



300 ANSI CARBON STEEL/316SS BODY GLOBE STYLE SILENT CHECK VALVES

MODEL: CHK-300-CS/SS

Recommended Application:

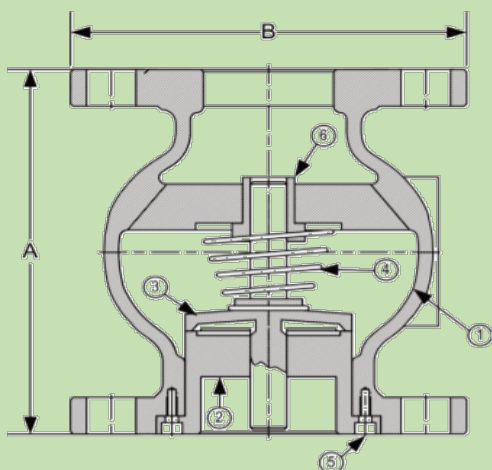
Check Valves are used to prevent water hammer and flow reversal in pipelines. Suitable for use for oil and gas production, general industry, chemical, petrochemical, power plants. These valves can be installed vertically or horizontally. The bodies are oversized to allow for a lower pressure drop

Features:

Fully automatic spring assisted disc enables a silent shut off, while the center guided design creates a positive shutoff prior to flow reversal, which greatly reduces water hammer and slamming in the pipeline. The standard machined metal to metal seats ensure a tight seal that meets or exceeds API 598 leakage requirements. Fabrotech can supply, as an option, resilient seats, which will also provide bubble tight seals.

Limitations:

These check valves are not recommended for steam service, or use in flow where the media contains solids. We strongly suggest a Fabrotech strainer before the check valve to remove debris from the line. These valves are designed for "steady" flow conditions, and not for use with reciprocating pumps.



ITEM	DESCRIPTION	MATERIAL
1	BODY	Carbon steel (Gr. WCB)/Stainless Steel (Gr. CF8M)
2	SEAT	Stainless steel (ASTM A351, Gr. CF8M)
3	DISC	Stainless steel (ASTM A351, Gr. CF8M)
4	SPRING	Stainless steel (ASTM A351, Gr. CF8M)
5	CAP SCREW	Stainless steel (ASTM A351, Gr. CF8M)
6	BUSHING	Stainless steel (ASTM A351, Gr. CF8M)

DIMENSIONS & WEIGHTS APPROXIMATE
(Apply for certified drawings)

SIZE	in	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20
	mm	50	65	80	100	125	150	200	250	300	350	400	450	500
A	in	6.69	7.56	8.25	9.12	C/F	11.38	13.0	15.38	19.5	21.0	LARGER SIZES ARE AVAILABLE		
(FACE TO FACE)	mm	170	192	210	2	C/F	289	330	391	495	533			
B	in	6.5	7.5	8.25	10.0	C/F	12.5	15.0	17.5	20.5	23.0			
(FLANGE DIAMETER)	mm	165	191	210	254	C/F	318	381	445	521	584			
C	in	4.63	5.75	6.63	8.62	C/F	11.13	15.84	17.69	21.50	24.0			
(BODY DIAMETER)	mm	118	146	168	219	C/F	283	402	449	546	610			
WEIGHTS (lbs)	lb	18	26	39	61	101	109	196	272	430	561			
	kg	8.2	11.8	17.5	27.7	45.8	49.4	88.9	123.4	195.0	254.2			
Flow Coefficient	Cv	65	105	150	265	410	600	1100	1800	2500	3100			
CRACKING PRESS.	psi	≤ .5	≤ .5	≤ .5	≤ .5	≤ .5	≤ .5	≤ .5	≤ .5	≤ .5	≤ .5			

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