



Enriching Lives

COMBINATION AIR VALVE

AS PER AWWA C 512



KIRLOSKAR BROTHERS LIMITED

A Kirloskar Group Company
Established 1888

KIRLOSKAR COMBINATION AIR VALVE AS PER AWWA C512

Widely accepted by Municipal Corporations, Irrigation Authorities, Water Supply Authorities, Power Plants and Industrial users. Designed as per latest edition of AWWA C 512 specifications.

Applications :

- Combination Air Valves are commonly used in air venting / air admission services in water pipe line. These are designed to operate with the floats inside.
- Turbide or clear water
- Sewage up to 5000ppm (Please contact Design office for fluids with more than 5000ppm)

Operating Principles :

- Combination Air Valve is having features of both an Air release valve and an Air / Vacuum valve.
- 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 to relieve negative pressures by admitting 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

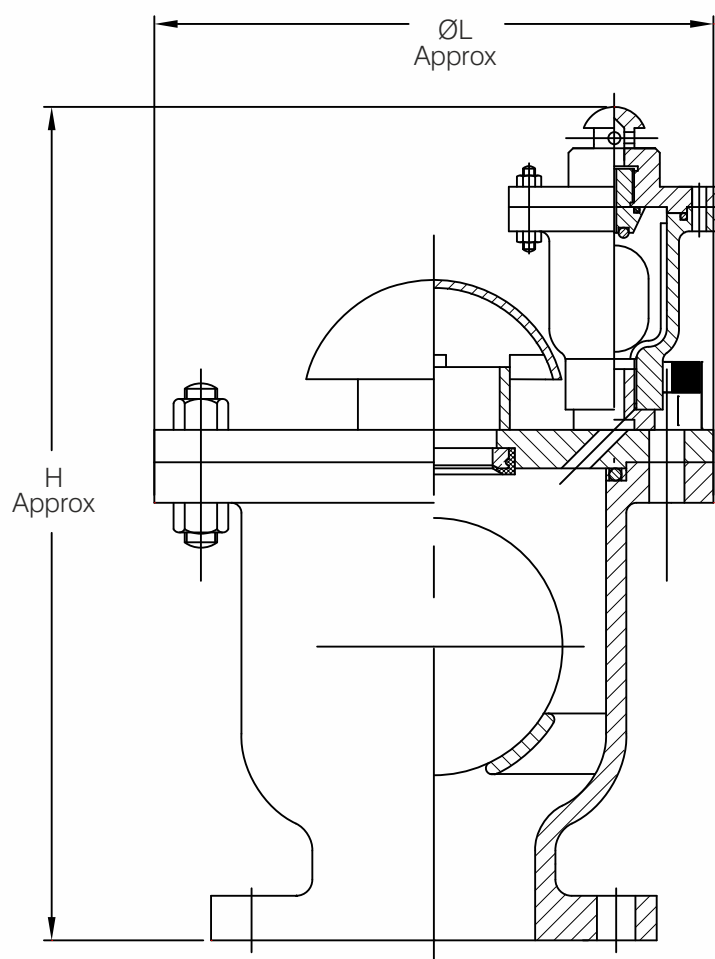
Special Features :

- Kirloskar AWWA C512 Combination Air Valve is a combination of Air-Release and Air / Vacuum valve
- Stainless Steel Floats meaning for Zero maintenance and no spares required for design-life of valve
- Compact and light weight design requires less space
- Perfect guide with minimum clearance for small orifice float and provision of guide stem for large orifice float for movement without wobble throughout its travel resulting 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:2062 Gr. E250A	Nitrile Rubber
Optional	Ductile Iron Cast Steel 2% Ni CI D2 Ni Resist Stainless Steel Duplex Steel	MS with Natural Rubber	ST.ST.AISI 316		EPDM Rubber

Note : 1. For special material of construction ,Contact Design Office.
2. Protective coating for Body 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 and larger sizes,
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

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	385	600 to 900
200	587	425	1000 to 1200

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

Hydrostatic Test Pressures :

Scope	Size Range	Testing Standard and	Hydrostatic test Pressures Bar		
		Pressure Rating (Bar)	Body	Seat - Low Pressure Test	Seat - High Pressure Test
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. KBL, a market leader, 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 and 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 to expand 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 B.V. (Kirloskar Pompen B.V. since June 2014), a joint venture between Kirloskar International B.V. 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. In 2014, KBL acquired SyncroFlo Inc., the largest independent fabricator of commercial and municipal domestic water booster pumps.

To further strengthen its global position, in 2015, Kirloskar Pompen B.V. acquired Rodelta Pumps International, The Netherlands.

KBL has joint venture cooperation with Ebara, Japan since 1988 for the manufacture of API 610 standard pumps. Kirloskar Corrocoat Private Limited is a joint venture cooperation with Corrocoat, UK since 2006. KBL acquired The Kolhapur Steel Limited in 2007 and Hematic Motors in 2010.

KBL has eight manufacturing facilities in India at Kirloskarvadi, Dewas, Kondhapuri, Shirwal, Sanand, Kaniyur, Kolhapur and Karad. In addition, KBL has global 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 the manufacturing facilities at KBL are certified for ISO 9001, ISO 14001, ISO 50001, BS OHSAS 18001 and SA8000. In addition, the Kirloskarvadi plant is also certified for N & NPT Stamp. KBL's corporate office in Pune is certified for ISO 9001 & Sa8000.

The factories deploy Total Quality Management tools using European Foundation for Quality Management (EFQM) model. The Kirloskarvadi plant of KBL is a state-of-the-art integrated manufacturing facility having Asia's largest hydraulic research centre with testing facility upto 5000 kW and 50,000 m³/hr.

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

Pumps | Valves | Hydro Turbines | Turnkey Projects

Water Resource Management | Irrigation | Power | Industry | Oil & Gas | Marine & Defence | Building & Construction | Distribution (Small Pumps) | Valves | Customer Service & Spares

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Registered Office: Udyog Bhavan, Tilak Road, Pune 411002. Tel: +91(20)24440770, Global Headquarters: "Yamuna", Survey No. 98/(3.7), Baner, Pune 411045. Tel: +91(20)27214444, Email: marketing@kbl.co.in, Website: www.kirloskarpumps.com, CIN No.: L29113PN1920PLC000670

OUR COMPANIES



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