



DURGA VALVES PVT LTD

Howrah- 711101

TECHNICAL DATA OF KINETIC AIR VALVE

Sl. NO.	DESCRIPTION	DETAILS
1	Construction of Valve	: Kinetic air valve combined with isolating sluice valve.
2	Fluid to be Handle	: Raw water
3	Pressure Rating	: PN-1.0 Rating.
4	Design Temperature	: 45 Deg. C.
5	Kinetic Valve (Double Orifice type)	: IS:14845/2000 Fig. DK
6	Large Orifice	: Nitrile rubber seating
7	Small Orifice with Air vent	: G.M. (Screwed)
8	Isolating Sluice Valve (Non-Rising type)	: IS:14846/2000
9	Seating Faces (Sluice Valve)	: Metal to Metal (Force Fitted)
10	End Connection	: IS:1538/93 (Table-4&6), Flat Face
11	Operation (Air Valve)	: Automatically
12	Operation(Isolating Sluice Valve)	: Manually operated
13	Installation	: Vertically

MATERIAL OF CONSTRUCTION

14	Body, Cowl, Cover, Wedge, Gland & Stuffing box etc.	: C.I. to IS:210 Gr. FG-200
15	Seat ring & Wedge ring	: L.T. Bronze to IS:318/81, Gr.LTB-2
16	Stem (Sluice Valve)	: S.S. to IS:6603 Gr.12Cr.13
17	Low Pressure Seal Ring	: Moulded Nitrile Rubber
18	Orifice Plug	: L.T. Bronze to IS:318/81 Gr.LTB-2
19	High Pressure Ball	: Seasoned timber ball covered with soft rubber.
20	Low Pressure Ball	: Seasoned timber ball covered with hard vulcanite.
21	Bolts & Nuts	: Carbon Steel to IS: 1367 Cl. 4.6 & 4.0.
22	Hand wheel	: C.I. to IS:210 Gr. FG-200

Testing

Inspection

Testing Standard : IS:14845 & IS:14846
 Hydro Body : 24Kg/Sq.Cm.
 Hydro Seat : 16Kg/Sq.Cm.

Hydro Test : Witness & Test Report
 Visual : Witness & Test Report
 Material Test : Test Report

Quantity

Note :

Size	Qty.	Service / Application	
			1. Isolating valve should close with clock wise rotation of H/W. (Direction of 'Open' & 'Shut' mark cast on H/W.) 2. Valves shall be painted with one coat of Red oxide primer & Two coats of Black Japan paints conforming to type-B of IS:341. 3. Marking: Brand/Size/PN-Rating/Heat No. & Sl. No.

PREPARED BY

SHEET 1 OF 1

DVPL. DOC. No.
DVPL-KAV-IS-14845

REV
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DATE
25.08.14