



OUR GLOBAL PRESENCE



Enriching Lives

YAMUNA - Global Headquarters, Kirloskar Brothers Limited

“Yamuna”, the Global Headquarters of Kirloskar Brothers Limited, has been designed to reflect the four principle tenets of the Kirloskar Group - Concern for the Environment, Comfort of our People, Commitment to Technology and Innovation and Continued respect for our Heritage.

The corporate office has been awarded the prestigious LEED Platinum rating for green building. The structure that is spread over 3 acres of land and houses 500 employees is able to save up to 50% of energy and 30% of water purely by use of technology and effective design.

“Yamuna” uses water-cooled VRV air conditioning system with sensors for monitoring CO levels and 2 optimizing intake of fresh air. The structure has photovoltaic panels to generate electricity and meeting 2.6% of power consumption.

“Yamuna” has maximum use of glass panels along walls that allow natural light inside the building, thereby saving on electricity. Most of the illuminating lights have CFL fixtures that are extremely energy efficient. The structure also uses other energy efficient gadgets like LCD monitors etc. The facility derives a substantial amount of water from the recharge pits by rainwater harvesting.

As we are constantly endeavoring to improve the performance of our products / equipments, 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.



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KIRLOSKAR BROTHERS LIMITED

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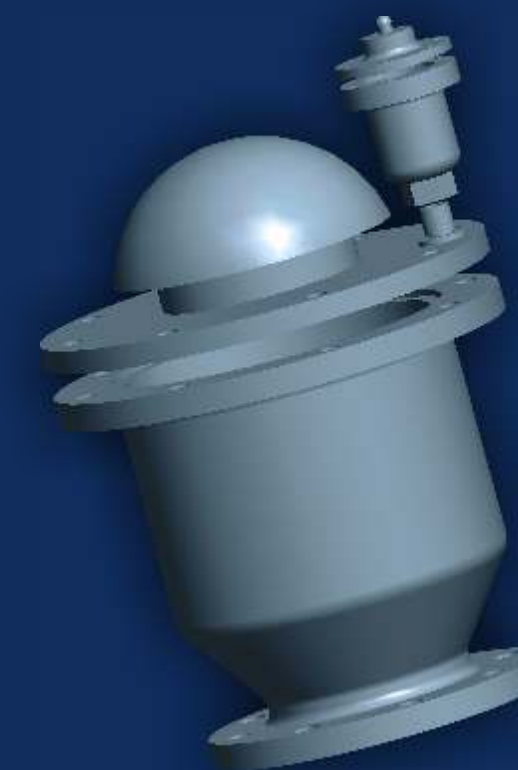
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KIRLOSKAR BROTHERS LIMITED

KIRLOSKAR AIR VALVE AS PER AWWA C512

PRECISION AND DURABILITY WITH CUSTOMIZED SOLUTIONS



KIRLOSKAR BROTHERS LIMITED



Valve Manufacturing Plant, Kondhapuri, Near Pune, India

Kirloskar Brothers Limited, with over ten decades of immense experience and unflinching customer satisfaction, has become the name to reckon with for the supplies of pumps, valves and complete pumping solutions in India and across the globe.

KBL is the first Valve manufacturing company in India accredited with ISO 9001 certificate.

The quality and performance of Kirloskar valves is facilitated by :

- One of the Asia's largest Hydraulic Research Centre
- In-house integrated foundries
- Dedicated valve manufacturing facility at Kondhapuri, near Pune, India
- Latest machines and modern automated test rigs

KBL is among the largest manufacturers of Butterfly Valves in India with current size range up to 3600 mm and capacity to manufacture up to 4500 mm. The plant has the capacity to design and develop valves with customised solutions conforming to various National and International Standards such as IS/BS/EN/AWWA etc. KBL is the first valve manufacturing company to introduce Sluice Valves in India and to have successfully carried out Flow Test on a very large size Butterfly Valve (2200 mm) in-house.

