

VH36B-10K Instrument Check valve

Catalogue



VH36B-10K Series Check Valve
Pressure Rating up to 10,000psig(689 bar)

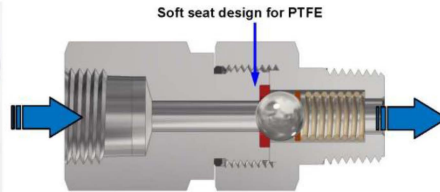
No. VH36B-10k-1
Feb 2017

Features

- Working Pressure : 10,000 psig @100° F (689bar@38 °C)
- Temperature Range : -10 ~375° F (-23~190 °C)

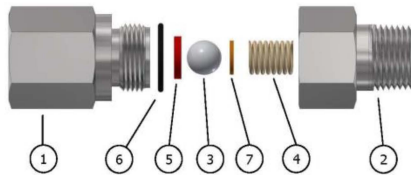
Technical Data

Cracking Pressure	Cracking pressure Range to	Reseal pressure	Orifice
25psig (1.72bar)	20~30psig (1.38~2.07bar)	17psig (1.2bar)	6.9mm



Materials of Construction

Component	Valve Body Materials
1. Body	ASTM A276 TYPE316
2. CONNECTOR	ASTM A276 TYPE316
3. BALL(7/16")	CERAMIC
4. SPRING	STAINLESS STEEL302
5. PACKING	PTFE
6. O-RING	FKM
7. GUIDE	PEEK



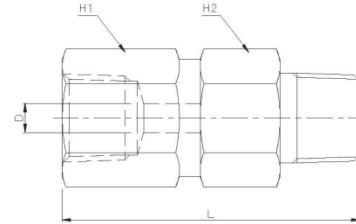
Operation

- Valves that have not been actuated for a period of time may require cracking pressure.
- DK-LOK check valves prevent reverse flow in circuits. Do not use them as relief valves.
- DK-LOK check valves are designed to prevent loss of media caused by failed connections and for uni-directional flow control of fluids in chemical processing, power generation, oil and gas industries.

Factory Test

- Every valve is factory tested for cracking and reseal performance.
- Every valve is cleaned and packaged in accordance with DK cleaning standard DC-01

Ordering Number and Dimensions



Basic Ordering Number	End Connections		Dimensions in. (mm)			
	Inlet	Outlet	L	H1	H2	D1
FM8N10K	1/2in. Female NPT	1/2in. Male NPT	71.2mm	HEX. 1-1/8" (28.58mm)	HEX. 1-1/8" (28.58mm)	φ6.9mm
FM12N10K	3/4in. Female NPT	3/4in. Male NPT	90.4mm	HEX. 1-5/16" (33.33mm)	HEX. 1-5/16" (33.33mm)	
FM16N10K	1in. Female NPT	1in. Male NPT	104.9mm	HEX. 1-5/8" (41.28mm)	HEX. 1-5/8" (41.28mm)	

All dimensions shown are for reference only and are subject to change.

Spring Nominal Cracking Pressure Designator		Cracking Pressure				Reseal Pressures psig(bar)
		Min. Pressure		Max. Pressure		
psig	bar	psig	bar	psig	bar	Minimum 17 (1.2) Reseal pressure
25	1.72	20	1.38	30	2.07	

Ordering Information

Select the desired valve basic ordering number , applicable O-Ring designator, Spring designator, and Valve body material in the table below. Except for 25psig, it is required consultation of Sales Department.

Seal Material Designators	Spring Nominal Cracking Pressure Designators	Valve Body Material Designators	Example of a complete ordering Number.
<ul style="list-style-type: none"> FKM : VT NBR : BN EPDM : EP FFKM : KZ 	<ul style="list-style-type: none"> 25 : 25 psig 	<ul style="list-style-type: none"> B : Brass S : Stainless steel 316 	VH36B-FM8N10K-VT-25-S

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. DL-LOK accepts no liability for any improper selection, installation, operation or maintenance.