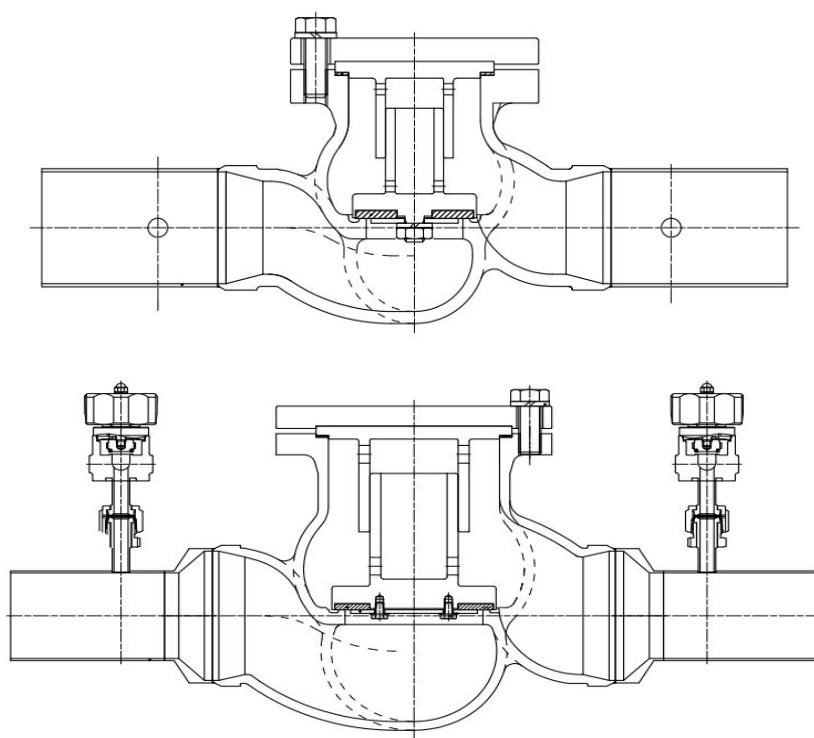




Cleanness by Purpose

CHECK Valve

CH-L Series



IHARA SCIENCE CORPORATION

CH-L Check Valve Series

【Features】

CH-L Series is a UHP lift check valve product. The check valve is high Cv value design, available in both a 150 PSIG and 300 PSIG option. Used in Bulk Gas delivery systems to eliminate backflow.

- Configurable end connections for multiple options and 0.1 psig cracking pressure (100% He leak tested)
- The valve design originates from our proven Globe Bellows Valve (CVG series) engineered design.
- The valve is equipped with 316L SS trim construction, a 316SS spring and PCTFE soft seats/seals.
- These check valves come as standard with a 5Ra EP or 20Ra BA micro-inch internal surface finish.
- Cleaning, assembly, and packaging are conducted in an ISO 4, ISO 5 & ISO 6 cleanroom environment.

Specification

Nominal sizes	2-1/2" to 8" sizes
Working pressure (※1)	Vac.~ 1MPa(150psi) Vac.~ 2MPa(300psi)
Working temperature (※2)	-10~+80°C (14~176 ° F)
Valve end	Tube stub weld

(※1) Higher pressures available, please inquire.

(※2) PCTFE seat standard (Polyimide, PFA, PVDF, PEEK options)

(※3) Specification of specific valve.

Valve Cv value (※3)	UHP Check Valve (CH-L Series)	2-1/2" 50A type	43
		3" 65A type	71
		4" 100A type	201
		6" 150A type	437
		8" 200A type	770

Description of CH-L Check Valve Model Numbers

2" SIZE = CH-L-B - ① ② ③ - ④ 6LC- ⑤ - ⑥ - ⑦

Ex.) CH-L-B - 32TW1.65 - EP [CH-L Check Valve, 2" Tube weld ends, 1.65mm (.065") tube thickness, EP treated, No Purge Ports, Forged Body]

2-1/2" to 8" = CH-L-G - ① ② ③ - ④ 16C- ⑤ - ⑥ - ⑦

Ex.) CH-L-G - 64TW2.1 - EP - IOPP09 - GD8N [CH-L Check Valve, 4" Tube weld ends, 2.1mm (.083") tube thickness, EP treated, 1/2" Dual PP Capped, Cast Body]

①		②		TW③※		④	
Mark	Valve size	Mark	Connection	Mark	Tube thickness	Mark	Rating
32	2"	TW	Tube weld	1.65	.065"	(blank)	1MPa (150psi)
40	2-1/2"	PW5	NPS Sch5S	2.1	.083"	300	2MPa (300psi)
48	3"	PW10	NPS Sch10S	2.8	.109"		
64	4"	PW40	NPS Sch40S	※ TW option only			
96	6"	PW80	NPS Sch80S				
128	8"						
-	-						
-	-						

⑤		⑥*		⑦	
Mark	Surface treated	Mark	Purge Port location	Mark	Purge Port feature
EP	Electro polished 5Ra μ in (7Ra max)	(Blank)	No purge ports	(Blank)	No purge ports
BA	Bright Annealed 20Ra μ in (32Ra max)	IOPP	Inlet/Outlet (Up/Downstream)	GD4N	1/4" VCR® (Male) capped w/gasket
		OPP	Outlet (Downstream)	GD8N	1/2" VCR® (Male) capped w/gasket
		IPP	Inlet (Upstream)		
		IOPV	Inlet/Outlet (Purge Valves)		
		OPV	Outlet (Purge Valve)		
		IPV	Inlet (Purge Valve)		

* standard designation "IOPP12" means
purge port orientation at 12 o'clock position
when looking through inlet of valve
- "IOPP03" [3 o'clock] available
- "IOPP09" [9 o'clock] available

Related Products

DVF Compact Diaphragm Valve (1MPa – 150psi)



HFD High Flow Diaphragm Valve



CVY Y-Type Bellows Seal Valve



PYB Pipe-Welded Y-Type Bellows Seal Valve (1MPa~2MPa)



ISO9001, ISO14001 Certified Office

Certified office for high-pressure gas facility testing and manufacturing.

certified office for N valves and N-II fittings

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WARNING

If you don't select and handle fittings, valves and related accessories in an adequate manner, it may damage human beings and applicable systems.
Within the responsibility and authorization of users and piping designers, fittings, valves and related accessories shall be adequately selected, used and maintained based on the applicable conditions and product conformity to the system to be applied. Please read carefully the operation manual and feel free to contact with Ihara if you have any question or request.

WARRANTY CLAUSE

1. Warranty Period

The warranty period of the products is one (1) year from putting into service or one and half (1.5) years after delivery whichever comes earlier. However, the products specially specified and/or the cases used under deviating from the specification shall be exempted.

2. Scope of Warranty

Any failure and damage under maker's responsibility will be found during the warranty period, the substitutes and/or replacement parts shall be provided free of charge. The warranty shall not be applied to a claim for the

■ URL: <http://www.ihara-sc.co.jp/>

■ Please be advised that the contents of this catalogue may be revised without notice when improvements or modifications are made on the time.