

Bill Of Materials		
No.	DESCRIPTION	MATERIAL & SPEFICATION
01.	Body	Cast Iron IS : 210 Gr. FG 200
02.	Low Pressure Cover	Cast Iron IS : 210 Gr. FG 200
03.	Cowl	Cast Iron IS : 210 Gr. FG 200
04.	Joint Support	Cast Iron IS : 210 Gr. FG 200
05.	L. P. Seat Ring	Natural Rubber, IS : 11855
06.	Ferrule	LTB, IS : 318 GR. LTB-2
07.	L. P. Ball (Float)	Timber Core Vulcanite Coating
08.	Bolts & Nuts	Carbon Steel IS : 1363

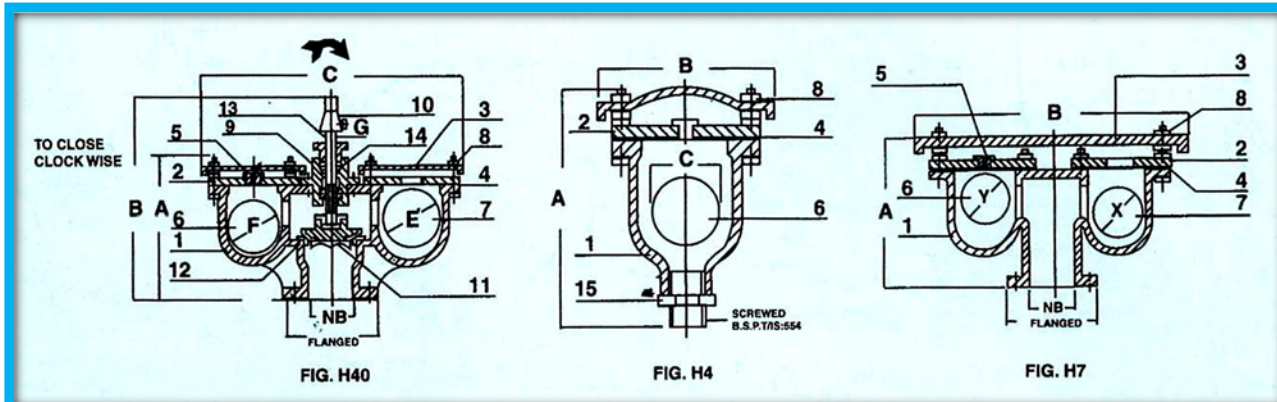
Single Air Valve (G&K) H4			
Valve Size N.B. (mm)	B (Max)	C SQ (Min)	Float Dia.
15	197	200	63.5
20	209	196	63.5
25	216	210	76.0
40	235	196	89.0

IS : 14845 FIG-IS (Small Orifice)			
Valve Size N.B. (mm)	B (Max)	C SQ (Min)	Float Dia.
15	196	118	75
25	255	158	100
40	290	158	100

IS : 14845 FIG-IS (Large Orifice)			
Valve Size N.B. (mm)	B (Max)	C SQ (Min)	Float Dia.
25	202	164	75
40	237	180	75
50	287	180	75

- Construction of Materials as specified in the drawing are Standard speiciation which may be provide
- Flange Ends as per IS : 1538 or customer's requirement.
- Manufacturing Range : NB 50mm – 1200mm.
- Flange Standard : IS 1538 Optional Din/ANS/BS
- Tested Hydraulically for Strength to Twice W.P.
- Hydro Static Working Pressure In 4.5 -17 Kg/Cm2
- For Higher Pressure Rating Refer to Company.
- All DIMENTION Are In mm.

# Cast Iron Single / Double Acting Air Valve as Per G & K Catalogue



Double Air Valve (G & K) H7				
Valve Size	A	B	Float Dia.	Float Dia.
NB	(Max)	(Max)	X	Y
40	228.6	330.0	63.5	79.3
50	254.0	374.6	76.0	98.0
65	260.0	444.0	98.0	98.0
80	260.0	444.0	98.0	98.0
100	330.0	527.0	127.0	127.0
150	482.8	654.0	203.0	127.0
200	587.0	800.0	254.0	139.7

Double Air Valve (G & K) H40						
Valve Size	A	B	C	Float Dia.	Float Dia.	Spindle Dia.
NB	(Max)	(Max)	(Max)	E	F	G
40	196.85	352.29	396.87	63.5	79.0	20
50	241.30	412.70	470.00	76.0	98.0	20
65	257.00	438.00	527.00	98.0	98.0	22
80	257.00	438.00	527.00	98.0	98.0	24
100	317.50	520.70	673.00	127	127.0	24
150	435.00	641.35	806.45	203	127.0	26
200	577.80	787.40	1028.7	254	139.7	28

