

## SCI AIR & VACUUM VALVE

SCI Air & Vacuum valve, also called large-orifice air valves, are designed to vent large quantities of air automatically during a liquid piping system filling and to admit large quantities of air automatically when the pressure in the liquid piping system drops below atmospheric pressure.



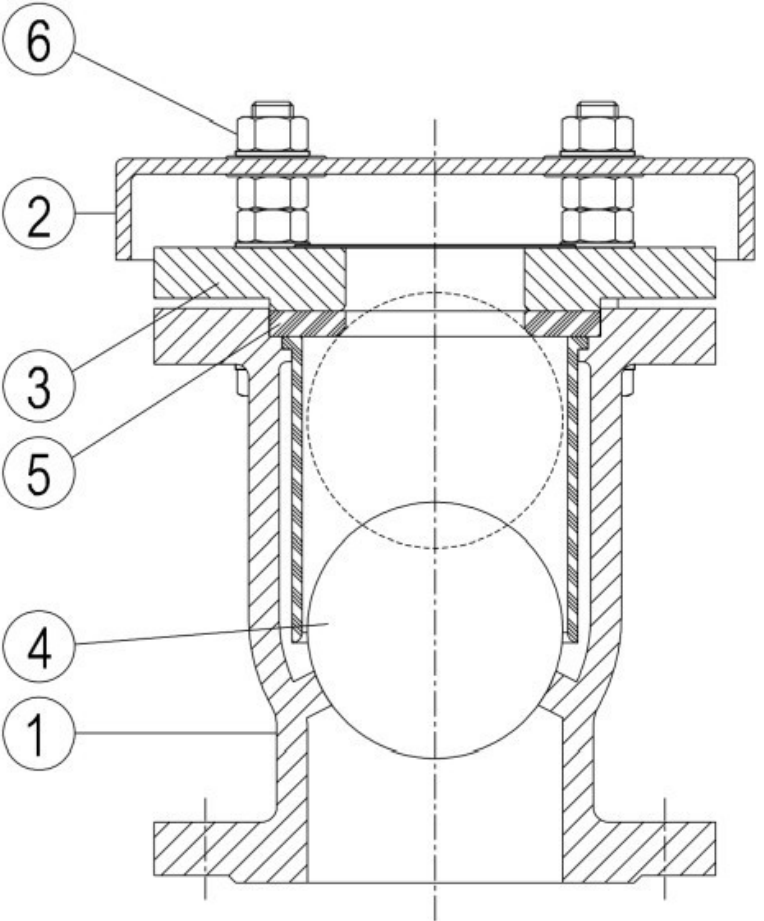
### FEATURES

- Cast Iron or Ductile Iron construction.
- Automatic float operated valve has been designed to release accumulated air from piping system.
- High volume air discharge and air entering.
- ABS or stainless steel float proven long lasting material.
- Fast and easy installation.
- Minimum levels of maintenance and service.
- Reduce maintenance and servicing to a minimum.

### DESIGN SPECIFICATIONS

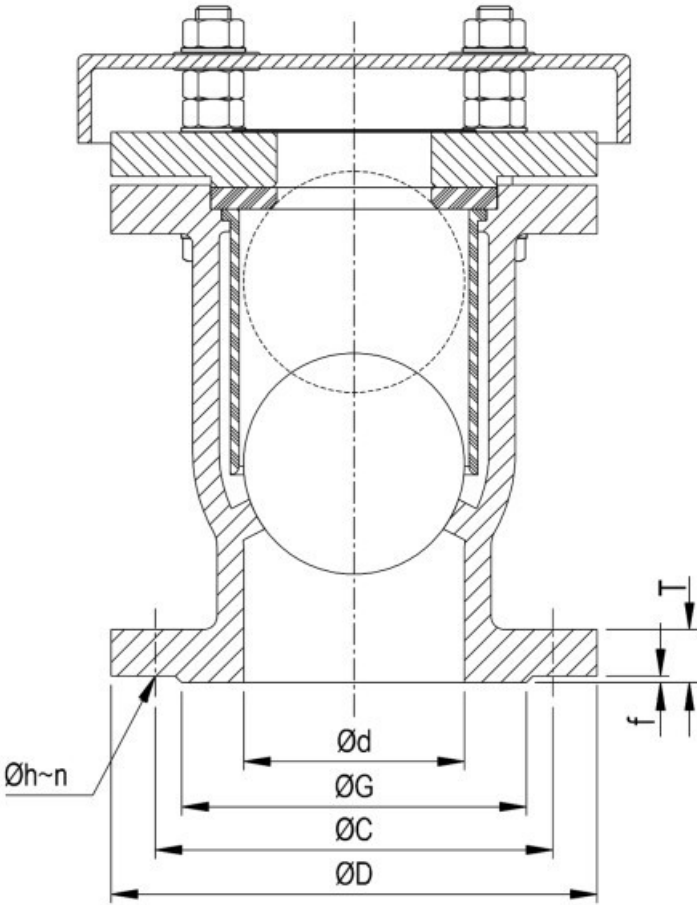
- Size: 25 mm. to 150 mm. for flanged end.
- Size: 25 mm. to 100 mm. for screwed end.
- Working Pressure: 6, 10, 16 Bar
- Temperature: Up to 70°C or 160°F
- Shell test: 1.5xPN
- Seat test: 1.0xPN
- All international flange connections and screwed end.
- Polyester UV Protection and other coating are available.

## Materials



NO.	PARTS	MATERIALS	BS. SPEC.	JIS. SPEC.	ASTM. SPEC.
1	Body	Cast Iron	EN 1561-EN-GJS-250	G 5501 FC 200	A 126 Class B
		Ductile Iron	EN 1536-EN-GJS-500-7	G 5502 FCD 450	A 536 Grade 65-45-12
2	Cover	Cast Iron	EN 1561-EN-GJS-250	G 5501 FC 200	A 126 Class B
		Ductile Iron	EN 1536-EN-GJS-500-7	G 5502 FCD 450	A 536 Grade 65-45-12
3	Gland	Cast Iron	EN 1561-EN-GJS-250	G 5501 FC 200	A 126 Class B
		Ductile Iron	EN 1536-EN-GJS-500-7	G 5502 FCD 450	A 536 Grade 65-45-12
4	Float	ABS	-	-	-
		Stainless Steel	Gr 1.4301,1.4401	G4304 SUS304,316	A 276 Type 304,316
5	Plate Seat	Rubber (NBR)	EN 681-1	K 6353 CLASS III	D 2000 BK 707
		Rubber (EPDM)	EN 681-1	K 6353 CLASS III	D 2000 CA 707
6	Cover Stud & Nut	Galvanized Steel	4190	-	A 307 Grade B
		Stainless Steel	Gr 1.4301,1.4401	G4304 SUS304,316	A 276 Type 304,316

## Dimensions



### ISO7005-2 PN10, 16

SIZE	FLANGED ISO 7005-2 PN10&PN16 cast iron							FLANGED ISO 7005-2 PN10&PN16 ductile iron						
Ød	ØD	ØC	ØG	Øh	n	T	f	ØD	ØC	ØG	Øh	n	T	f
25	115	85	65	14	4	16	3	115	85	65	14	4	16	3
40	150	110	84	19	4	18	3	150	110	84	19	4	19	3
50	165	125	99	19	4	20	3	165	125	99	19	4	19	3
80	200	160	132	19	8	22	3	200	160	132	19	8	19	3
100	220	180	156	19	8	24	3	220	180	156	19	8	19	3
150	285	240	211	23	8	26	3	285	240	211	23	8	19	3