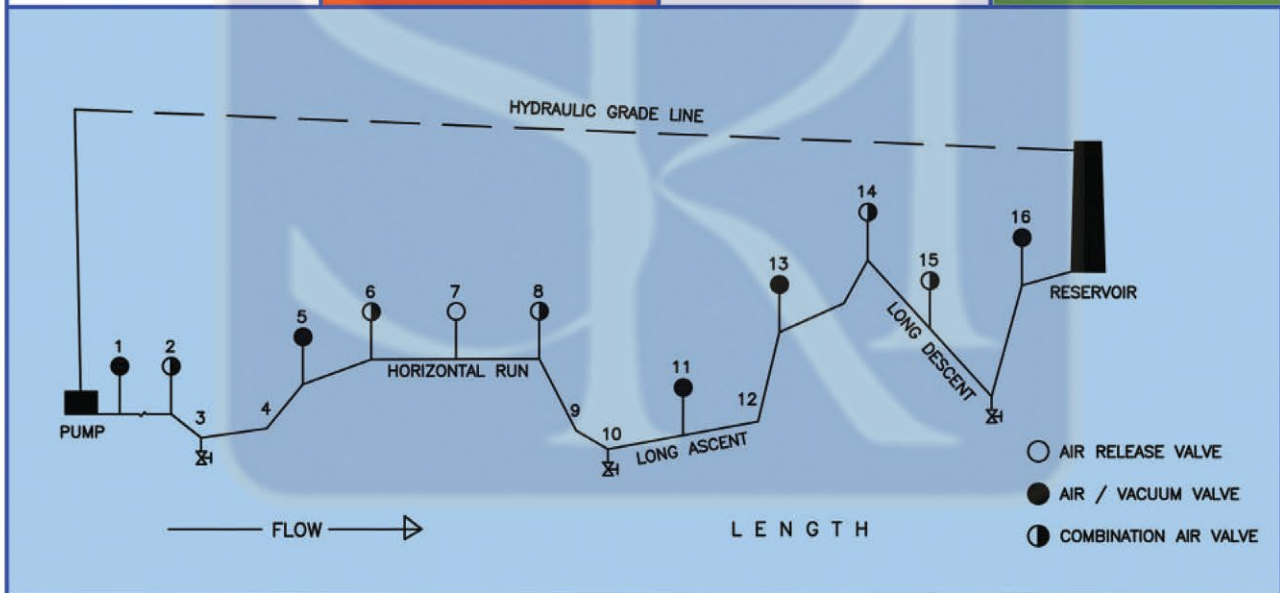
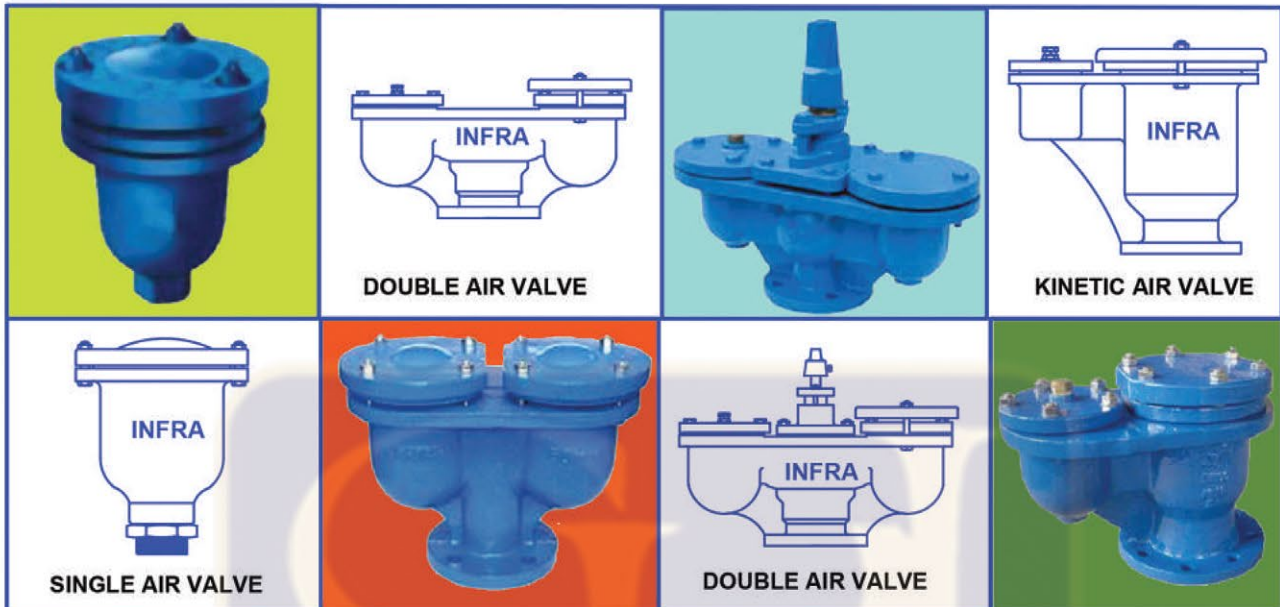


