



Enriching Lives

## AIR VALVE

AS PER AWWA C 512



**KIRLOSKAR BROTHERS LIMITED**

# KIRLOSKAR AIR VALVE AS PER AWWA C512

Widely accepted by Municipal Corporations, Irrigation Authorities, Water Supply Authorities, National Thermal Power Corporation, Nuclear Power Corporation and Industrial users.

Designed as per latest editions of AWWA C 512 specifications.

## Applications :

- Kinetic Air Valves are commonly used in air venting / air admission services in water pipe line
- These are designed to operate with the floats inside
- Turbine or clear water
- Sewage

## Operating Principles :

- Release air when the main is filled and to close and remain closed when the pipe is full to prevent the loss of water
- Open and admit air when the main is being emptied
- Release air accumulated under pressure during normal working conditions in the pipe, again without the loss of water

## Special Features :

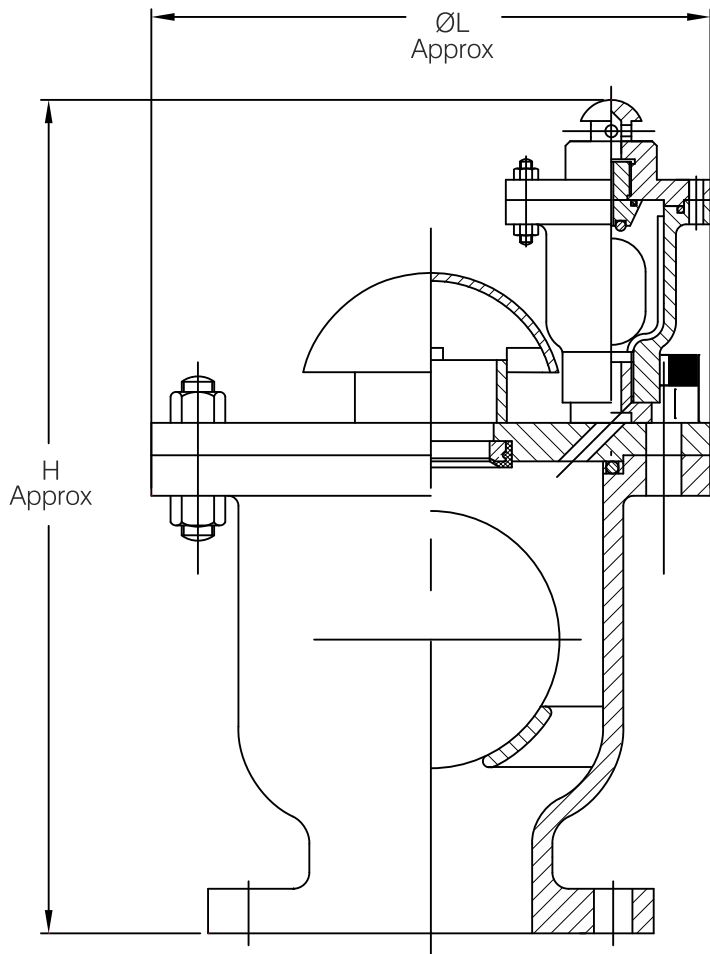
- Kirloskar AWWA C512 Air Valve is a combination of Air-Release and Vacuum valve
- Stainless Steel Floats meaning Zero maintenance and no spares required for design-life of valve
- Temper proof design of Air Vent
- Compact and light weight design requires less space
- Perfect guide for small orifice float and guide ribs with minimum clearance for large orifice float for movement with out wobble result into trouble free operation.

## Material of Construction :

	Body, Lock	Nozzle, Orifice	Float	Cover	O-Rings
Standard	CI IS 210 Gr FG 260	Bronze with Natural Rubber	ST.ST.AISI 304	MS IS 2060 GrE250A	Natural Rubber
Optional	Ductile Iron Cast Steel 2% Ni Ci Type-D2 Stainless Steel Duplex	MS with Natural Rubber	ST.ST.AISI 316		Nitrile Rubber EPDM

Note : \* For special material of construction ,Contact Design Office.

