

Automation Valve

Electrical Actuated Ball Valve



Valve Type	BALL VALVE	Electric Actuator Details	
Design Std.	BS EN ISO 17292 [BS 5351] / API 6D / ASME B16.34 / [BS EN ISO 12516]	Actuator Motion [Actuation]	Rotary Motion: On - Off Type Modulating Control [Positioner] Signal Input : 4- 20mA/1 – 5V DC / 10V DC
SizeRange	15 DN to 250 DN [1/2” to 10”]		
Body	CS - ASTM A 216 Gr. WCB SS - ASTM A 351 Gr.CF8 / CF8M SS - ASTM A 351 Gr.CF3 / CF3M		
Trim	AISI 410 / 304 / 304L / 316 / 316L		
Seat	PTFE / RTFE / PEEK	Power Supply	24V DC Single Phase: 110 / 220V AC 3 Phase : 220 / 380 / 440V AC Rota
Design Features	Full Bore, 2 / 3 Piece, Blow out Proof Stem, Floating Ball, Trunnion Ball, Pneumatic Actuator.	Enclosure	IP 67 – Water & Dust Proof
Pr. Rating	ASME Class 150 / 300	Manual Overdrive	Hand Wheel with switchable declable lever
Face to Face	ASME B 16.10 / EN 558 -1	Motor protection	Thermal Protection - Class F
End Connection	Flanged : ASME B16.5, RF - CLASS 150 / 300 Screwed: BSP / BSPT / NPT Socket Weld / Tri Clamp	Custom Fit Accessories	Remote position Control: 4-20mA input/output Potentiometer: 0 -1 Kohm Feedback Current Transmitter: 4-20mA outp Additional Limit Switches - 2 Nos Torque Switches
Testing Std.	BS EN 12266 - 1 [BS 6755-1] / API 598		
Temp. Range	-20 to 260°C		
Testing Std.	Fire safe [API 607 / BS EN ISO 10497] / Anti Static Device / Extended Stem / Special Gland Packing / Jacketed provision / Special MOC		

Pneumatic Actuated Ball Valve



Valve Type	BALL VALVE	PNEUMATIC ACTUATOR DETAILS	
Design Std.	BS EN ISO 17292 [BS 5351] / API 6D / ASME B16.34 / [BS EN ISO 12516]	Actuator :	Pneumatic - Single / Double Acting Rotary
Size Range	15 DN to 250 DN [1/2" to 10"]		
Body	CS - ASTM A 216 Gr. WCB SS - ASTM A 351 Gr.CF8 / CF8M SS - ASTM A 351 Gr.CF3 / CF3M		
Trim	AISI 410 / 304 / 304L / 316 / 316L	Motion [Actuation]	Rotary Motion: On - Off Type Modulating Control [Positioner] Signal Input : 4- 20mA DC / 1 – 5V DC / 0- 10V DC
Seat	PTFE / RTFE / PEEK		
Design Features	Full Bore, 2 / 3 Piece, Blow out Proof Stem, Floating Ball, Trunnion Ball, Pneumatic Actuator		
Pr. Rating	ASME Class 150 / 300		
Face to Face	ASME B 16.10 / EN 558 -1	Custom Fit Accessories	5/2 , 3/2 - Namur Solenoid Valve with Different Voltage Coil ON-Off Position indicator with micro switch Limit Switches Electro Pneumatic Valve Positioner Pneu. Pneu. Valve Positioner I/P Convertor Air Filter Regulator Volume Booster Lock up Valve Manual overdrive
End Connection	Screwed: BSP / BSPT / NPT Socket Weld / Tri Clamp Flanged : ASME B16.5, RF - CLASS 150 / 300		
Testing Std.	BS EN 12266 - 1 [BS 6755-1] / API 598		
Optional	Fire safe [API 607 / BS EN ISO 10497] / Anti Static Device / Extended Stem / Special Gland Packing / Jacketed provision / Special MOC		

Pneumatic Actuated Butterfly Valve



Valve Type	BUTTERFLY VALVE	PNEUMATIC ACTUATOR DETAILS	
Design Std.	BS EN 593 / ISO 10631 / API 609	ACTUATOR	Pneumatic - Single / Double Acting – Quarter Turn Actuator
Size Range	40 DN to 600 DN [1 1/2” to 24”]		
Body	[CI IS 210 Gr. FG 200 / ASTM A 126 Gr. B] CS /ASTM A 216 Gr. WCB SS - ASTM A 351 Gr.CF8 / CF8M	Motion [Actuation] Options	Rotary Motion: On - Off Type Modulating Control [Positioner] Signal Input : 4- 20mA/1 – 5V DC / 0-10V DC
Disc	CI ASTM A 126 Gr. B / Ductile Iron SS - ASTM A 351 Gr.CF8 / CF8M]	Custom Fit Accessories	5/2 , 3/2 - Namur Solenoid Valve with different Voltage Coil ON-Off Position indicator with Micro Limit Switches Electro Pneumatic Valve Positioner Pneu. Pneu. Valve Positioner I/P Convertor Air Filter Regulator Volume Booster Lock up Valve Manual overdrive
Shaft	AISI 410 / 304 /316		
Seat	NITRIL / EPDM / PTFE		
Design Features	Centric Disc, Lined Body, Sure Seal, Compact, Wafer End , Top Flange - ISO 5211		
Pr. Rating	[PN 10 / PN 16] [ASME - Class 150]		
Face to Face	ISO 5752 / API 609		
End Connection	S Sand witted Between Flanges: [BS 10 Table D / E] [DIN 2542 - PN 10 / DIN 2543 - PN 16] [ASME B16.5, - CLASS 150]		
Testing Std.	BS EN 12266 - 1 / API 598		
Optional	Double Flange / Lug Type / Off set Disc / Replaceable Seat / Damper BFV / Higher sizes		

