

Detailed Specification Chart



Sampling Valve Specifications

Valve Series	Max. Working Pressure	Max. Sampling Pressure	Body Material	Electroplating	Sealing Method	Valve Material	O-Ring Materials	Temp. Range	Overall Size
KP Pushbutton	6000 psi (41.4 MPa)	750 psi (5.17 MPa)	Carbon Steel	Zinc-Nickel	Elastomeric	Brass	Nitrile (Buna N) Viton (FKM) Neoprene	Nitrile: -40°C - 115°C Viton: -26°C - 204°C Neoprene: -37°C - 120°C	2" x 1.5" x 0.5" (51mm x 38mm x 13mm)
KP Pushbutton Stainless Steel	6000 psi (41.4 MPa)	750 psi (5.17 MPa)	316 Stainless Steel	N/A	Elastomeric	316 Stainless Steel	Nitrile (Buna N) Viton (FKM) Neoprene	Nitrile: -40°C - 115°C Viton: -26°C - 204°C Neoprene: -37°C - 120°C	2" x 1.5" x 0.5" (51mm x 38mm x 13mm)
KST Series	6000 psi (41.4 MPa)	750 psi (5.17 MPa) 4000 psi (27.6 MPa)*	Carbon Steel	Zinc-Nickel	Elastomeric	Brass	Nitrile (Buna N) Viton (FKM) Neoprene	Nitrile: -40°C - 115°C Viton: -26°C - 204°C Neoprene: -37°C - 120°C	1.5" x 0.78" x 0.78" (38mm x 19mm x 19mm)
KST Series Stainless Steel	6000 psi (41.4 MPa)	750 psi (5.17 MPa) 4000 psi (27.6 MPa)*	316 Stainless Steel	N/A	Elastomeric	316 Stainless Steel	Nitrile (Buna N) Viton (FKM) Neoprene	Nitrile: -40°C - 115°C Viton: -26°C - 204°C Neoprene: -37°C - 120°C	1.5" x 0.78" x 0.78" (38mm x 19mm x 19mm)
KST Series Stainless Steel Externals	6000 psi (41.4 MPa)	750 psi (5.17 MPa) 4000 psi (27.6 MPa)*	316 Stainless Steel	N/A	Elastomeric	Carbon Steel	Nitrile (Buna N) Viton (FKM) Neoprene	Nitrile: -40°C - 115°C Viton: -26°C - 204°C Neoprene: -37°C - 120°C	1.5" x 0.78" x 0.78" (38mm x 19mm x 19mm)
L Series High Flow	3000 psi (20.7 MPa)	125 psi (0.86 MPa)	Carbon Steel	Zinc-Nickel	Elastomeric	Zn-Ni plated Carbon Steel	Viton (FKM) EPDM	Viton: -26°C - 204°C EPDM: -50°C - 150°C	1.5" x 0.78" x 0.78" (38mm x 19mm x 19mm)
L Series High Flow Stainless Steel	3000 psi (20.7 MPa)	125 psi (0.86 MPa)	316 Stainless Steel	N/A	Elastomeric	316 Stainless Steel	Viton (FKM) EPDM	Viton: -26°C - 204°C EPDM: -50°C - 150°C	1.5" x 0.78" x 0.78" (38mm x 19mm x 19mm)
L Series High Flow Coolant	3000 psi (20.7 MPa)	125 psi (0.86 MPa)	Brass	N/A	Elastomeric	Brass	Viton (FKM) EPDM	Viton: -26°C - 204°C EPDM: -50°C - 150°C	1" x 0.78" x 0.78" (25mm x 19mm x 19mm)
LT Series Sampling Tube	1000 psi (6.89 MPa)	125 psi (0.86 MPa)	Carbon Steel	Zinc-Nickel	Elastomeric	Zn-Ni plated Carbon Steel	Viton (FKM) EPDM	Viton: -26°C - 204°C EPDM: -50°C - 150°C	1" x 0.78" x 0.78" (25mm x 19mm x 19mm)
LT Series Sampling Tube Stainless Steel	1000 psi (6.89 MPa)	125 psi (0.86 MPa)	316 Stainless Steel	N/A	Elastomeric	316 Stainless Steel	Viton (FKM) EPDM	Viton: -26°C - 204°C EPDM: -50°C - 150°C	1" x 0.78" x 0.78" (25mm x 19mm x 19mm)
B Series	5800 psi (40 MPa)	5800 psi (40 MPa)*	Carbon Steel	Trivalent Zinc	Metal Ball Seat	440 Stainless Steel	Nitrile (Buna N) Viton (FKM)	Nitrile: -40°C - 115°C Viton: -26°C - 204°C	1.9" x 0.75" x 0.75" (48mm x 19mm x 19mm)
B Series Stainless Steel	5800 psi (40 MPa)	5800 psi (40 MPa)*	316 Stainless Steel	N/A	Metal Ball Seat	440 Stainless Steel	Nitrile (Buna N) Viton (FKM)	Nitrile: -40°C - 115°C Viton: -26°C - 204°C	1.9" x 0.75" x 0.75" (48mm x 19mm x 19mm)
BT Series Sampling Tube	2500 psi (17.24 MPa)	500 psi (3.45 MPa)	Carbon Steel	Trivalent Zinc	Metal Ball Seat	440 Stainless Steel	Nitrile (Buna N) Viton (FKM)	Nitrile: -40°C - 115°C Viton: -26°C - 204°C	1.5" x 0.78" x 0.78" (38mm x 19mm x 19mm)
BT Series Sampling Tube Stainless Steel	2500 psi (17.24 MPa)	500 psi (3.45 MPa)	316 Stainless Steel	N/A	Metal Ball Seat	440 Stainless Steel	Nitrile (Buna N) Viton (FKM)	Nitrile: -40°C - 115°C Viton: -26°C - 204°C	1.5" x 0.78" x 0.78" (38mm x 19mm x 19mm)
LE Series Embedded	3000 psi (20.7 MPa)	125 psi (0.86 MPa)	Carbon Steel	Zinc-Nickel	Elastomeric	Zn-Ni plated Carbon Steel	Viton (FKM) EPDM	Viton: -26°C - 204°C EPDM: -50°C - 150°C	Dependent on Port Thread size and Plug
MT Series Sampling	1000 psi (6.89 MPa)	125 psi (0.86 MPa)	Carbon Steel	Zinc-Nickel	Elastomeric	Zn-Ni plated Carbon Steel	Viton (FKM) EPDM	Viton: -26°C - 204°C EPDM: -50°C - 150°C	1.5" x 0.78" x 0.78" (38mm x 19mm x 19mm)
MT Series Sampling Stainless	1000 psi (6.89 MPa)	125 psi (0.86 MPa)	316 Stainless Steel	N/A	Elastomeric	316 Stainless Steel	Viton (FKM) EPDM	Viton: -26°C - 204°C EPDM: -50°C - 150°C	1.5" x 0.78" x 0.78" (38mm x 19mm x 19mm)

