



COMBINATION AIR VALVE (ANTI SHOCK/ANTI SURGE)

SCI combination air valves are specially designed for variety water purpose to the most efficiency including anti shock closing from surge and water hammer situation, large volume discharge/admitting of air during the filling or column separation and also release accumulated air while the system is in operation.

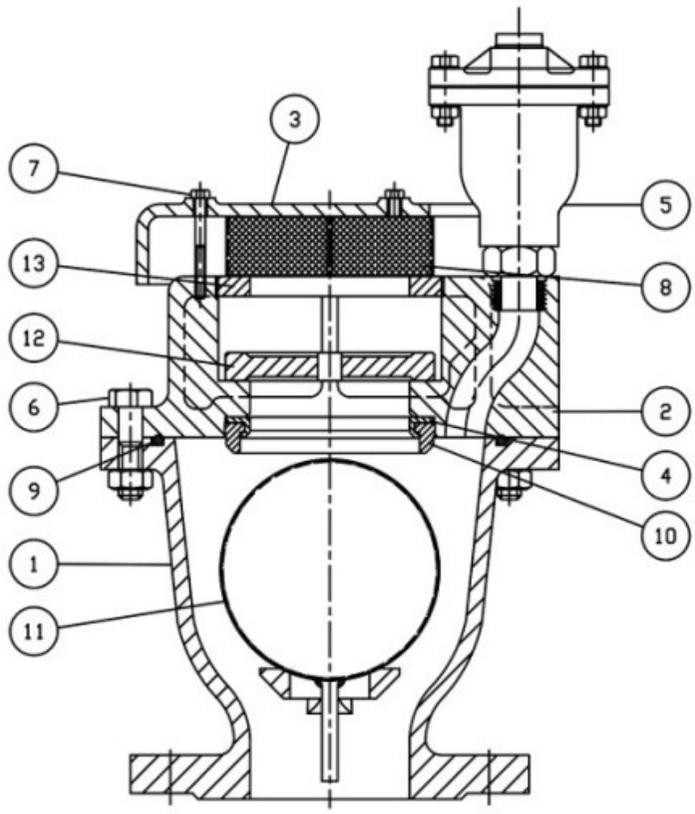
FEATURES

- Anti shock/Anti surge device reducing surge and water hammer.
- Automatic air discharge/admitting and release function.
- Full flow area design.
- Cast iron or Ductile iron construction.
- Corrosion resistant stainless steel Float.
- Screen at outflow port with Cover.
- Minimum levels of maintenance and service.
- Fast and easy installation.

DESIGN SPECIFICATIONS

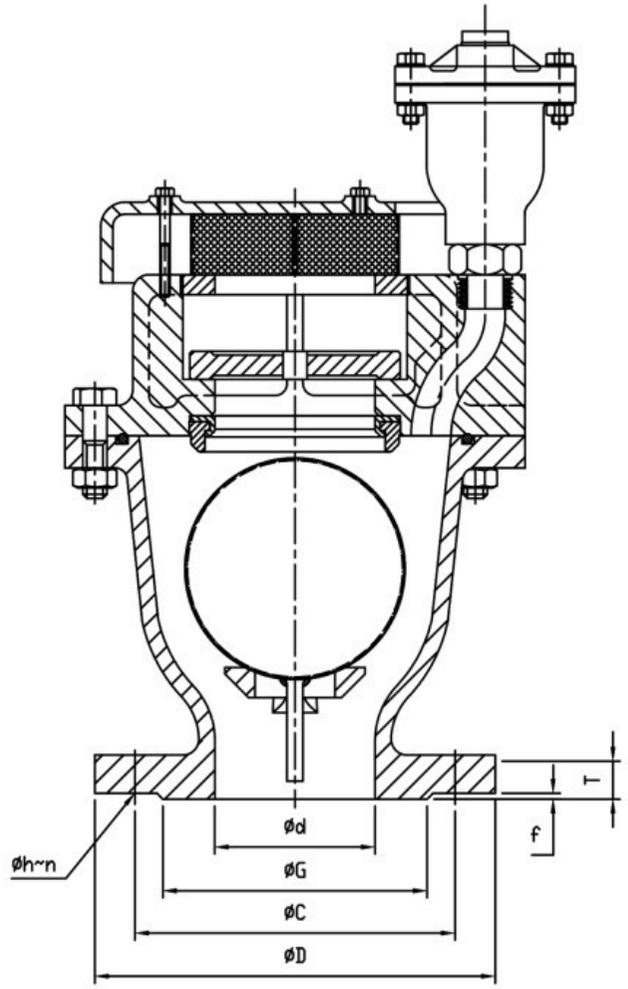
- Size: 50 mm. to 300 mm.
- Working Pressure: 6,10,16,20,25,35,40 Bar
- Temperature: Up to 70°C or 160°F
- Shell test: 1.5xPN.
- Seat test: 1.0xPN
- International Flange connections BS/ISO/ANSI/DIN

