

# KP SERIES: Push Button Sampling Valve



Metal Cap & Chain Option



Metal Cap & Nylon Chain

•Accurate •Convenient •Reliable

## Reflect Sampling

- Analyze what's actually in your system.
- Delivers more "live" fluid than drain cock, ball/needle valve, dipstick or drain plug methods.
- Sample without shutting down.
- Less than 1ml (0.04 fl oz) of deadzone volume to purge.
- Avoid the cost of sample re-takes and faulty trend data.
- Avoid the cost of replacement probes or cross contaminated samples.

## Easy to collect

- Push to open, release to close. Fast, dynamic sampling.
- Rotate the spout 360 degrees to the best bottle fill angle.
- Omni-directional. Barb on spout can fit a 3/16" PVC tube (S) to access difficult locations or reduce aeration and foaming with higher pressure/velocity samples
- Vacuum sample with suction gun (VAC) and PVC tube (S). Draw the vacuum- push the button.
- One hand operation on low pressure systems using the PVC tube (S) and the bottle vent cap (V).

## Easy to Install:

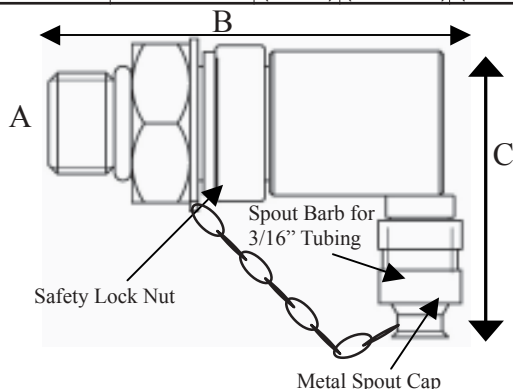
- Full spout rotation avoids elbow orientation problems.
- Range of thread, seal options allow the KP to fit directly into most systems.
- Frame mounting bulkhead options using micro-hose are available for difficult or unsafe access locations.

## Safe & Reliable

- Lock-out nut behind the pushbutton helps avoid accidental activation that locks in pressurized fluid. It also prevents dirt buildup behind the button.
- Lock-out nut can also be used to limit the flow for droplet or film analysis for on-site sensors.
- Valve design limits sampling to approximately 750-1000 psi. Operating pressure rated to 6000psi.
- Rugged patented valve. Impulse tested to 1,000,000 cycles at 7800psi.
- Metal T-Cap gives secondary backup sealing (up to 750psi) and dust protection.

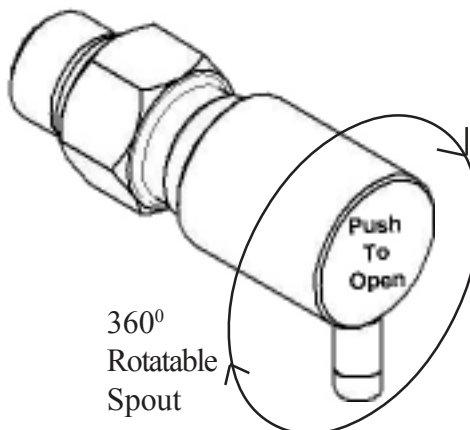
## Technical

Part#	A	B	C	Hex
KP18N-C	1/8" NPT	1.7" (43mm)	1.27" (32.26mm)	0.688" (18mm)
KP14N-C	1/4" NPT	1.9" (48mm)	1.27" (32.26mm)	0.688" (18mm)
KP716U-C	7/16-20 ORB	1.7" (43mm)	1.27" (32.26mm)	0.688" (18mm)
KP916U-C	9/16-18 ORB	1.7" (43mm)	1.27" (32.26mm)	0.688" (18mm)



## Materials

Component	Material
Body	Carbon Steel
Button/Spout/Cap	Brass
Seals	Viton or Nitrile
Valve	Brass
Spring	Carbon Steel



## Operational

Specification	Value
Sampling Pressure Range	-12psi to 750psi (-0.83 to 52bar)
Max Operating Pressure	6000psi (414bar)
Max Burst Pressure	24000psi (1655bar)
Viton™ Seal Temperature	-25 to +400°F (-31.67 to 204°C)
Nitrile Seal Temperature	-40 to +220°F (-40 to 104°C)
Minimum Particle Restriction	500 microns
Body Size	0.06" (1.5mm)

## Applications

- Engine
- Transmission
- Hydraulic
- Coolant
- Trucking
- Construction
- Industrial
- Marine