No.	DESCRIPTION	MATERIAL & SPECIFICATION
01.	Body	C.I., IS : 210 FG 200/260
02.	Splash Cover	C.I., IS : 210 FG 200/260
03.	Dust Cover	C.I., IS : 210 FG 200/260
04.	Gasket	Rubber
05.	Air Nipple	Brass
06.	Float	Soft Rubber
07.	Float	Hard Vulcanite
08.	Bolts & Nuts	Carbon Steel
09.	Housing	C.I., IS : 210 FG 200/260
10.	Cap	C.I., IS : 210 FG 200/260
11.	Valve Disc	C.I., IS : 210 FG 200/260
12.	Seat Ring	G.M. / S.S
13.	Spindle	S.S. / H.T.B.
14.	Packing	Jute & Hemp
15.	Ferrule	Brass / M.S. / G.I.

Single Air Valve (G & K) H4			
Valve Size	A	B	C
NB	(Max)	(Max)	(Max)
15	197	200	63.5
20	209	196	63.5
25	216	210	76.0
40	235	196	89.0

### \*Flanges :-

**Standard** : IS : 1538    **Optical** : DIN/ANSI/BS

\* Tested Hydraulically for Strength to Twice W.P

\* Valve Spindle Accurately Threaded Milled.

\* Hydro Static Test Pressure In Kg/Cm2

FIG. H 4 - Body : 12    Seat : 6

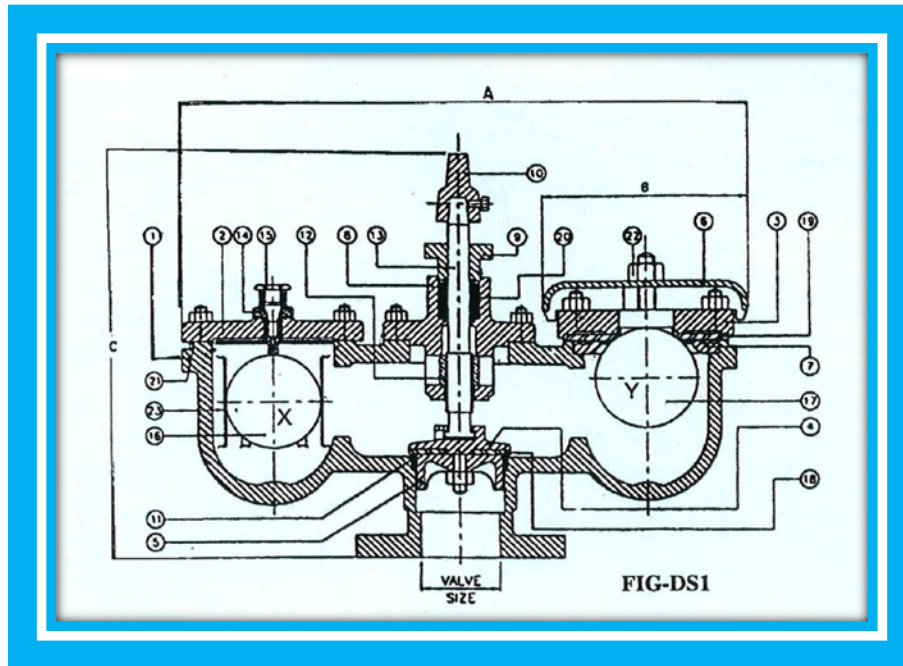
FIG. H 7 - Body : 20    Seat : 10

FIG. H 40 - Body : 20    Seat : 10

\* Maximum Working Pressure 6 & 10 Kg/Cm2

\* All Dimension are In MM.

\* For High Pressure rating refer To Company.