Materials



NO.	PARTS	MATERIALS	BS. SPEC.	JIS. SPEC.	ASTM. SPEC.	TIS. SPEC.
1	Body	Cast Iron	EN 1561-EN-GJS-250	G 5501 FC 200	A 126 Class B	TIS. 536
		Ductile Iron	EN 1536-EN-GJS-500-7	G 5502 FCD 450	A 536 Grade 65-45-12	TIS. 537(SGI 500)
2	Bonnet	Cast Iron	EN 1561-EN-GJS-250	G 5501 FC 200	A 126 Class B	TIS. 536
		Ductile Iron	EN 1536-EN-GJS-500-7	G 5502 FCD 450	A 536 Grade 65-45-12	TIS. 537(SGI 500)
3	Cover	Cast Iron	EN 1561-EN-GJS-250	G 5501 FC 200	A 126 Class B	TIS. 536
		Ductile Iron	EN 1536-EN-GJS-500-7	G 5502 FCD 450	A 536 Grade 65-45-12	TIS. 537(SGI 500)
4	Seat Holder	Brass	EN 12165-CW721R	H 3422 BsBMD2	B 21	-
5	Automatic Air Release Valve	Cast Iron	EN 1561-EN-GJS-250	G 5501 FC 200	A 126 Class B	TIS. 536
		Ductile Iron	EN 1536-EN-GJS-500-7	G 5502 FCD 450	A 536 Grade 65-45-12	TIS. 537(SGI 500)
6	Bonnet Bolt & Nut	Galvanized Steel	4190	-	A 307 Grade B	TIS. 171
		Stainless Steel	Gr 1.4301,4401	G 4304 SUS 304,316	A 276 Type 304,316	TIS. 171
7	Cover Bolt	Galvanized Steel	4190	-	A 307 Grade B	TIS. 171
		Stainless Steel	Gr 1.4301,4401	G 4304 SUS 304,316	A 276 Type 304,316	TIS. 171
8	Screen	Stainless Steel	Gr 1.4301	G 4304 SUS 304	A 276 Type 304	-
9	O-Ring	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	-
10	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	-
11	Float	Stainless Steel	Gr 1.4301	G 4304 SUS 304	A 276 Type 304	-
12	Surge Protection Plate	Aluminum	-	-	-	-
13	Surge Protection Seat	Aluminum	-	-	-	-

Dimensions



BS EN1092-2 PN10, 16

SIZE	FLANGED BS. EN1092-2 PN10 cast iron							FLANGED BS EN 1092-2 PN 16 cast iron						
	Ød	ØD	ØC	ØG	Øh	n	T	f	ØD	ØC	ØG	Øh	n	T
50	165	125	99	19	4	20	3	165	125	99	19	4	20	3
80	200	160	132	19	8	22	3	200	160	132	19	8	22	3
100	220	180	156	19	8	24	3	220	180	156	19	8	24	3
150	285	240	211	23	8	26	3	285	240	211	23	8	26	3
200	340	295	266	23	8	26	3	340	295	266	23	12	30	3
250	395	350	319	23	12	28	3	405	355	319	28	12	32	3
300	445	400	370	23	12	28	4	460	410	370	28	12	32	4

SIZE	FLANGED BS. EN1092-2 PN10 ductile iron							FLANGED BS EN 1092-2 PN 16 ductile iron						
	Ød	ØD	ØC	ØG	Øh	n	T	f	ØD	ØC	ØG	Øh	n	T
50	165	125	99	19	4	19	3	165	125	99	19	4	19	3
80	200	160	132	19	8	19	3	200	160	132	19	8	19	3
100	220	180	156	19	8	19	3	220	180	156	19	8	19	3
150	285	240	211	23	8	19	3	285	240	211	23	8	19	3
200	340	295	266	23	8	20	3	340	295	266	23	12	20	3
250	400	350	319	23	12	22	3	400	355	319	28	12	22	3
300	455	400	370	23	12	24.5	4	455	410	370	28	12	24.5	4