KBL offers CE marked EN 593 Butterfly valves and BS 5163 Sluice valves along with other industrial valves. It has successfully carried out proof of design test upto 2600 mm size Butterfly valves as per AWWA C-504.

KIRLOSKAR AIR VALVE AS PER AWWA C512

Widely used by Municipal and Water Supply Authorities and other users, these Valves are designed as per latest edition of AWWA C512.

It is ideally suited for Turbid, clear water and sewage water.

Principle and Application

Air valves are regularly used in water mains for following purposes:

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

Salient 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
- Tamper proof design of Air Vent
- Compact and light weight design requires less space
- Perfect guide for small orifice ball and guide ribs with minimum clearance for large orifice ball for movement without wobble result into trouble free operation

Features and Technical Specifications

Design and Testing Standard

- AWWA C512

Size Range

- 50 mm to 200 mm

Pressure Class

- PN10 / PN16

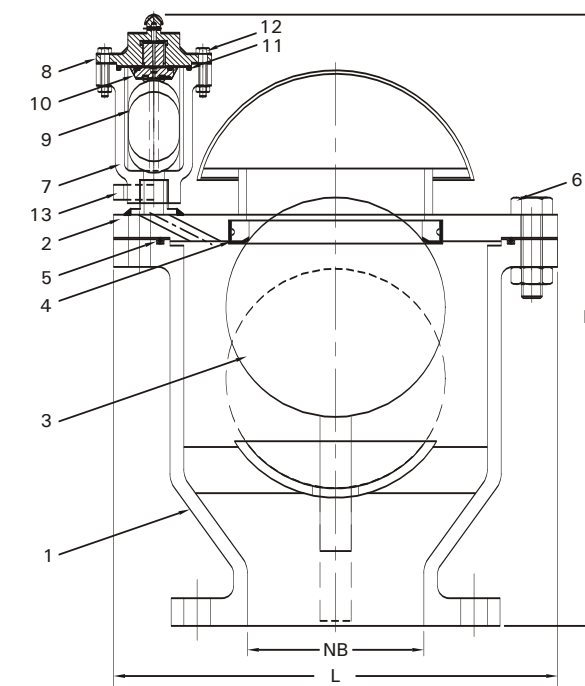
Max. Working Pressure

- 10 Kg/cm² and 16 Kg/cm²

Flange Drilling Standard

- Flanges drilled to IS / BSEN / AWWA/ ANSI / DIN or as per customer requirement

Cross Sectional Arrangement



Material of Construction

PART NAME	MATERIAL (STANDARD)
Main Valve	
1 Body	Cast Iron
2 Cover	Mild Steel
3 Float	Stainless Steel AISI 304
4 Nozzle / Orifice	MS with Natural Rubber
5 'O' ring	Natural Rubber
6 Studs and Nuts	Carbon Steel
Automatic Valve	
7 Body	Cast Iron
8 Cover	Mild Steel
9 Float	Stainless Steel AISI 304
10 Orifice	MS with Nitrile Rubber 'O' ring
11 'O' ring	Nitrile Rubber
12 Studs and Nuts	Carbon Steel
13 Lock	Mild Steel

Please contact Kirloskar Brothers Limited for other choices.

Dimensions and Weights

Valve Size	H	L Ø	Suitable For Main Size	Weight
NB (mm)	Approx. (mm)	Approx. (mm)	(mm)	Approx. (kg)
50	350	200	125 to 200	16
80	375	230	225 to 350	24
100	425	310	400 to 500	38
150	540	385	600 to 900	65
200	565	425	1000 to 1200	100

Note: These dimensions and weights are subject to change without any prior notice due to continuous improvement in design and construction

Test Pressures

Rating	Max. Working Pressure (kg/cm ²)	Test Pressure (kg/cm ²)
PN10	10	15
PN16	16	24

Precision and Durability with Customized Solutions

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