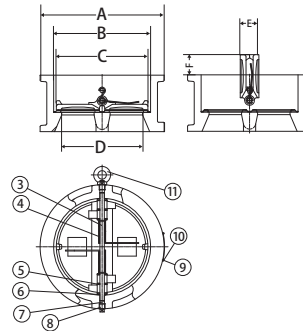


# Check Valve

Ductile Iron, Wafer Style, Dual-Plate, Stainless Steel Disc, Class 125

**F-592**



Install 5 pipe diameters minimum downstream from pump discharge or changes in direction to avoid flow turbulence. Flow straighteners may be required in extreme cases.

Note: On pump discharge, the preferred check valves are: inline, spring assisted, center-guided, lift checks.

### FEATURES

Two Torsion Springs Activate Each Set of Valve Plates  
 Quick-Close Action Prevents the Medium Flowing Back  
 Easy Installation onto Either Vertical or Horizontal Pipeline

### CERTIFICATIONS/APPROVALS

NSF/ANSI/CAN 61  
 NSF/ANSI 372  
 Complies with API 594 Standard  
 ASME B16.1

### PRESSURE/TEMPERATURE RATING

14°F - 185°F  
 Class 125

### MATERIALS

No.	Part	Material
1	Body	A536 Ductile Iron + EPDM
2	Disc	A351 Stainless Steel
3	Stem	316 Stainless Steel
4	Spring	316 Stainless Steel
5	Washer	PTFE
6	Gasket	PTFE
7	Sealing	EPDM/NBR
8	Plug	304 Stainless Steel
9	Name Plate	304 Stainless Steel
10	Reviet	-
11	Left Ring	A1035 Chromium

### DIMENSIONS

Part No	Size	øA	øB	øC	øD	L	E	F	Wall Thickness	CV	Vertical Cracking Pressure (PSI)	Horizontal Cracking Pressure (PSI)
105-525	2 1/2"	4.843	3.15	2.874	2.323	2.362	0.866	0.492	0.335	120	0.04	0.03
105-503	3"	5.315	3.701	3.386	2.756	2.638	1.024	0.472	0.413	226	0.04	0.03
105-504	4"	6.85	4.606	4.173	3.455	2.638	1.339	0.906	0.492	404	0.04	0.03
105-506	6"	8.701	6.693	6.181	5.276	3.74	1.496	1.594	0.571	1075	0.04	0.03
105-508	8"	10.984	8.583	8.11	7.165	5	1.654	1.791	0.61	1920	0.04	0.03
105-510	10"	13.346	10.433	9.921	8.661	5.512	2.126	2.598	0.728	3360	0.17	0.15
105-512	12"	16.102	12.205	11.65	10.236	7.126	2.362	2.52	0.787	5320	0.17	0.15

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).