

INSTRUMENT

Lift Check Valve VLC

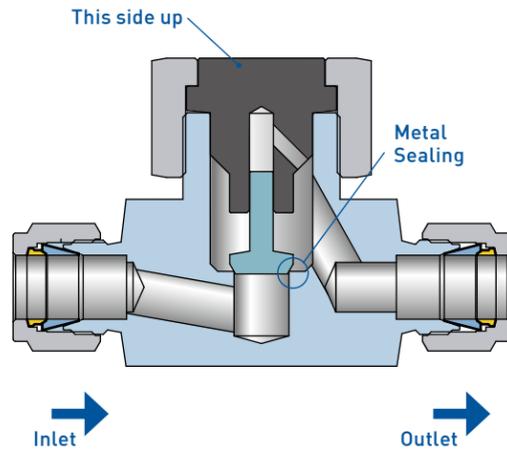


Features

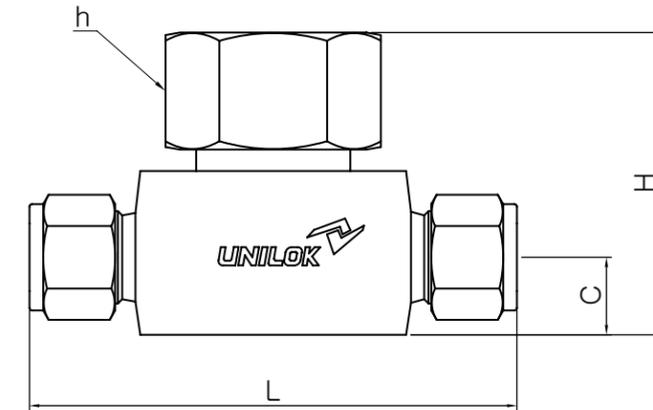
- Pressure rating up to 6000psig(413bar) @38°C(100°F)
- Temperature rating from -53°C(165°F) to 482°C(900°F)
- Compact body design.
- Metal to metal Sealing.
- Operation by Gravity.
- Lift check Valve must be mounted horizontally, placing the union nut on top.
- Reverse flow coefficient is limited to less than 0.1% of forward flow coefficient.

Cleaning

UNILOK valves are free from machine oils, loose particles and grease throughout the close cleaning process.



VLC series (6000 psig, No spring or elastomers)



Testing

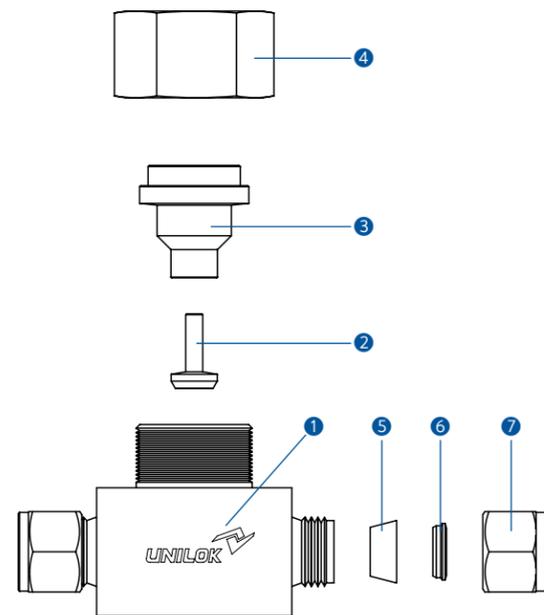
Every Lift check valve is 100% factory tested for proper functionality.

Important Notification

Proper installation, materials compatibility, operation and maintenance of these valves are the responsibility of the user. The total system design must be taken into consideration to ensure optimal Performance and safety.

Pressure – Temperature Ratings

ASME Class	2500
Material Group	2.2
Material Name	316 SS
Temperature °C(°F)	Working Pressure bar (psig)
-53 to 37 (-65 to 100)	413 (6000)
93(200)	355(5160)
148(300)	321(4660)
204(400)	294(4280)
260(500)	274(3980)
315(600)	259(3760)
371(700)	248(3600)
426(800)	238(3460)
482(900)	225(3280)



Materials of Construction

No.	Description	Materials
1	BODY	316 SS
2	POPPET	630 SS
3	BONNET	316 SS
4	UNION NUT	316 SS
5	FRONT FERRULE	316 SS
6	BACK FERRULE	316 SS
7	NUT	316 SS

Ordering Information & Dimensions

Part No.	End Connections		Orifice (mm)	CV	Dimensions (mm)				
	Inlet	Outlet			L	H	C	h	
								inch	mm
VLC1	U-04T-SS	1/4" UNILOK	4.0	0.3	61.0	37.3	9.9	7/8	22.22
	U-M06T-SS	6mm UNILOK			50.8				
	F-02N-SS	1/8" Female NPT			46.0				
	F-04N-SS	1/4" Female NPT							
	WB-04T-SS	1/4" Tube Butt Weld							
VLC2	U-04T-SS	3/8" UNILOK	6.4	0.64	71.9	47.0	12.7	1-1/4	31.75
	F-04N-SS	1/4" Female NPT			57.2				
	WB-06T-SS	3/8" Tube Butt Weld							
	WB-08T-SS	1/2" Tube Butt Weld							
VLC3	U-08T-SS	1/2" UNILOK	11.1	2.2	99.6	62.0	15.7	1-1/2	38.1
	U-12T-SS	3/4" UNILOK			79.2				
	F-06N-SS	3/8" Female NPT							
	F-08N-SS	1/2" Female NPT							
	WB-08T-SS	1/2" Tube Butt Weld			79.5				

Dimensions are for reference only and are subject to change without prior notice.
L is typical finger tight.