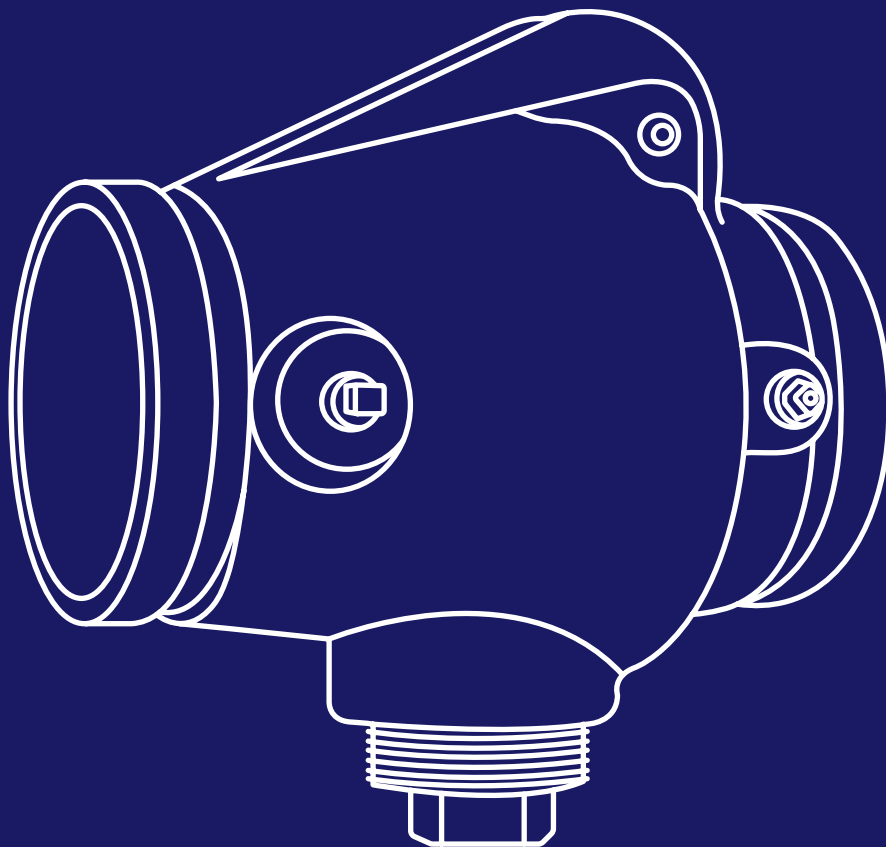


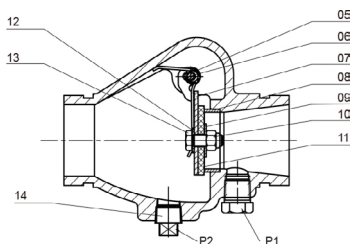
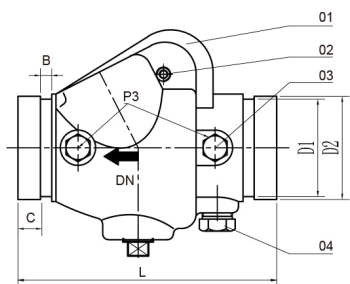


350PSI Grooved Swing Check Valve

Model: FIS - GCV

Version 1.01
July 2025 release

350PSI Grooved Swing Check Valve Model: FIS-GCV



Technical Features

- Groove Standard : ANSI / AWWA C606 or Metric
- 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
- Other Connections: Flange*Flange; Groove*Flange; Flange*Groove
- Applications: Used in one-way flow pipeline to prevent the water from back flow

Valve Material List

No	Name	Material
1	Valve Body	Ductile Iron
2	Bolt	Steel 1045
3	Plug	Steel 1045
4	Plug	Steel 1045
5	Spring	Stainless Steel 304
6	Hinge Pin	Stainless Steel 304/Ductile Iron
7	Clapper	Stainless Steel 304
8	Seat	C95400
9	Clamping Ring	Stainless Steel 304
10	Locknut	Stainless Steel 304
11	Facing Seal	EPDM
12	Gasket	EPDM
13	Bolt	Stainless Steel 304
14	Plug	Steel 1045

