

"aira" offers rubber lined Butterfly Valves for HVAC & utilities. These Valves are truly 'Fit & Forget Valve', which requires minimum maintenance. The body lines which also functions as the soft seat, comes in an integrally moulded version & offers bi-directional sealing against vacuum upto the pressure of PN 10 / PN 16

Size Range : 1½" To 48"

Actuator

Technical Specifications :

Type	Rack and Pinion Type
Actuation	Double Acting / Single Acting (Spring Return)
Mounting Std.	ISO 5211 An International Standard
Pneumatic Connections	NAMUR Standard

For more details please refer Catalogue APL/1076

Valve

Technical Specifications :

Body	Cast Iron ASTN A126 Class B Ductile Iron ASTN A536 Grade 65-45-12 Carbon Steel ASTN A216 Grade WCB Stainless Steel ASTN A351 Grade CF8 / CF8M
Disc	CF8 / CF8M / CF3M / S.G. Iron / Teflon Coated / Powder Coated Nylon Coated / Rubber Line
Seat	EPDM / Nitrile / Hayplon / Viton / Moulded or Replaceable muffler type
Shaft	AISI 410 / CF8 / CF8M / CF3M
Valve Type	Centric Disc Butterfly Valve with a single piece rubber lined body
Body Type	Short wafer (sandwiched between flanges)
Seat Type	Integrally moulded with the body
End Connection	Wafer Sandwiched (Lug Type On Request)
Pressure rating	PN 10 / PN 16 (On Request)
Oper. Temp. range	-25 °C to 130 °C (depending on MOC)
Seat Leakage	Tight shut off
Operation	Hand lever for sizes from 40 mm to 250 mm Worm gear boxes for 40 mm to 1000 mm



Accessories :

- On / OFF Indicator
- NAMUR Standard Solenoid Valve in all Standard Coil Voltage (Flame Proof Solenoid Coil - on request)
- I/P Transducer (Converter)
- Pneumatic valve positioner
- Electro-Pneumatic valve positioner
- Declutchable Manual Over - ride
- Limit Switches for On / Off Indication at Panel board
- Filter + Regulator Combination with Pressure Gauge
- Air Lock Valve

Standards :

- Design and manufacturing : API 609 category A/BS 5155 MSS
SP-67 / C-504
- Valve face to face dimensions : Short wafer as per ISO 5752 Tab 5 / API 609 Category A
- Top flange drilling : ISO 5211 Part II
- Inspection and testing : API 598 / BS 6755
- Flange standard conformity : ANSI 150, DIN PN6 / 10, JIS 5K/10K / BS 10 Tad D & E, IS 6392 PN 0.6 / 1.0

Item	Type of Test	Testing Pressure	Operating Temperature (Normal)	Operating Temperature (High)
Actuator	Pneumatic Bubble Test	180 To 150 PSIG	-20 °C to 80 °C	High Temp.On request
Valve Body	Hydraulic	225 PSIG	Max.80 °C	High Temp.On request
Seat	Hydraulic	150 PSIG	Max.80 °C	High Temp.On request

Dimensions:

(All Dimensions are in mm)

Valve Model	Valve Size MM Inch	Port	A	B	C	(Reeb) D	Weight (Approx)	PCD	Tapped
ECO-IC- 40	40 1½"	40	56	105	34	80	3	-	-
ECO-IC-50	50 2"	50	64	115	44	95	3.25	-	-
ECO-IC- 65	65 2½"	65	72	123	46	108	5	-	-
ECO-IC- 80	80 3"	80	76	129	46	124	5.25	-	-
ECO-IC-100	100 4"	100	98	150	52	150	6.5	-	-
ECO-IC-125	125 5"	125	111	161	56	182	10.6	-	-
ECO-IC-150	150 6"	150	124	178	56	205	11.5	-	-
ECO-IC-200	200 8"	200	152	198	60	257	20	-	-
ECO-IC-250	250 10"	241	221	269	68	328	36	-	-
ECO-IC-300	300 12"	286	254	291	78	372	45	-	-
ECO-IC-350	350 14"	333	265	307	78	440	60	-	-
ECO-IC-400	400 16"	382	310	368	102	495	85	-	-
ECO-IC-450	450 18"	433	328	382	114	545	112	-	-
ECO-IC-500	500 20"	476	358	409	127	592	160	635	1.1/8" UNC
ECO-IC-600	600 24"	590	444	488	154	705	250	749.3	1.1/4" UNC
ECO-IC-650	650 26"	635	463	497	165	768	-	806.45	1.1/4" UNC
ECO-IC-700	700 28"	680	495	545	165	815	-	863.6	1.1/4" UNC
ECO-IC-750	750 30"	725	567	570	190	905	-	914.4	1.1/4" UNC
ECO-IC-800	800 32"	785	595	630	190	943	-	977.9	1.1/2" UNC
ECO-IC-850	850 34"	810	615	645	203	1000	-	1028.7	1.1/2" UNC
ECO-IC-900	900 36"	885	678	702	203	1045	-	1085.85	1.1/2" UNC
ECO-IC-950	950 38"	935	705	715	216	1105	-	1149.35	1.1/2" UNC
ECO-IC-1000	1000 40"	965	725	735	216	1150	-	1200.15	1.1/2" UNC
ECO-IC-1200	1200 48"	1170	855	865	254	1385	-	1422.4	1.1/2" UNC

