



Enriching Lives

## SINGLE FLOAT AIR VALVE

AS PER IS: 14845



**KIRLOSKAR BROTHERS LIMITED**

# SINGLE FLOAT AIR VALVE

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 IS specifications.

## Applications :

- For Automatically releasing air which may accumulate under pressure in a section of pipe line during normal working condition
- Air Valves are commonly used in air venting / air admission services in water pipe line  
These are designed to operate with the floats inside
- Turbid or clean water

## Operating Principles :

- To Release air when the main is being filled and to close and remain closed when the pipe is full to prevent loss of water
- To Open and admit air while the main is being emptied
- To Release air accumulated under pressure during normal working conditions in the pipe, again without loss of water. In Air Valve, this operation is effected automatically by means of a ball float working in conjunction with an orifice of appropriate type for the duty

## Special Features :

- Non clogging and self sealing floats for trouble free operation
- Perfect guide float for movement without wobble during operation
- Specially designed cowl for trouble free valve operation on line. This design will prevent tampering of the large orifice Float
- Maintenance and trouble free operation under maximum working pressure

## Technical Specifications :

Design and Manufacturing Standard	IS:14845
Testing Standard	IS:14845
Size Range	25 mm to 40 mm
Pressure Rating	PN 1.0, PN 1.6

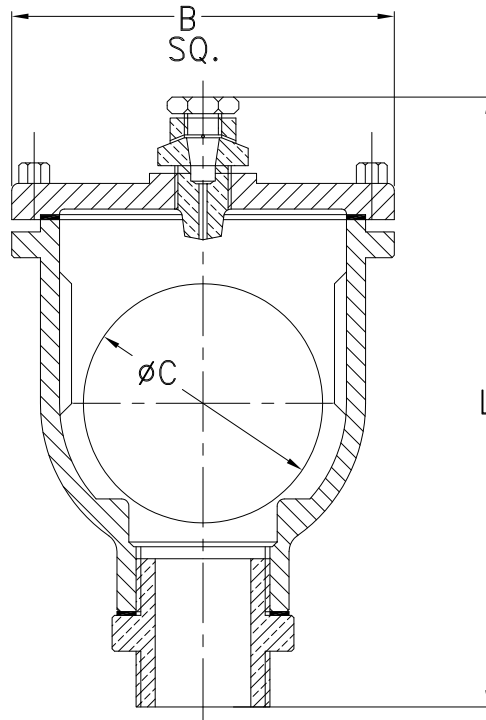
Note: \* For Higher Pressure Rating contact Design Office.

## General Outline Dimensions :

Size	B -SQ	L	Ø C
25	160	256	100
40	160	292	100

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

## General Outline Drawing :



## Material of Construction :

Scope	Body, HP Cover	HP - Orifice Plug	Float for HP - Chamber
Standard	CI IS 210 Gr FG 260	Gun Metal IS 318 Gr LTB2	Vulcanite lined Seasoned timber
Optional	Ductile Iron/ Cast Steel 2% Ni CI/ Type - D2 Stainless Steel/Duplex	ST.ST. 304 ST.ST. 316 ST.ST. 410	SS AISI 304 SS AISI 316

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

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

\* HP- High Pressure.

## End Connection :

End Connection With BSP or NPT Threading

## Hydrostatic test Pressures :

Scope	Size Range	Manufacturing Standard and Pressure Rating	Hydrostatic test pressure Kg / Cm2 (MPa)	
			Body	Seat
Standard Supply	25 mm , 40 mm	IS : 14845 PN 1.0	15. 29 (1.5)	10. 19 (1.0)
		IS : 14845 PN 1.6	24. 47 (2.4)	16. 31 (1.6)
Optional	For higher pressure ratings can be supplied on case to case basis			

## 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).



Scan this code with your smart phone to know more about KBL

As we are constantly endeavouring to improve the performance of our products / equipment, we reserve the right to make alterations from time to time and as such our products / equipments may differ from that detailed in this publication. For latest information you may get in touch with our Regional Sales Offices.



Enriching Lives

### KIRLOSKAR BROTHERS LIMITED

A Kirloskar Group Company

#### GLOBAL HEADQUARTERS :

"YAMUNA", Survey No. 98 (3 to 7), Baner,  
Pune - 411045, INDIA  
Tel.: +91-20 27214444 Fax : +91-20 27211117  
email : kblin@kbl.co.in Website : www.kirloskarpumps.com

#### REGISTERED OFFICE :

Udyog Bhavan, Tilak Road,  
Pune - 411002, INDIA  
Tel.: +91-20 24440770 Fax: +91-20 24440156

#### WORKS :

Kondhapuri, Gat # 252/2 + 254/2, Tal. : Shirur,  
District Pune - 412208, INDIA  
Tel.: 02137-240022 / 240044

#### Our Group Companies



KIRLOSKAR BROTHERS LIMITED  
SFAV-08-2014-00

Pumps | Valves | Hydro Turbines | Turnkey Projects

Water Resource Management | Irrigation | Power | Industry | Gas, Oil & Defence | Building & Construction | Distribution | Customer Service & Spares