provide an accurate and representative sampling solution with minimum operating costs.



Specification

Air actuated sample extractor

Gas sampled	Natural gasses: Raw and Refined gasses
Line temperature range	-21 to +200°C / -6 to +392°F
Line pressure range	7-2900 psi (0,5 - 200 bar).
Sample size range	0 to 0.5ml.
Max Sample rate	30 samples/min.
Sampler connections	1/8" NPT female
Approx. weight	2Kgs
Actuation	Pneumatically operated (min air pressure 5-7 bar), can be configured to operate from pipeline gas.
Principle	Sample collected at line pressure, fixed volume or line balanced sample cylinders. Fully balanced pump, which is insensitive to variation in pipeline pressure. Slip stream sampling, DP induced.
Materials of construction	NACE compliant
Certification	Suitable for hazards specified



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- Automatic Crude Oil Sampling
- Online Analyzer Systems