

**350 PSI Grooved x Flanged Swing Check Valve Model TF-SCV-FG350A**

**Groove\* Flange End**

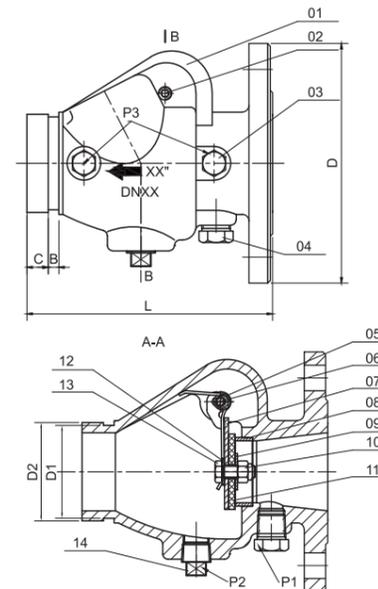
**Technical Features**

- Groove Standard: ANSI / AWWA C606 or Metric
- Flange Standard: ASME/ANSI B 16.1 Class 125  
ASME/ANSI B 16.42 Class 150  
BS EN 1092-2 PN 16  
GB / T9113.1
- Sizes: 2", 2½", 3", 4", 5", 6", 8", 10", 12"
- Approvals: UL, FM
- Maximum Working Pressure: 350PSI
- Maximum Testing Pressure: 700PSI
- Pressure conforms to UL 312 / FM class 1210
- Working Temperature Range: 0~80°C / 32~176°F
- Coating Details: Epoxy coated or coating upon request.
- Applications: Used in one-way flow pipeline to prevent the water from back flow



**Valve Material List**

NO.	Name	Material	Standard
1	Valve Body	Ductile Iron	ASTM A536 65-45-12
2	Bolt	Steel 1045	ASTM A29
3	Plug	Steel 1045	ASTM A29
4	Plug	Steel 1045	ASTM A29
5	Spring	Stainless Steel 304	ASTM A276
6	Hinge Pin	Stainless Steel 304/Ductile Iron	ASTM A276/ASTM A536 65-45-12
7	Clapper	Stainless Steel 304	ASTM A276
8	Seat	C95400	ASTM A148
9	Clamping Ring	Stainless Steel 304	ASTM A276
10	Locknut	Stainless Steel 304	ASTM A276
11	Facing Seal	EPDM	ASTM D2000
12	Gasket	EPDM	ASTM D2000
13	Bolt	Stainless Steel 304	ASTM A276
14	Plug	Steel 1045	ASTM A29



**Dimensions**

Size	L	D	D1	D2	B	C	P1			P2				P3		
2"	169	152	57.15	60.3	7.95	15.88	Rc½-14	Rc½-14	Rc¾-14	Rc1-11	Rc1 ½-11	Rc1 ½-11	Rc2-11	Rc¼-19	Rc¾-19	Rc½-14
							½-14NPT	½-14NPT	¾-14NPT	1-11.5NPT	1 ½-11.5NPT	1 ½-11.5NPT	2-11.5NPT	¼-18NPT	¾-18NPT	½-14NPT
2½"	181	178	69.09	73	7.95	15.88	Rc½-14	Rc½-14	Rc¾-14	Rc1-11	Rc1 ½-11	Rc1 ½-11	Rc2-11	Rc¼-19	Rc¾-19	Rc½-14
			72.26	76.1			½-14NPT	½-14NPT	¾-14NPT	1-11.5NPT	1 ½-11.5NPT	1 ½-11.5NPT	2-11.5NPT	¼-18NPT	¾-18NPT	½-14NPT
3"	198	191	84.94	88.9	7.95	15.88	Rc½-14	Rc½-14	Rc¾-14	Rc1-11	Rc1 ½-11	Rc1 ½-11	Rc2-11	Rc¼-19	Rc¾-19	Rc½-14
			½-14NPT	½-14NPT			¾-14NPT	1-11.5NPT	1 ½-11.5NPT	1 ½-11.5NPT	2-11.5NPT	¼-18NPT	¾-18NPT	½-14NPT		
4"	214	229	110.08	114.3	9.53	15.88	Rc½-14	Rc½-14	Rc¾-14	Rc1-11	Rc1 ½-11	Rc1 ½-11	Rc2-11	Rc¼-19	Rc¾-19	Rc½-14
			½-14NPT	½-14NPT			¾-14NPT	1-11.5NPT	1 ½-11.5NPT	1 ½-11.5NPT	2-11.5NPT	¼-18NPT	¾-18NPT	½-14NPT		
5"	248	254	135.48	139.7	9.53	15.88	Rc½-14	Rc½-14	Rc¾-14	Rc1-11	Rc1 ½-11	Rc1 ½-11	Rc2-11	Rc¼-19	Rc¾-19	Rc½-14
			137.03	141.3			½-14NPT	½-14NPT	¾-14NPT	1-11.5NPT	1 ½-11.5NPT	1 ½-11.5NPT	2-11.5NPT	¼-18NPT	¾-18NPT	½-14NPT
6"	270	280	160.78	165.1	9.53	15.88	Rc½-14	Rc½-14	Rc¾-14	Rc1-11	Rc1 ½-11	Rc1 ½-11	Rc2-11	Rc¼-19	Rc¾-19	Rc½-14
			163.96	168.3			½-14NPT	½-14NPT	¾-14NPT	1-11.5NPT	1 ½-11.5NPT	1 ½-11.5NPT	2-11.5NPT	¼-18NPT	¾-18NPT	½-14NPT
8"	325	343	211.6	216.3	11.13	19.05	Rc½-14	Rc½-14	Rc¾-14	Rc1-11	Rc1 ½-11	Rc1 ½-11	Rc2-11	Rc¼-19	Rc¾-19	Rc½-14
			214.4	219.1			½-14NPT	½-14NPT	¾-14NPT	1-11.5NPT	1 ½-11.5NPT	1 ½-11.5NPT	2-11.5NPT	¼-18NPT	¾-18NPT	½-14NPT
10"	457	406	268.3	273	12.7	19.05	Rc½-14	Rc½-14	Rc¾-14	Rc1-11	Rc1 ½-11	Rc1 ½-11	Rc2-11	Rc¼-19	Rc¾-19	Rc½-14
			½-14NPT	½-14NPT			¾-14NPT	1-11.5NPT	1 ½-11.5NPT	1 ½-11.5NPT	2-11.5NPT	¼-18NPT	¾-18NPT	½-14NPT		
12"	535	483	318.3	323.9	12.7	19.05	Rc½-14	Rc½-14	Rc¾-14	Rc1-11	Rc1 ½-11	Rc1 ½-11	Rc2-11	Rc¼-19	Rc¾-19	Rc½-14
			½-14NPT	½-14NPT			¾-14NPT	1-11.5NPT	1 ½-11.5NPT	1 ½-11.5NPT	2-11.5NPT	¼-18NPT	¾-18NPT	½-14NPT		