PRODUCT DATA SHEET

Lubricant Sampling Valves

Description

Enhance the speed, efficiency, and accuracy of your lube sampling process with our recommended product. Engineered to perform reliably in all environmental conditions, this solution delivers best-in-class functionality across a wide range of applications.Whether you're sampling low- or high-pressure systems, or systems with minimal pressure, such as conveyor gearboxes, our recommended product simplifies the oil sampling process and improves data quality.

Optimise asset performance with sampling valves

In today's world of precision maintenance, oil analysis serves as an essential diagnostic tool for identifying early signs of equipment failure. It provides critical insights into asset health, enabling timely interventions to reduce costly downtime. Representative oil samples are the cornerstone of accurate oil analysis, and the method of collection plays a pivotal role in the reliability of your data.

Why use sampling valves?

Sampling valves revolutionise oil analysis by enabling data-rich, repeatable samples taken while equipment is operational. When oil is actively circulating, contaminants and particulates remain evenly distributed, ensuring a representative sample. For example, collecting a 75 ml oil sample from a running engine can accurately reflect the condition of an entire 45 L system-critical for both trending and fleet-wide comparisons.

Drop-tube sampling challenges

- Inconsistent results from tube curling or scraping debris at the reservoir's bottom or sides.
- Higher risk of contamination from external elements like dust, rain, or wind.
- Time-consuming, often requiring up to 20 minutes per sample.

These methods fail to deliver the data reliability needed for informed decision-making.

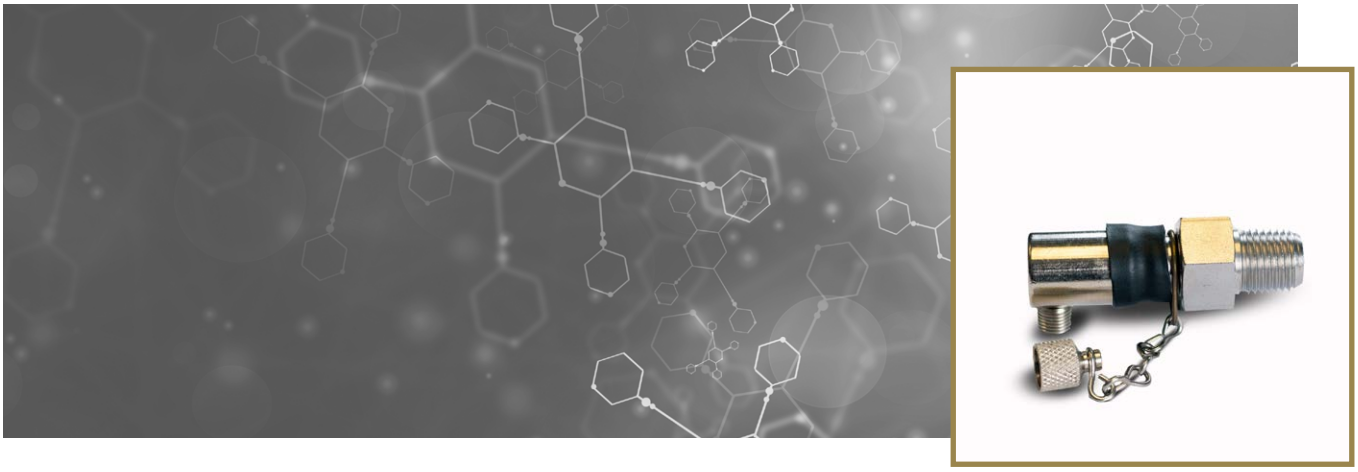
Drain sampling challenges

- Requires equipment shutdown, making it impractical for active monitoring.
- Sediment in the oil pan skews results, as particulate matter settles during shutdown.
- Involves variability due to inconsistent collection points and messy conditions.

ds132 May 2025

PRODUCT DATA SHEET

KP Push-button Sampling Valve Series



Description

The KP push-button sampling valve is designed for easy and contamination-free oil sampling in pressurised systems. Its push-button mechanism allows for effortless sample collection without the need for probes, minimising the risk of cross-contamination.

