



Cleanness by Purpose

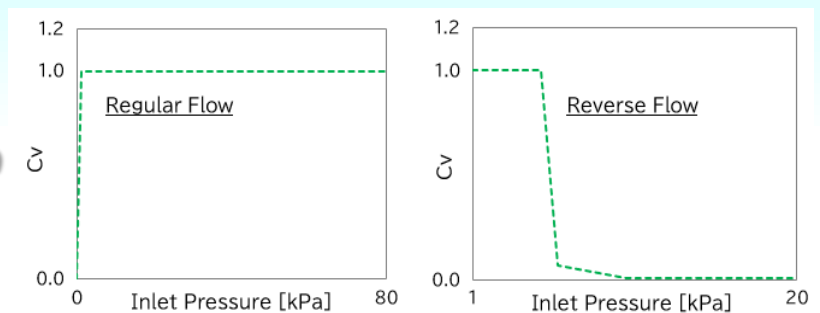
CHW Series

All Welded Check Valve (3000psi)

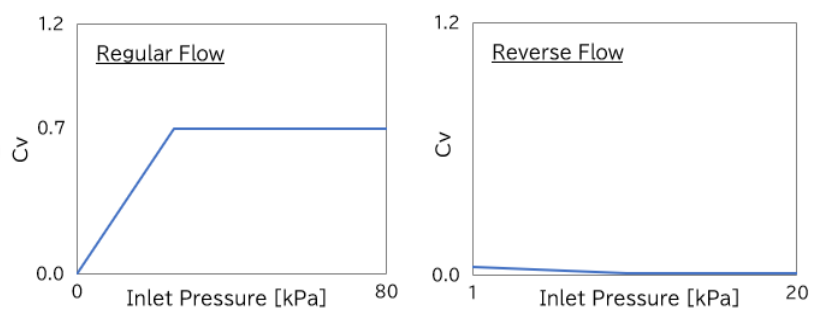


Welded Construction ensures no External Leakage

High Flow Type
(Cv1.0)



STD Type
(Cv0.7)



There are Cv0.7 and Cv1.0 types

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[CHW series]**All welded check valve with high Cv and compact design.**

- Regular flow begins at less than 2psi differential pressure.
- Cracking pressure at less than 2psi, Shut off with resealing pressure less than 2psi
- Oil-free treatment by precision de-ionized water cleaning for all wetted parts
- Detailed machining & electropolishing procedure for outstanding internal finish
- Choose from 316LSS, 316L VAR material or Hastelloy C22 with Cv 0.70 or Cv 1.0
- Assembled, tested and packaged in ISO5 (class 100) cleanroom, double-bagged with UHP Nitrogen purge

Description of CHW Check Valve Model Numbers

316LSS = CHW - ① ② ③ - ④ - ⑤ -

Ex.) CHW - 4VFVM - EP - CV0.7 [CHW Check Valve, 1/4" VTF Metal Face-Seal ends (Female x Male), EP treated, Cv 0.70 flow, 316LSS

316LSS VAR = CHW - ① ② ③ - ④ - ⑤ -

Ex.) CHW - 8TW1.24 - EP - CV0.7 - DM [CHW Check Valve, 1/2" Tube weld ends, 1.24mm (.049") tube thickness, EP treated, Cv 0.70 flow, 316LSS VAR

①	
Mark	Valve size
4	1/4"
6	3/8"
8	1/2"
12	3/4"
16	1"
-	-
-	-
-	-

②	
Mark	Connection
NPT	Threaded
D	BI-Lok
VM	VTF (Male)
VF	VTF (Female)
TW	Tube weld

※ VTF = Metal Face Seal

③	
Mark	Tube thickness
0.89	.035"
1.24	.049"
1.65	.065"

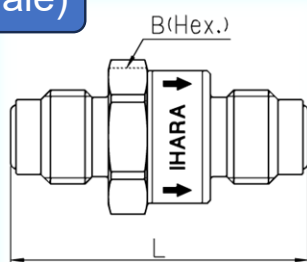
※ TW option only

④	
Mark	Surface treated
EP	Electro polished 5Ra μ in (7Ra max)
BA	Bright Annealed 20Ra μ in (32Ra max)

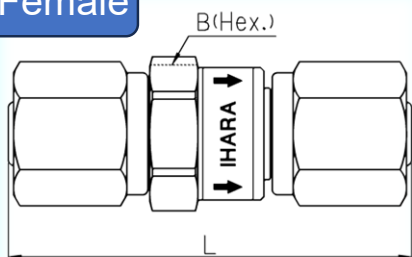
⑤	
Mark	Desired flow rate
CV0.7	Rated Flow @ Cv 0.7
CV1.0	Rated Flow @ Cv 1.0
-	-
-	-

Mark	Material Option
(Blank)	316LSS standard
DM	316LSS VAR Double-melt
HC	Hastelloy C22

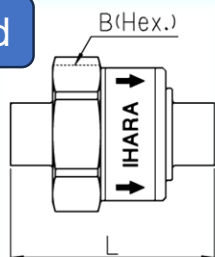
VTF(Male)



VTF(Female)



Tube Weld



CHW-VM [mm]

Size	L	B
1/4"	45.7	21
3/8" & 1/2"	52.3	23

CHW-VF [mm]

Size	L	B
1/4"	61.9	21
3/8" & 1/2"	62.1	23

CHW-TW [mm]

Size	L	B
1/4"	31.5	21
1/2"	31.7	23

* Please review drawing for details



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