*Sampling Pressures above 750 psi are probe dependent



Probe Specifications

Style	Sampling Valve Compatibility	Max Sampling Pressure	Usage	Description
BB4	B Series	5800 psi (40 MPa)	Reusable	Pushbutton probe with 90° spout
BF-14NF	B Series	5800 psi (40 MPa)	Reusable	Thread on probe with 1/4" NPTF female thread
KP4PT	KP Series	750 psi (5.17 MPa)	Disposable	Thread on spout for 1/4" OD tube
KPB4	KST Series	750 psi (5.17 MPa)	Reusable	90° push on probe for 1/4" tube
KPB6	KST Series	750 psi (5.17 MPa)	Reusable	90° push on probe for 3/8" tube
LF-4NF	L/LT Series	125 psi (0.86 MPa)	Reusable	Thread on probe with 1/4" NPTF female thread
LF-Q4	L/LT Series	125 psi (0.86 MPa)	Reusable	Thread on probe with 1/4" OD tube quick connect
LF-Q5	L/LT Series	125 psi (0.86 MPa)	Reusable	Thread on probe with 5/16" OD tube quick connect
LF-Q8	L/LT Series	125 psi (0.86 MPa)	Reusable	Thread on probe with 1/2" OD tube quick connect
LFQ6M	L/LT Series	125 psi (0.86 MPa)	Reusable	Thread on probe with 6mm OD tube quick connect
LF-Q8M	L/LT Series	125 psi (0.86 MPa)	Reusable	Thread on probe with 8mm OD tube quick connect
SBF4	B Series	250 psi (1.72 MPa)	Reusable	Thread on probe with 1/4" tube barb
SBF4K	B Series	250 psi (1.72 MPa)	Reusable (Dispose Tubing)	Plastic thread on probe with 1/4" tube bard
SLF4	L/LT Series	125 psi (0.86 MPa)	Reusable (Dispose Tubing)	Thread on probe with 1/4" tube
SLF5	L/LT Series	125 psi (0.86 MPa)	Reusable (Dispose Tubing)	Thread on probe with 5/16" tube
SMF4	M/MT Series	125 psi (0.86 MPa)	Reusable	Thread on prove with 1/4" tube barb
SP	KST Series	750 psi (5.17 MPa)	Disposable	Straight probe with tube
SVP	KST Series	750 psi (5.17 MPa)	Disposable	Straight probe with tubing and vent cap
VHBF	B Series	5800 psi (40 MPa)	Reusable	High pressure micro hose threaded probe with vent cap
VHKF	KST Series	4000 psi (27.6 MPa)	Reusable	High pressure micro hose threaded probe with vent cap