

SWING CHECK VALVE

FAF2255

2255



Features

- The disc hinged inside the body is placed within the flow section.
- With the start of movement at defined flow direction on the system, the disc leaves the flow section by turning in its axis and allows the flow pass.
- When the flow stops, the disc sits on the machined sealing seat through its own weight and maintains %100 tight sealing.
- Has cast steel body and disc, sealing surfaces are manufactured from brass or stainless steel.
- The disc fixed inside the body in located on the flow axis.
- Can be installed in either vertical (upward flow only) or horizontal (cover upright) applications.
- Head loss is lower compared to other type of check valves.
- Designed and manufactured according to ANSI standard.
- Can be installed bidirectional.
- Zero stem leakage eliminates media loss and satisfies environmental regulations.
- Effective for energy savings. Energy loss due to leakage is controlled, helping to prevent global warming and protecting the environment.

Temperature

- -30 °C, +200 °C

PRODUCTION STANDARDS

DN50 → DN600
CLASS 150/300/600

Design	API 6D / ASME B16.34
Connection	ASME B16.5
Face to Face	API 6D / ASME B16.10
Marking	API 6D
Tests	API 6D / API 598
Corrosion Protection	Industrial Epoxy

Product Description

FAF2255 Swing Check Valve, while allowing the flow moving to the desired flow direction, stops the flow when exposed to back flow.

Versions

- Standard version with WCB body
- Custom production for specific orders

Scope of Application

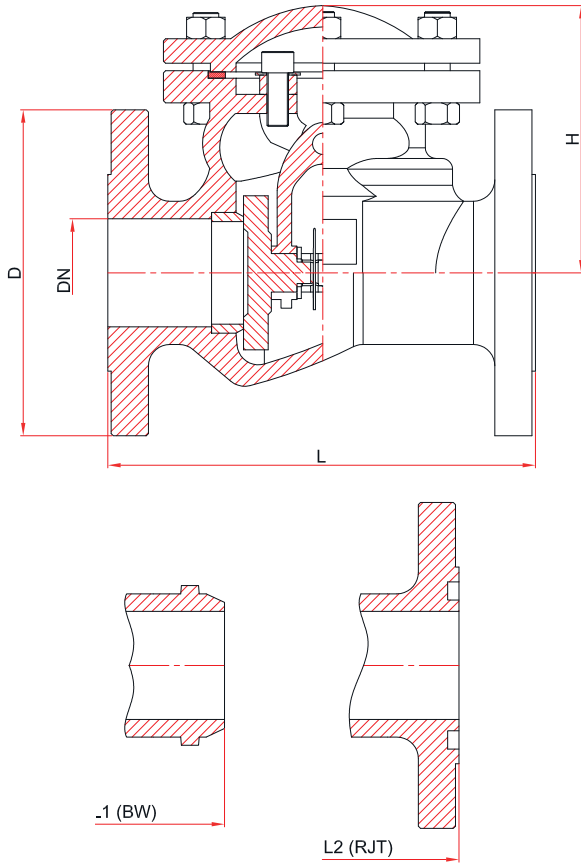
- Steam
- Superheated water
- Hot & cold water
- Chemicals
- Lubricants
- Oil&Gas
- Pressurized air
- Industrial technologies
- Fluids without acidity or alkalinity properties



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Technical Details & Drawing, Dimensions



MATERIAL SELECTION

Body ASTM A-216 WCB Cast Steel

Bonnet ASTM A-216 WCB Cast Steel

Stem
 1.4021 - AISI 420 Stainless Steel
 1.4301 - AISI 304 Stainless Steel
 1.4401 - AISI 316 Stainless Steel

Sealing MS 58 Brass

VALVE TEST PRESSURE (Bar)

MAX. OPERATING PRESSURE	BODY / SHELL TEST	SEAT TEST
20	30	22
50	75	55
110	165	121

100% of the valves are subjected to hydrostatic tests at FAF facilities.

Note

- For proper use and safety precautions please follow the installation and operating instructions.

CLASS 150							CLASS 300						CLASS 600					
NPS	DIMENSION				RATINGS		DIMENSION				RATINGS		DIMENSION				RATINGS	
INC	D	L - RF L1 - BW	L2 - RJT	H	KV m ³ /h	Weight Kg	D	L - RF L1 - BW	L2 - RJT	H	KV m ³ /h	Weight Kg	D	L - RF L1 - BW	L2 - RJT	H	KV m ³ /h	Weight Kg
2	150	203	216	155	80	16	165	267	283	180	75	26	165	292	295	190	70	33
2 1/2	180	216	229	190	140	25	190	292	308	200	135	32	190	330	333	215	130	49
3	190	241	254	200	200	34	210	318	333	225	200	53	210	356	359	250	190	62
4	230	292	305	225	350	46	255	356	371	240	340	73	275	432	435	260	320	95
6	280	356	368	260	800	89	320	445	460	310	780	157	355	559	562	350	730	195
8	345	495	508	350	1480	120	380	533	549	370	1430	234	420	660	664	420	1360	360
10	405	622	635	390	2380	220	445	622	638	410	2310	384	510	787	791	490	2200	465
12	485	699	711	410	3400	337	520	711	727	440	3300	450	560	838	841	525	3130	725
14	535	787	800	435	4750	471	585	838	854	500	4620	650	605	889	892	580	4380	875
16	595	864	876	530	6370	575	650	864	879	545	6180	800	685	991	994	630	5870	1075
18	635	978	991	570	8160	788	710	978	994	605	7920	970	745	1092	1095	690	7520	1475
20	700	978	991	625	9350	916	775	1016	1035	675	9060	1350	815	1194	1200	810	8610	1900
24	815	1295	1308	675	14870	1275	915	1346	1368	785	14430	2210	940	1397	1407	950	13700	2250