**Bill Of Materials**

No.	DESCRIPTION	MATERIAL & SPECIFICATION
01.	Body	C.I. IS : 210 FG 200/260
02.	H. P. Cover	C.I. IS : 210 FG 200/260
03.	L. P. Cover	C.I. IS : 210 FG 200/260
04.	Valve	C.I. IS : 210 FG 200/260
05.	Valve Holder	C.I. IS : 210 FG 200/260
06.	Cowl	C.I. IS : 210 FG 200/260
07.	Joint Support Ring	C.I. IS : 210 FG 200/260
08.	Valve Cover	C.I. IS : 210 FG 200/260
09.	Gland	C.I. IS : 210 FG 200/260
10.	Cap	C.I. IS : 210 FG 200/260
11.	Body Seta Ring	LTB IS : 318 GR, LTB - 2
12.	Stem Nut	LTB IS : 318 GR, LTB - 2
13.	Stem	S.S. IS : 6603 GR 12 CR 13
14.	Orifice Cover	C.I. IS : 210 FG 200/260
15.	Orifice Nipple	LTB IS : 318 GR, LTB - 2
16.	Float (S. Orifice)	Timber Core With Rubber Coating
17.	Float (L. Orifice)	Timber Core With Vulcanite Coating
18.	Valve Disc	C.I. IS : 210 FG 200/260
19.	L. P. Seat Ring	LTB IS : 318 GR, LTB - 2
20.	Packing	Jute & Hemp
21.	Gasket	Rubber
22.	Bolt & Nut	Carbon Steel IS : 1363

**Double Air Valve As Per DS-1**

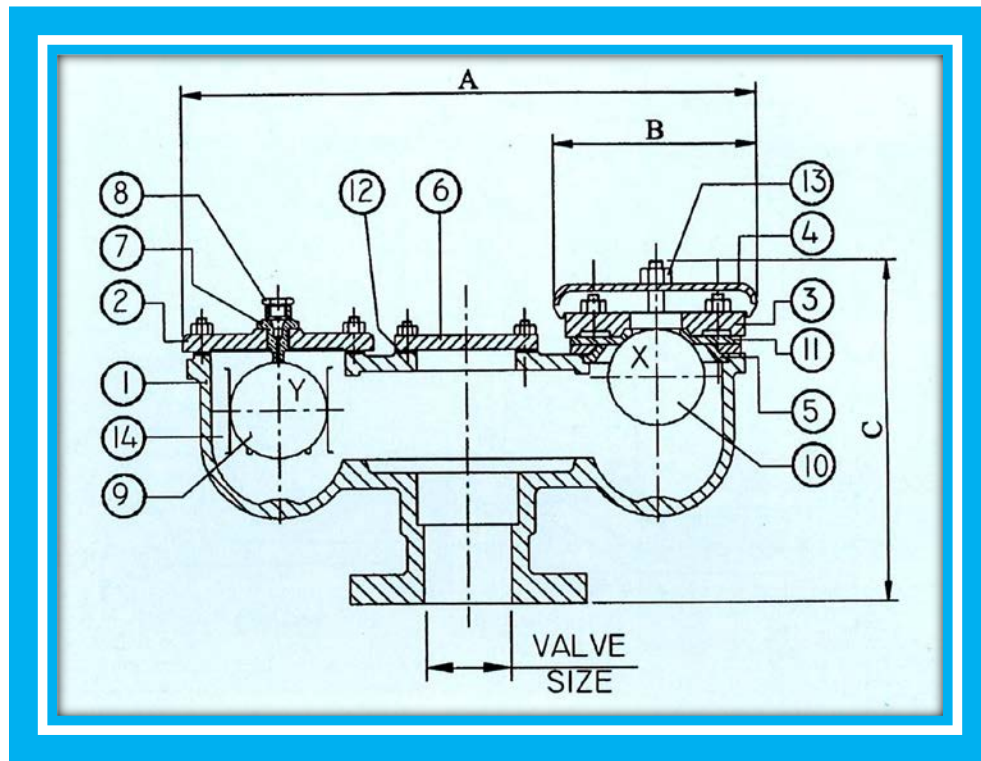
Valve Size	A	B	C	X	Y
	(Min)	(Min)	(Min)	Large Orifice	Small Orifice
40	442	210	371	75	100
50	442	210	407	75	100
80	504	236	431	100	100
100	634	280	501	125	125
150	862	430	620	200	125
200	988	506	735	250	140

\*Construction of Materials as Specified in the drawing Are standard specification which may be provide other than standard

\*Flange as per IS : 1538 Or customer's requirements

\*Manufacturing range : 50mm to 1200mm NB

\*All Dimension are In MM.



