

# 2-Way, Full Port, Ball Valve, 3-Piece Design With Pneumatic Rotary Actuator.

DATA SHEET  
2370 F

AVCON is producing 3-piece Ball Valve with ISO 5211 mounting pad. The valves are provided with mounting bracket, couplers for fitting Pneumatic Rotary Actuators, either Double Acting or Spring Return Type. (For Pneumatic Actuator details, Please refer to AVCON leaflet ACT-Range). Flanged end valves having Face to face dimension as per DIN 3202-1-1984; also DN/EN 558-1-1995. But for Screwed End Ball Valves, face to face dimensions as per our this leaflet. Model 3400 Pneumatic Actuators having Namur mounting interface, are available with AVCON Namur 5-way, 2-Position, Solenoid Valves type 9484E, 9384E, 9485E, 9385E.

## SPECIFICATIONS:

Size	: 15mm (1/2") to 100mm (4").
Body and End Piece	: Investment Casted Cast Steel ASTM A 216 WCB (DIN 1.0619 GS-C 25) or Stainless Steel ASTM A351 CF8 (DIN 1.4301) or CF8M (DIN1.4408) (GX6 Cr.Ni MO1810).
Ball	: Stainless Steel AISI 316. (Hcr - Hardchrome plated).
Stem and Stem nut	: Stainless Steel AISI 316.
Ball seat	: Reinforced PTFE.
Stem seals	: Reinforced PTFE.
Body gasket	: PTFE.
Antistatic device	: Stainless Steel SS 316.
Pressure-temperature	: As per BS 5351 Class 150 and rating Class 300.
Body pressure rating	: As per ANSI B 16.5 Class 150 and Class 300.
End connection	: Screwed to BSP/NPT. Flanged to ASME B16.5 Class 150 or 300 RF, Spigot weldable end to ISO 4200 and BS 4825 .
Leakage Class	: As per ANSI FCI-70-02 Teflon seating Class VI.
Characteristics	: On-Off.
Temperature	: Continuous 180°C. Intermittent 200°C.



Air supply requirement	: 4 to 8 bar (Line fluid pressure dependent).
Manual Operation (optional)	: Provision for manual operation Hand -lever type for ACT-63- D/S actuator. Manual hand gear operator for ACT-90-D/S onward.
Accessories	: Local position indicator, rotary limit switch box, air lock relay, Solenoid Valve, Valve positioner, etc.
Sales Point	: Highly reliable, long life, simple in construction and maintenance free Ball Valve.
Application	: For air, water, oil, Steam gas, corrosive chemicals, combustion equipment, power stations, Hydro electric, chemicals and Petrochemicals industries.

## ACTUATOR:

Double Acting	: "D"
Spring Return	: "S"-NC/NO

## SPECIFICATION TABLE FOR FULL PORT BALL VALVES.

Catalogue Number *	Size		Orifice Size (mm)	Flow Factor Kv	Body Test Pressure	Working Pressure	Actuator Type		Open Time (Approx.)		Air Consumption (litres)			
	Inch	mm					S	D	Secs.		S		D	
									S	D	Open	Close	Open	Close
2370 F 15X	½	15	15	10.40	40	12	ACT-63	ACT-63	0.3	0.3	0.30	-	0.2	0.3
2370 F 20X	¾	20	20	27.52	40	12	ACT-63	ACT-63	0.3	0.3	0.30	-	0.2	0.3
2370 F 25X	1	25	25	48.00	40	12	ACT-63	ACT-63	0.3	0.3	1.10	-	0.2	0.3
2370 F 40X	1 ½	40	40	103.00	40	12	ACT-90	ACT-90	0.3	0.3	1.10	-	0.2	0.3
2370 F 50X	2	50	50	206.00	40	12	ACT-145	ACT-90	0.5	0.4	2.00	-	0.5	0.8
2370 F 65X	2 ½	65	65	275.00	40	12	ACT-145	ACT-145	6.00	1.4	1.2	-	2.4	3.8
2370 F 80X	3	80	80	498.00	30	12	ACT-190	ACT-145	6.00	1.4	1.2	-	2.4	3.8
2370 F 100X	4	100	100	875.00	30	12	ACT-240	ACT-240	9.00	1.2	1.2	-	2.4	3.8

Note \* XX1 - Screwed ends XX5 - Flanged end XX6 - Spigot end