Dimensions

Size	L	D1	D2	B	C	P1	P2						P3		
2"	169	57.15	60.3	7.95	15.88	Rc½-14	Rc½-14	Rc¾-14	Rc1-11	Rc1 ½-11	Rc1 ½-11	Rc2-11	Rc¾-19	Rc¾-19	Rc½-14
						½-14NPT	½-14NPT	¾-14NPT	1-11.5NPT	1½-11.5NPT	1½-11.5NPT	2-11.5NPT	¾-18NPT	¾-18NPT	½-14NPT
2½"	181	69.09	73	7.95	15.88	Rc½-14	Rc½-14	Rc¾-14	Rc1-11	Rc1 ½-11	Rc1 ½-11	Rc2-11	Rc¾-19	Rc¾-19	Rc½-14
						½-14NPT	½-14NPT	¾-14NPT	1-11.5NPT	1½-11.5NPT	1½-11.5NPT	2-11.5NPT	¾-18NPT	¾-18NPT	½-14NPT
3"	198	84.94	88.9	7.95	15.88	Rc½-14	Rc½-14	Rc¾-14	Rc1-11	Rc1 ½-11	Rc1 ½-11	Rc2-11	Rc¾-19	Rc¾-19	Rc½-14
						½-14NPT	½-14NPT	¾-14NPT	1-11.5NPT	1½-11.5NPT	1½-11.5NPT	2-11.5NPT	¾-18NPT	¾-18NPT	½-14NPT
4"	214	110.80	114.3	9.53	15.88	Rc½-14	Rc½-14	Rc¾-14	Rc1-11	Rc1 ½-11	Rc1 ½-11	Rc2-11	Rc¾-19	Rc¾-19	Rc½-14
						½-14NPT	½-14NPT	¾-14NPT	1-11.5NPT	1½-11.5NPT	1½-11.5NPT	2-11.5NPT	¾-18NPT	¾-18NPT	½-14NPT
5"	248	135.48	139.7	9.53	15.88	Rc½-14	Rc½-14	Rc¾-14	Rc1-11	Rc1 ½-11	Rc1 ½-11	Rc2-11	Rc¾-19	Rc¾-19	Rc½-14
						½-14NPT	½-14NPT	¾-14NPT	1-11.5NPT	1½-11.5NPT	1½-11.5NPT	2-11.5NPT	¾-18NPT	¾-18NPT	½-14NPT
6"	270	160.78	165.1	9.53	15.88	Rc½-14	Rc½-14	Rc¾-14	Rc1-11	Rc1 ½-11	Rc1 ½-11	Rc2-11	Rc¾-19	Rc¾-19	Rc½-14
						½-14NPT	½-14NPT	¾-14NPT	1-11.5NPT	1½-11.5NPT	1½-11.5NPT	2-11.5NPT	¾-18NPT	¾-18NPT	½-14NPT
8"	325	211.6	216.3	11.13	19.05	Rc½-14	Rc½-14	Rc¾-14	Rc1-11	Rc1 ½-11	Rc1 ½-11	Rc2-11	Rc¾-19	Rc¾-19	Rc½-14
						½-14NPT	½-14NPT	¾-14NPT	1-11.5NPT	1½-11.5NPT	1½-11.5NPT	2-11.5NPT	¾-18NPT	¾-18NPT	½-14NPT
10"	457	268.3	273	12.7	19.05	Rc½-14	Rc½-14	Rc¾-14	Rc1-11	Rc1 ½-11	Rc1 ½-11	Rc2-11	Rc¾-19	Rc¾-19	Rc½-14
						½-14NPT	½-14NPT	¾-14NPT	1-11.5NPT	1½-11.5NPT	1½-11.5NPT	2-11.5NPT	¾-18NPT	¾-18NPT	½-14NPT
12"	535	318.3	323.9	12.7	19.05	Rc½-14	Rc½-14	Rc¾-14	Rc1-11	Rc1 ½-11	Rc1 ½-11	Rc2-11	Rc¾-19	Rc¾-19	Rc½-14
						½-14NPT	½-14NPT	¾-14NPT	1-11.5NPT	1½-11.5NPT	1½-11.5NPT	2-11.5NPT	¾-18NPT	¾-18NPT	½-14NPT



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