



innovations with a "difference"

D.I. DUOACT AUTOMATIC AIR VALVE SINGLE CHAMBER TYPE

APPLICATION

High-capacity, single-chamber air valve with triple function for venting and releasing air in pipelines as well as for releasing air during operation, designed according to the AWWA standard. Corrosion-proof due to stainless steel inner parts. Safe and reliable operation even at high air-release velocities of up to sonic speed. Suitable for use in water treatment, water distribution, in dams, power plants and

Specification & Features

- Resilient seated
- With flange end acc. to EN 1092-2/IS 1538
- Single chamber air valve in compact design
- Size of the inlet area correspond to the size of the outlet area
- Very high discharge capacity up to sonic velocity due to stabilised floater
- Triple function air valve
- Venting function:
 - Large orifice to vent high quantities of air during draining the pipeline
 - Large orifice to release high quantities of air during filling the pipeline
 - Small orifice to release low quantities of air during operation under pressure
- Minimum operation pressure: 0.3 bar
- With sidewise drainage plug (Optional)

CORROSION PROTECTION

- Inside and outside epoxy coating acc. to GSK guidelines



HYDRO TEST DETAIL

DN	40~200	
Nominal Pressure MPa	1.0 MPa	1.6 MPa
Shell Test MPa	1.5 MPa	2.4 MPa
Work Temperature	< 80 °C	
Medium	Water, Waste Water	
Material	Ductile Iron	

ARTICLE NO.: LPV 1049

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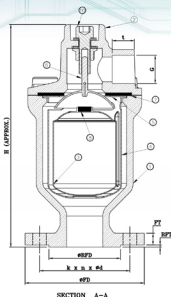
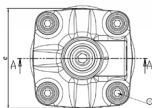


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Materials of Construction:

SL. NO.	PART NAME	No. OF	MATERIAL
1.	BOUN	1	D.I.
2.	BONNET	1	D.I.
3.	FLOAT	1	S.S.
4.	FLOAT JACKET	1	S.S.
5.	FLAT RING	1	S.S.
6.	CAP NIPPLE	1	S.S.
7.	SEALING LP	1	EPDM
8.	SEALING RP	1	EPDM
9.	ALLEN BOLTS	4	S.S.
10.	ALLEN BOLT NUT & WASER	1	S.S.



k = P.C.D.
n = Nos. Off Holes
ød = Holes Dia

SECTION A-A

Sizes / Dimensions:

Inches	mm	O.F.D	O.R.F.D	C	H	t	FT	RFT	G.BSP	k-o-D d
1 1/2"	40	150	84	160	340	25	16	3	1 1/2"	110-4-19
2"	50	165	99	160	340	30	16	3	2"	125-4-19
3"	80	200	133	185	380	30	18	3	2 1/2"	160-4-19
4"	100	220	153	250	510	40	19	3	4"	180-8-19
6"	150	285	209	250	510	40	20	3	3/4"	240-8-23
8"	200	340	264	250	510	40	21.5	3	3/4"	295-8-23



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