INFRA VALVE

Ductile Iron Single/Double/Kinetic Air Valve
PN-1.0, PN-1.6 & PN-2.5 Rating
Up to 300 mm Dia



Innovative Flow Control Solution



Shree Krishna Industries

Manufacturers of all types of valves & fittings

An ISO 9001/14001/45001 Company

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Ductile Iron Single/Double/Kinetic Air Valve PN-1.0, PN-1.6 & PN-2.5 Rating



CM/L 5100081780

INFRA VALVE

WRAS
APPROVED
PRODUCT

Size Range 15 mm to 300 mm Dia
Availability Single Small/Large Orifice
Double Orifice
Kinetic Tamper Proof

General

Generally these valves offer following needs to water mains. As soon as the pump starts, water starts filling the main, which push the air from mains to atmosphere through the large orifice of these valves. When the pipe is full, valve closes and remains in its position due to buoyancy force of water below the floats and thus prevent loss of water. This valve also allow the air to admit in pipe line, when the main is being emptied. Air valves also allow the air entrapped under pressure, to release to atmosphere during normal working of main through its small orifice. All these operations are automatically with the help of well balanced ball floats

Single Air Valve - Screwed / Flanged End

SMALL ORIFICE TYPE- For releasing air accumulated in main under normal working condition. It consists of ductile iron body with suitable lugs inside to provide the guide to float. Body is covered with ductile iron small orifice cover. Float is seating on st. st. or Brass air releaser, M.S. Galvanised ferrule is fixed at bottom end for mounting of valve on main.

SIZE	A	B	C	SUITABLE FOR MAINS
15	196	118	75	up to 100 mm diameter
20	205	118	75	
25	255	158	100	
40	290	158	100	

LARGE ORIFICE TYPE- To release & admit air in main when filling and emptying respectively. It consists of body of ductile iron with internal integral ribs to guide float in its operation, the cover of ductile iron which hold rubber seat, vulcanite covered float is provided to facilitate effective closure with seat.

SIZE	A	B	C	SUITABLE FOR MAINS
20	202	164	40	up to 100 mm diameter
25	202	164	75	
40	237	180	75	
50	287	180	75	125mm to 200mm

Double Air Valves

This valve is simply a combination of small and large orifice valves side by side in one unit with addition of an integral screw down valve for isolation purposes. This integral valve is very much essential to permit inspection/maintenance of the valve without shutting of the main. This valve consist of ductile iron body, small orifice & large orifice cover, stuffing box, protection cover and gland. Seat ring and nut are made from gunmetal, spindle from st. steel. Small orifice chamber is having rubber cover ball seating on st. sl./brass orifice and large orifice chamber is having vulcanite covered ball for seating at rubber seat ring. Integral isolating valve consist of rubber face seating isolating valve consist of rubber face seating isolating valve is to be operated by a cap fitted on top of the spindle.

SIZE	A	B	C	F1	F2	SUITABLE FOR MAINS
40	442	210	371	100	75	up to 100mm
50	442	210	407	100	75	125mm to 200mm
80	504	236	431	100	100	225mm to 350mm
100	634	280	501	125	125	400mm to 500mm
150	862	430	620	125	200	600mm to 900mm
200	988	506	735	140	250	1000mm to 1200mm

Kinetic Air Valves

"INFRA" brand kinetic air valves are supplied with or without isolating sluice valves, operated by mitre wheel gear. When valves are required to discharge air at the higher velocities, for ordinary double air valves, there is a risk that the ball may suddenly be caught up in the escaping air stream and valve may close prematurely and then refuse to open again until the pressure has been reduced. In this case the ball of the valve would have to be held down during filling operation. This difficulty has been overcome in an entirely rational manner by the application of "hydro-dynamic principal". Due to incorporation of this principal, premature closing of valve is totally avoided. A latest refinement has been made in design to cause the escaping air stream to flow around the ball in such a manner that the resultant pr. on the ball is in downward direction and it increases as the emergent air velocity increases. Kinetic Air Valves are manufactured under very strict quality control and every care has been taken while controlling density of H.P. float and L.P. float.

SIZE	A	B	C	F1	F2	SUITABLE FOR MAINS
40	425	324	425	90	55	up to 100mm
50	458	352	440	100	75	125mm to 200mm
80	508	373	490	115	100	225mm to 350mm
100	589	424	610	125	125	400mm to 500mm
150	754	674	695	150	200	600mm to 900mm
200	992	739	780	150	250	1000mm to 1200mm