Benefits

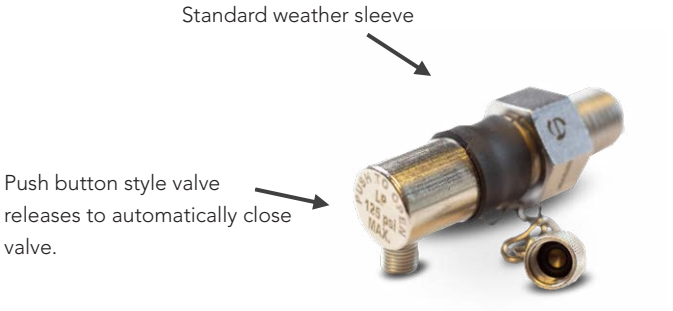
- No probes needed
- Low purge volume
- Automatic valve shut off
- Reliable: dual sealed design independently tested at 7800 psi for one million cycles
- Locknut available for extra protection against high vibration
- Silicone heat protection pad also available

Specifications

- Sampling pressure: 5-750 psi (0.03 - 5.17 MPa)

Applications

- Hydraulic
- Transmission
- Coolant
- Compressor turbines

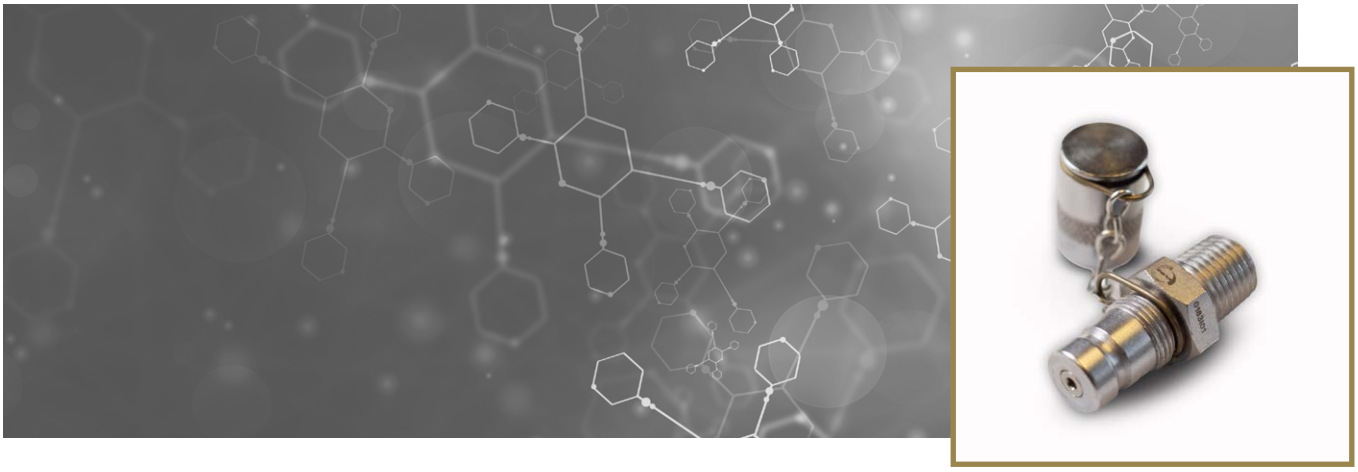


Part number	Locknut weathersleeve	Port thread size and type	Valve sealing	Valve material
KP14NV	Weathersleeve	1/4"-18 NPTF	viton	carbon steel

Notes: Other thread types and sizes are available - *valve sealing options: nitrile, viton, neoprene / valve material options: carbon steel, 316 stainless steel. Check availability at sales@lubrigard.co.za for availability, not all ranges are stocked.*

PRODUCT DATA SHEET

KST Valve Series



Description

The KST valve series is trusted worldwide in both low- and high-pressure systems for its robust, O-ring-sealed construction. Designed for efficiency, it enables fast and accurate sampling with a standard needle probe. With rigorous testing exceeding 1 million cycles, the KST delivers dependable performance in a completely leak-proof setup.