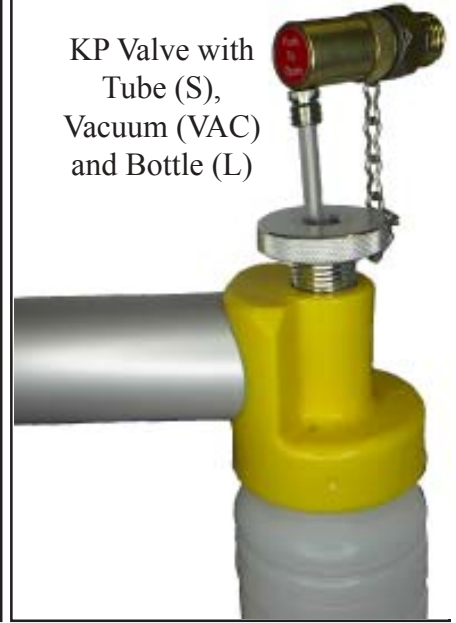
KP Valve and Bottle (L)



KP Valve with Tube (S), Vent Cap (V) and Bottle (L)



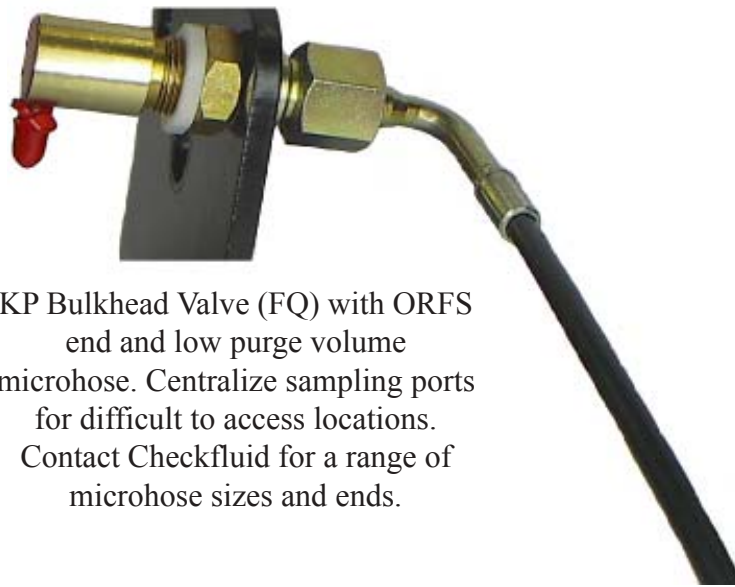
KP Valve with Tube (S), Vacuum (VAC) and Bottle (L)



**KP Approximate Fill Times**

Pressure	Fill Time
5 psi	60 seconds
15 psi	17 seconds
50 psi	8 seconds
125 psi	6 seconds
250 psi	5 seconds
500 psi	4 seconds
750 psi	3 seconds

\*ISO VG 32 Hydraulic Oil at 68°F (20°C).  
Time needed to fill 2.54 fl oz (75cc) of a 4oz lab sample bottle.



KP Bulkhead Valve (FQ) with ORFS end and low purge volume microhose. Centralize sampling ports for difficult to access locations. Contact Checkfluid for a range of microhose sizes and ends.

**Order Numbers**

Part #	Description	Part #	Description	Part #	Description
KP18N-C	1/8" NPTF & Nitrile Seal	KP18N-VC	1/8" NPTF & Viton™ Seal	L	4oz (125ml) Sampling Bottle
KP14N-C	1/4" NPTF & Nitrile Seal	KP14N-VC	1/4" NPTF & Viton™ Seal	V	Custom 3/16"-5mm Vent Cap
KP716U-C	7/16" ORB & Nitrile Seal	KP716U-VC	7/16" ORB & Viton™ Seal	S	3/16" x 8" PVC Tube
KP916U-C	9/16" ORB & Nitrile Seal	KP916U-VC	9/16" ORB & Viton™ Seal	VAC	Vacuum Pump
KP916FQ-C	9/16" ORFS BH & Nitrile Seal	KP916FQ-VC	9/16" ORFS BH & Viton™ Seal	H-4FF-XX	2mm ORFS Microhose Assembly

\*Nylon chain, add -K to part#, EXAMPLE: KP18N-VCK

**See our website for sampling locations and instructions.**  
**[www.checkfluid.com](http://www.checkfluid.com)**

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