**Bill Of Materials**

No.	DESCRIPTION	MATERIAL & SPECIFICATION
01.	Body	C.I. IS : 210 FG 200/260
02.	H. P. Cover	C.I. IS : 210 FG 200/260
03.	L. P. Cover	C.I. IS : 210 FG 200/260
04.	Cowl	C.I. IS : 210 FG 200/260
05.	Joint Support Ring	C.I. IS : 210 FG 200/260
06.	Cover	C.I. IS : 210 FG 200/260
07.	H.P. Orifice Cover	C.I. IS : 210 FG 200/260
08.	H.P. Orifice Plug	C.I. IS : 210 FG 200/260
09.	Float (S. Orifice)	Timber Core With Rubber Coating
10.	Float (L. Orifice)	Timber Core With Vulcanite Coating
11.	L.P. Seat Ring	LTB, IS : 210 GR, FG-2
12.	Gasket	Rubber
13.	Bolt & Nut	Carbon Steel IS : 1363
14.	Guide & Bush	LTB, IS : 318 LT-2

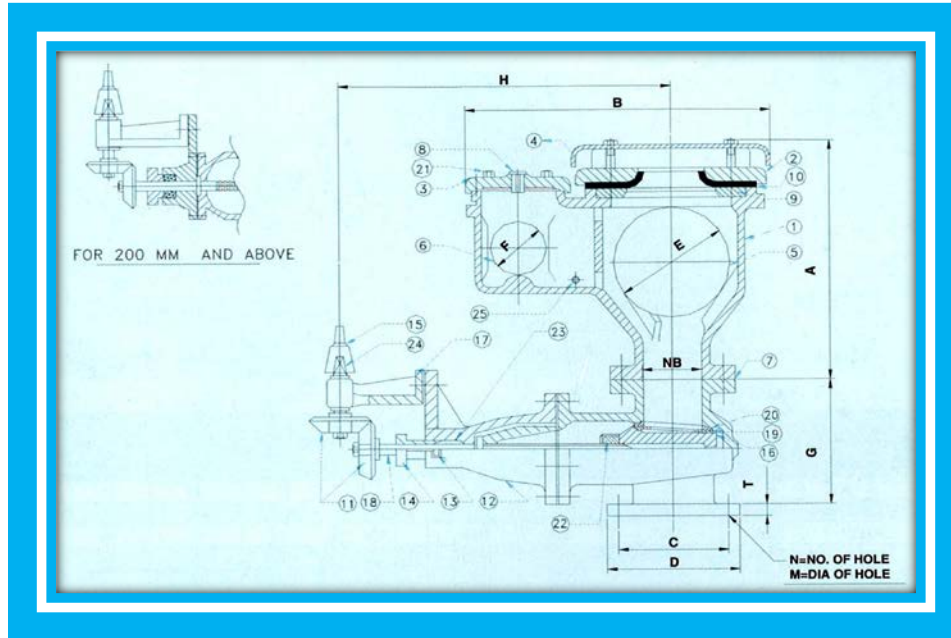
**Double Air Valve As Per DS-2**

Valve Size	A	B	C	Float Dia.	
	(Min)	(Min)	(Min)	Small Orifice	Large Orifice
40	442	210	224	100	75
50	442	310	646	100	75
80	504	236	287	100	100
100	634	280	356	125	125
150	862	430	476	125	200
200	988	506	580	140	250

- Construction of Materials as specified in the drawing are standard specification which may be provide other than standard.
- Flange ends as per IS : 1538 or customers requirement.
- Manufacturing range : NB 40mm to 200mm
- All Dimension are In MM.



