

### Swing Check Valve Grooved End

#### Technical Features

**Nominal Pressure:** 350PSI

**Conforms :** AWWA C606

**Groove Standard:** ANSI / AWWA C606 or Metric

**Sizes:** 2 1/2" , 3" , 4" , 5" , 6" , 8" , 10" , 12"

**Face to Face Standard :** ASME B 16.10

**Working Pressure:** 350 PSI (Maximum Testing Pressure 700 PSI)  
conforms to UL 312

**Working Temperature Range:** 0C°-80C°(32°F-176°F)

**Coating Details:** Epoxy coated interior and exterior by Electrostatic  
Spray or coating upon request

#### Applications :

Used both vertically and horizontally

Used in one-way flow pipeline to prevent the water from back flow

**Other Connection:** Flange Flange; Groove Flange Geove

**Approval:** UL



#### Valve Material List

NO	Name	Material	Standard
1	Valve Body	Ductile Iron	ASTM A536 Grade 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	D1	D2	B	C	P1	P2			P3					
2"	169	57.15	60.3	7.95	15.88	Rc 1/2 - 14 1/2 - 14NPT	Rc 1/2 - 14 1/2 - 14NPT	Rc 3/4 - 14 3/4 - 14NPT	Rc 1-11 1-11SNPT	Rc 1 1/4-11 1 1/4 - 11.5 NPT	Rc 1 1/2-11 1 1/2-11.5 NPT	Rc 2-11 2-11SNPT	Rc 1 1/4-19 1/4 - 18NPT	Rc 3/2-19 3/2-18NPT	Rc 1 1/2-14 1/2 - 14NPT
2 1/2"	181	69.09	73	7.95	15.88	Rc 1/2 - 14 1/2 - 14NPT	Rc 1/2 - 14 1/2 - 14NPT	Rc 3/4 - 14 3/4 - 14NPT	Rc 1-11 1-11SNPT	Rc 1 1/4-11 1 1/4 - 11.5 NPT	Rc 1 1/2-11 1 1/2-11.5 NPT	Rc 2-11 2-11SNPT	Rc 1 1/4-19 1/4 - 18NPT	Rc 3/2-19 3/2-18NPT	Rc 1 1/2-14 1/2 - 14NPT
3"	198	84.94	88.9	7.95	15.88	Rc 1/2 - 14 1/2 - 14NPT	Rc 1/2 - 14 1/2 - 14NPT	Rc 3/4 - 14 3/4 - 14NPT	Rc 1-11 1-11SNPT	Rc 1 1/4-11 1 1/4 - 11.5 NPT	Rc 1 1/2-11 1 1/2-11.5 NPT	Rc 2-11 2-11SNPT	Rc 1 1/4-19 1/4 - 18NPT	Rc 3/2-19 3/2-18NPT	Rc 1 1/2-14 1/2 - 14NPT
4"	214	110.08	114.3	9.53	15.88	Rc 1/2 - 14 1/2 - 14NPT	Rc 1/2 - 14 1/2 - 14NPT	Rc 3/4 - 14 3/4 - 14NPT	Rc 1-11 1-11SNPT	Rc 1 1/4-11 1 1/4 - 11.5 NPT	Rc 1 1/2-11 1 1/2-11.5 NPT	Rc 2-11 2-11SNPT	Rc 1 1/4-19 1/4 - 18NPT	Rc 3/2-19 3/2-18NPT	Rc 1 1/2-14 1/2 - 14NPT
5"	248	135.48	139.7	9.53	15.88	Rc 1/2 - 14 1/2 - 14NPT	Rc 1/2 - 14 1/2 - 14NPT	Rc 3/4 - 14 3/4 - 14NPT	Rc 1-11 1-11SNPT	Rc 1 1/4-11 1 1/4 - 11.5 NPT	Rc 1 1/2-11 1 1/2-11.5 NPT	Rc 2-11 2-11SNPT	Rc 1 1/4-19 1/4 - 18NPT	Rc 3/2-19 3/2-18NPT	Rc 1 1/2-14 1/2 - 14NPT
6"	270	160.78	165.1	9.53	15.88	Rc 1/2 - 14 1/2 - 14NPT	Rc 1/2 - 14 1/2 - 14NPT	Rc 3/4 - 14 3/4 - 14NPT	Rc 1-11 1-11SNPT	Rc 1 1/4-11 1 1/4 - 11.5 NPT	Rc 1 1/2-11 1 1/2-11.5 NPT	Rc 2-11 2-11SNPT	Rc 1 1/4-19 1/4 - 18NPT	Rc 3/2-19 3/2-18NPT	Rc 1 1/2-14 1/2 - 14NPT
8"	325	211.6	216.3	11.13	19.05	Rc 1/2 - 14 1/2 - 14NPT	Rc 1/2 - 14 1/2 - 14NPT	Rc 3/4 - 14 3/4 - 14NPT	Rc 1-11 1-11SNPT	Rc 1 1/4-11 1 1/4 - 11.5 NPT	Rc 1 1/2-11 1 1/2-11.5 NPT	Rc 2-11 2-11SNPT	Rc 1 1/4-19 1/4 - 18NPT	Rc 3/2-19 3/2-18NPT	Rc 1 1/2-14 1/2 - 14NPT
10"	457	268.3	273	12.7	19.05	Rc 1/2 - 14 1/2 - 14NPT	Rc 1/2 - 14 1/2 - 14NPT	Rc 3/4 - 14 3/4 - 14NPT	Rc 1-11 1-11SNPT	Rc 1 1/4-11 1 1/4 - 11.5 NPT	Rc 1 1/2-11 1 1/2-11.5 NPT	Rc 2-11 2-11SNPT	Rc 1 1/4-19 1/4 - 18NPT	Rc 3/2-19 3/2-18NPT	Rc 1 1/2-14 1/2 - 14NPT
12"	535	318.3	323.9	12.7	19.05	Rc 1/2 - 14 1/2 - 14NPT	Rc 1/2 - 14 1/2 - 14NPT	Rc 3/4 - 14 3/4 - 14NPT	Rc 1-11 1-11SNPT	Rc 1 1/4-11 1 1/4 - 11.5 NPT	Rc 1 1/2-11 1 1/2-11.5 NPT	Rc 2-11 2-11SNPT	Rc 1 1/4-19 1/4 - 18NPT	Rc 3/2-19 3/2-18NPT	Rc 1 1/2-14 1/2 - 14NPT