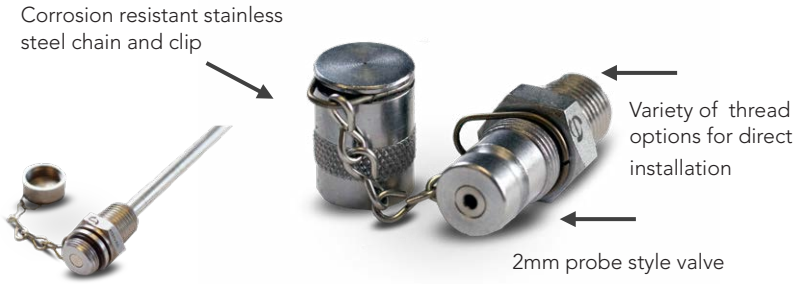
Benefits

- Low purge volumes
- Works with Wearcheck sampling-gun
- Dynamic sampling up to 4000 psi
- Can be used for pressure testing
- Reliable: dual sealed design independently tested at 7800 psi for one million cycles
- Popular mobile standard 2mm probe, compatible with SOS, probalizer and quick draw valves
- Note: sampling pressure greater than 750 psi require the VHKF probe

Probe	Use	Reusable
SVP1	For general sampling (5-750 psi)	No
KPB4	Push button connection for sampling (5-750 psi)	Yes
VHKF	For high pressure sampling (750 - 4000 psi)	Yes
KF-4NF	For pressure diagnostics	Yes

Specifications

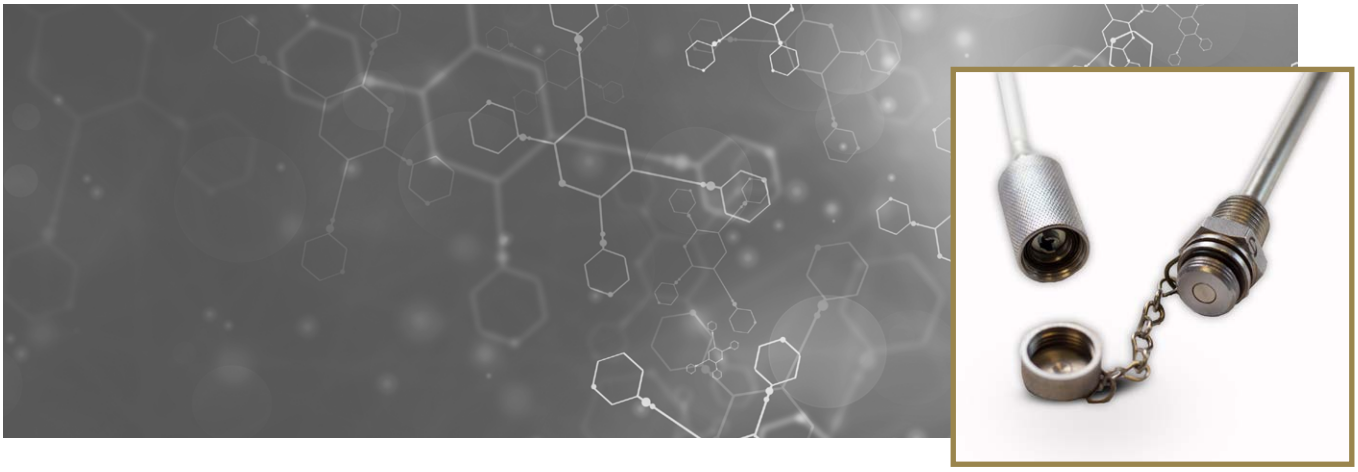
- Sampling range 5 - 4000 psi
- (0.03 - 27.6 MPa)



Part number	Locknut Weathersleeve	Port thread size and type	Valve sealing	Valve material
KP14NV	Weathersleeve	1/4”-18 NPTF	Viton	Carbon Steel

PRODUCT DATA SHEET

LT High-Flow Valve Series



Description

The LT high-flow valve's stainless tubing can be easily manipulated and installed to draw active oil. It ensures consistent sampling from the same active sample zone every time, avoiding errors from sampling too close to the bottom or sides.

Benefits

- Samples 7x faster than the M16x2 style
- Zinc-nickel based corrosion protection offers 5 - 7x more life than the industry standard
- Sample without shutting the equipment down
- Easy to clean LT high flow flush face valve decreases the chance contamination
- Vacuum suction the active gear oil out with vacuum pump and plastic tubing

Specifications

- - 0 - 125 psi (0 - 0.86 MPa)-
- For extra high viscosity (VG460+) up-size to the 5/16" OD Tube

Part Number

SLF4 - Sampling probe for 1/4" OD tubeL14NTR12
– 12' stainless steel tube

High Flow flush face valve designed to sample up to VG1500

Available in 1/4"-18 NPTF and 1/4"x19 BSPT port threads