



Low Pressure Manual Bellows Valves Standard Type



Features

- Compact designed inner capacity.
- Minimal contributions of moisture, Oxygen and Hydrocarbon, Minimal particle generation.
- DK-LOK's own electropolished.
- DI water cleaned, assembled, tested & packaged in the certified clean room.
- Standard PTFE Disk Material.

Specification

Size	32A	2"	40A	50A
Cv Value	16	16	16	21
Max. Working Pressure	10 bar (145 psig)			
Max. Working Temperature	-10° ~ 80°C (-23~-176°F)			
Internal Leakage Allowance (He) Test Pressure $\leq 1 \times 10^{-2}$ Torr Holding Time ≥ 15 sec.	$\leq 1 \times 10^{-5}$ atm.cc/s			
External Leakage Allowance (He) Test Pressure $\leq 1 \times 10^{-2}$ Torr Holding Time ≥ 1 min.	$\leq 1 \times 10^{-5}$ atm.cc/s			
Particle Inspection (EP only) Pressure : 60~80 psi N2 Gas Sample Volume : 1CFM 0.1 μ m and Larger	No count			

Product Grade

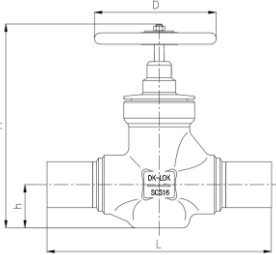
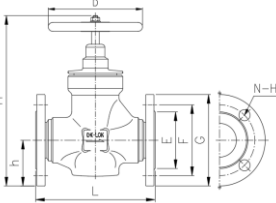
Level	AP	BA	EP
Inner Surface Roughness	Ry $\leq 25 \mu$ m	Ry $\leq 3.0 \mu$ m / Ra 10 μ in	Ry $\leq 0.7 \mu$ m / Ra 5 μ in
	Cut off Length : 2.5mm	Cut off Length : 0.8mm	Cut off Length : 0.25mm
	Measuring Length : 12.5mm	Measuring Length : 4mm	Measuring Length : 1.25mm
Polishing	Machining Finish	Machining Finish	Electro Polishing Finish

Material of Construction

Description	Materials
Body	304 Stainless Steel
	316L Stainless Steel
Disk	PTFE
Bellows	316L Stainless Steel
Handle	SCS13

- Wetted Components are listed in [blue](#)

Ordering Information and Dimensions

Model	Basic Ordering Number	End Connections	Dimensions (mm)								
			Size	L	h	H	D	E	F	G	N-H-
	U-VB32A-TW-	32A Butt Weld	32A	270	51	218	160	-	-	-	-
	U-VB32T-TW-	2" Butt Weld	2"	270	51	218	160	-	-	-	-
	U-VB40A-TW-	40A Butt Weld	40A	270	51	218	160	-	-	-	-
	U-VB50A-TW-	50A Butt Weld	50A	295	61	268	160	-	-	-	-
	U-VB32A-FL-	32A Flange	32A	165	67.5	235	160	76	100	135	4-Ø19
	U-VB40A-FL-	40A Flange	40A	165	70	238	160	81	105	140	4-Ø19
	U-V B50A-FL-	50A Flange	50A	203	77.5	289	160	96	120	155	4-Ø19

How to order

U	-	VB	-	32A	-	TW	-	SL	-	B	-	X
DK-LOK UHP Product		Valve Type		Size		End Connector Type		Material		Inner Surface Level		User Option

Valve Type	Size	End Connector Type	Material	Surface Level	User Option
VB	32A : 32A	TW : Butt Weld	4S : 304 Stainless Steel	AP : AP Grade	Blank : Standard
	32T : 2"	FL : Flange(JIS10K)	SL : 316L Stainless Steel	B : BA Grade	X : Customization
	40A : 40A			P : EP Grade	
	50A : 50A		-		

Safe Valve Selection

The selection of a valve for any application or system design must be considered to ensure safe performance. Valve function, valve rating, material compatibility, proper installation, operation and maintenance remain the sole responsibility of the system designer and the user. DK-Lok accepts no liability for any improper selection, installation, operation or maintenance.

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