\* Protective coating for Body (Corrocoat / EPDM Lining) as per requirement



## Technical Specifications :

Design and Manufacturing Standard

- AWWA C 512

Testing Standard

- AWWA C 512

Size Range

- 50 mm to 200 mm

Pressure Rating

- PN 10, PN 16

\*For Higher Pressure Rating Contact Design Office

## End Connection :

Availability

Flange Drilling Standard

Standard Supply

ANSI B 16.1 / 16.5

Optional

BSEN 1092-2 PN 10, PN 16

BS:10-Tbl D/E/F

IS:1538 Table 5 , Table 4 and 6

DIN 2532 (10Bar)

IS:6392

## Dimensions

Valve Size	H	LØ	Suitable For Main Size
50	350	200	125 to 200
80	375	230	225 to 350
100	423	310	400 to 500
150	538	425	600 to 900
200	587	385	1000 to 1200

Note : \* All Dimensions are in 'mm' otherwise stated.

## Hydrostatic Test Pressures :

Scope	Size Range	Testing Standard and Pressure Rating Bar	Hydrostatic test Pressures Bar		
			Body	Seat-LP	Seat-HP
Standard Supply	50-200 mm	PN10	15	1.38	15
	50-200 mm	PN16	24	1.38	24
Optional	For Higher Pressure ratings can be supplied on case to case bases				

## ABOUT KBL

Kirloskar Brothers Limited (KBL) is a world class pump manufacturing company with expertise in engineering and manufacture of systems for fluid management. Established in 1888 and incorporated in 1920, KBL is the flagship company of the \$ 2.1 billion Kirloskar Group. As the market leader in fluid management, KBL provides complete fluid management solutions for large infrastructure projects in the areas of water supply, power plants, irrigation, oil & gas and marine & defence. We engineer and manufacture industrial, agriculture & domestic pumps, valves and hydro turbines.

In 2003 KBL acquired SPP Pumps, United Kingdom and established SPP Inc., Atlanta, USA, as a wholly owned subsidiary of SPP, UK and expanded its international presence. In 2007, Kirloskar Brothers International B.V., The Netherlands and Kirloskar Brothers (Thailand) Ltd, a wholly owned subsidiary in Thailand were incorporated. In 2008, KBL incorporated Kirloskar Brothers Europe BV (Kirloskar Pompen BV since June 2014), a joint venture between Kirloskar Brothers International BV and Industrial Pump Group, The Netherlands. In 2010 KBL further consolidated its global position by acquiring Braybar Pumps, South Africa. SPP MENA was established in Egypt in 2012. KBL has a joint venture company with Ebara Corporation, Japan since 1988 for the manufacture of API 610 standard pumps. Kirloskar Corrocoat Private Limited is joint venture cooperation with Corrocoat Ltd., UK since 2006. KBL acquired The Kolhapur Steel Limited in 2007 and Hematic Motors in 2010. In 2014, KBL acquired SyncroFlo. Inc, the largest independent fabricator of commercial and municipal domestic water.

KBL has eight manufacturing facilities in India at Kirloskarvadi, Dewas, Kondhapuri, Shirval, Sanand, Kaniyur, Kolhapur and Karad. In addition, KBL has seven manufacturing and packaging facilities in Egypt, South Africa, Thailand, The Netherlands, United Arab Emirates, United Kingdom and United States of America. KBL has 12,700 channel partners in India and 80 overseas and is supported by best in class network of Authorised Centres and Authorised Refurbishment Centres across the country.

All plants of KBL are ISO 9001, ISO 14001 and OHSAS 18001 standards certified. They apply Total Quality Management tools using European Foundation for Quality Management (EFQM) model. The Kirloskarvadi plant of KBL is a state of art integrated manufacturing facility having one of Asia's largest hydraulic research centre with testing facility up to 5000 kW and 50,000 m<sup>3</sup>/hour.

KBL is the only pump manufacturing company in India and ninth in the world to be accredited with the N and NPT certification by American Society of Mechanical Engineers (ASME).



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#### Our Group Companies



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