# Cast Iron Kinetic Air Release Valves As Per G & K Catalogue Fig - H42K With Isolating Valves

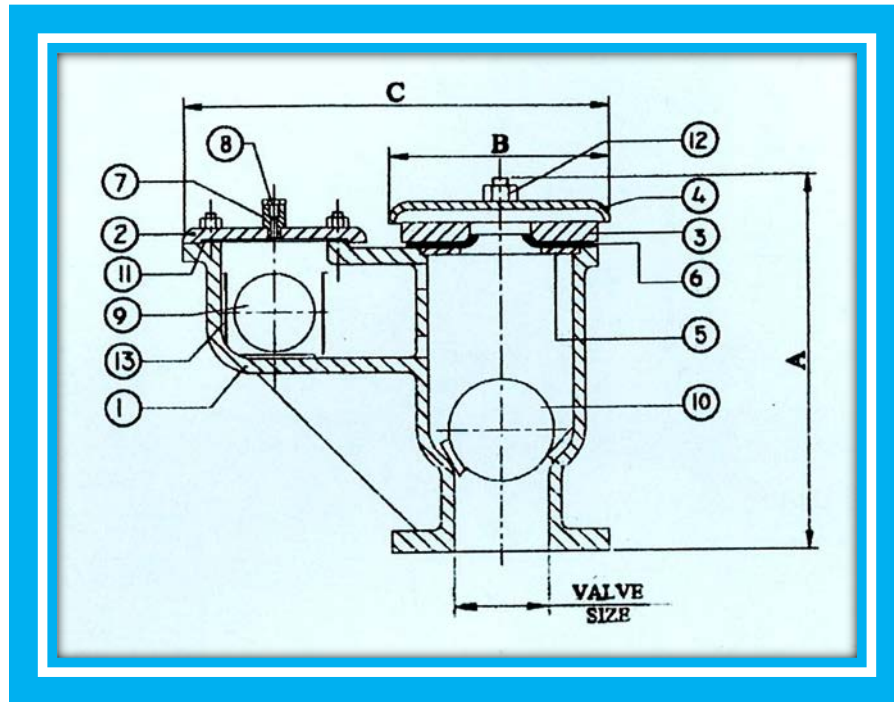


Valve Size In mm.	Height Max (N)	Width Max (N)	Large Orifice Max	Small Orifice Max	Face To Face	Stem Dia.
	A	B	E	F	G	S
40	230	330	54.0	92.0	165	22
50	285	373	76.0	98.2	178	22
65	310	380	98.0	114	190	22
80	360	450	98.4	114	203	22
100	430	550	127	127	229	27
125	430	550	165	139.7	254	27
150	490	580	203.2	152	267	27
200	580	630	254.0	152	292	32

## BILL OF MATERIALS

No.	DESCRIPTION	MATERIAL & SPECIFICATION	No.	DESCRIPTION	MATERIAL & SPECIFICATION
01.	Body	C.I. IS : 210 FG 200/260	14.	Float (S. Orifice)	Timber Core With Rubber Coating
02.	H. P. Cover	C.I. IS : 210 FG 200/260	15.	Float (L. Orifice)	Timber Core With Vulcanite Coating
03.	L. P. Cover	C.I. IS : 210 FG 200/260	16.	Stem	S.S. IS : 6603 GR 12 CR 13
04.	Cowl	C.I. IS : 210 FG 200/260	17.	Body Seat Ring	LTB IS : 318 GR, LTB - 2
05.	Metre Wheel	C.I. IS : 210 FG 200/260	18.	Wedge Face, Ring	LTB IS : 318 GR, LTB - 2
06.	Bonnet	C.I. IS : 210 FG 200/260	19.	Driving Shaft	M.S.
07.	Surface Box	C.I. IS : 210 FG 200/260	20.	Drain Plug	SS/MS Galvanised
08.	Gland	C.I. IS : 210 FG 200/260	21.	Bolt & Nut	Carbon Steel IS : 1363
09.	Cap	C.I. IS : 210 FG 200/260	22.	Wedge Nut	LTB, IS : 318 GR, LTB-2
10.	Wedge	C.I. IS : 210 FG 200/260	23.	Packing	Jute & Hemp, IS : 5414
11.	Bracket	C.I. IS : 210 FG 200/260	24.	Driving Shaft	Natural Rubber
12.	J. S. Ring	C.I. IS : 210 FG 200/260	25.	Gasket	Rubber, IS : 638 Type-B
13.	Orifice Nipple	LTB IS : 318 GR, LTB - 2			

## Cast Iron Kinetic Air Release Valves As Per 14845/2000 Fig. DK



### Bill Of Materials

No.	DESCRIPTION	MATERIAL & SPECIFICATION
01.	Body	C.I. IS : 210 FG 200/260
02.	H. P. Cover	C.I. IS : 210 FG 200/260
03.	L. P. Cover	C.I. IS : 210 FG 200/260
04.	Cowl	C.I. IS : 210 FG 200/260
05.	Joint Support Ring	C.I. IS : 210 FG 200/260
06.	L.P. Seat Ring	Rubber
07.	H.P. Orifice	LTD IS : 318 LT-2
08.	H.P. Orifice Plug	C.I. IS : 210, FG-200
09.	Ball for H.P. Chamber (Float)	Timber Core With Vulcanite Coating
10.	H. P. Chamber (Float)	Timber Core With Vulcanite Coating
11.	Gasket	Rubber
12.	Bolt & Nuts	C.S. IS : 1563
13.	Guide Bush	LTB : IS 318 LT-2

### IS 14845 : 2000 (DK)

Valve Size In mm.	A	B	C	Float Dia.	
	(Min)	(Min)	(Min)	Small Orifice	Large Orifice
40	260	196	324	90	55
50	280	211	352	100	75
80	305	236	373	115	100
100	360	280	424	125	125
150	487	450	674	150	200
200	700	506	739	150	250

- Construction of Materials as specified in the drawing are standard specification which may be provide other than standard.
- Flange ends as per IS : 1538 or customers requirement.
- Manufacturing range : NB 40mm to 200mm
- All Dimension are In MM.