Electrical Actuated Butterfly Valve



Valve Type	BUTTERFLY VALVE with Pneumatic Actuator	ELECTRICAL ACTUATOR DETAILS	
Design Std.	BS EN 593 / ISO 10631 / API 609	ACTUATOR	Rotary Motion: On - Off Type Modulating Control [Positioner] Signal Input : 4~ 20mA/1 – 5V DC / 0- 10V DC
Size Range	40 DN to 600 DN [1 1/2” to 24”]		
Body	[CI IS 210 Gr. FG 200 / ASTM A 126 Gr. B] CS /ASTM A 216 Gr. WCB SS - ASTM A 351 Gr.CF8 / CF8M	Motion [Actuation]	24V DC Single Phase: 110 / 220V AC 3 Phase : 220 / 380 / 440V AC
Disc	CI ASTM A 126 Gr. B / Ductile Iron / SS - ASTM A 351 Gr.CF8 / CF8M]	Enclosure	IP 67 – Water & Dust Proof
Shaft	AISI 410 / 304 /316	Manual Overdrive	Hand Wheel with switchable declutch able lever
Seat	NITRIL / EPDM / PTFE	Motor protection	Thermal Protection - Class F
Design Features	Centric Disc, Lined Body, Sure Seal, Compact, Wafer End , Top Flange - ISO 5211	Custom Fit Accessories	Remote position Control: 4- 20mA input/output Potentiometer: 0 -1 Kohm Feedback Current Transmitter: 4-20mA output Limit Switches - 2 Nos Torque Switches
Pr. Rating	[PN 10 / PN 16] [ASME - Class 150]		
Face to Face	ISO 5752 / API 609		
End Connection	Sand witted Between Flanges: [BS 10 Table D / E] [DIN 2542 - PN 10 / DIN 2543 - PN 16] [ASME B16.5, - CLASS 150]		
Testing Std.	BS EN 12266 - 1 / API 598		

Pneumatic Cylinder Piston Actuated Gate Valve



Design Std.	BS EN ISO 10434 [BS 1414] / API 600 / API 602 / API 603 / ASME B16.34	Actuator	Pneumatic - Single / Double Acting Cylinder Operated
Size Range	40 DN to 400 DN [1 1/2" to 16"]	Motion [Actuation]	Linear Motion: On - Off Type
Body	CS - ASTM A 216 Gr. WCB SS - ASTM A 351 Gr.CF8 / CF8M		
Trim	AISI 410 / 304 / 316	Custom Fit Accessories	3/2, 5/2 Solenoid Valve with different Voltage Coil, Air Filter Regulator Volume Booster Lock up Valve Manual overdrive
Seat / Wedge	13% Cr. Steel / AISI 410 / 304 / 316		
Design Features	Bolted Bonnet & YT, Pneumatic Cylinder Operated		
Pr. Rating	ASME - Class 150 / 300 / 600		
Face to Face	EN 558 -1 [ASME B 16.10] / API 6D		
End Connection	Flanged : ASME B16.5 - CLASS 150 / 300 / 600 Flanged : ASME B16.25		
Testing Std.	BS EN 12266 - 1 [BS 6755-1] / API 598		

Pneumatic Diaphragm Operated 2/3 Way Globe Control Valve



	PNEUMATIC DIAPHRAGM OPERATED		
Design Std.	ASME 16.34	Actuator	Single Acting - Diaphragm Actuator Equipped with Multi Spring Operated. Compact & Great output force
Size Range	25 DN to 250 DN [1" to 10"]		
Body/ Bonnet / Bottom Piece	CS -ASTM A 216 Gr. WCB SS - ASTM A 351 Gr.CF8 / CF8M	Motion [Actuation]	Linear Motion : Direct / Reverse action - On - Off Type Modulating Control [Positioner] Signal Input : 4- 20mA/1 – 5V DC / 0-10V DC
Trim	AISI 410 / 304 / 316		
Packing	V - Teflon / Graphite		
Design Features	Bolted Bonnet & Extended with Fins Type, Cage Guided, Pr. Balanced, Contoured Plug / Single Seated - 2way / Double Seated - 3 Way	Custom Fit Accessories	3/2 - Solenoid Valve with Different Voltage Coil Electro - Pneumatic Rotary Valve Positioner Pneu. - Pneumatic Rotary Valve Positioner Air Filter Regulator Volume Booster Lock up Valve Manual overdrive
Pr. Rating	[ASME - Class 150 / 300]		
Face to Face	[ASME B 16.10] EN 558 -1		
End Connection	[ASME B16.5, RF - CLASS 150 / 300]		
Testing Std.	ASME B16.104 / FCI 70-2		
Seat Leakage	ASME B16.104 CL - IV [Metal to Metal Seating] ASME B16.104 CL - VI [Soft Seat]		
Valve Optional	2 Way / 3Way - Globe Control Valve - Diaphragm Operated 2 Way / 3Way - Globe Control Valve - Pneumatic Cylinder Operated 2 Way - Diaphragm Control Valve - Diaphragm Operated		
3 Way CV Application	Can be divided into two types by function : Mixing Type : Mixing Two Flow into one Diverting Type : Diverting one flow into two		

Electrical Actuator Operated 2/3 Way Globe Control Valve



Valve Type	2 / 3 Way GLOBE CONTROL VALVE	ELECTRICAL ACTUATOR OPERATED	
Design Std.	IS 10189 - Part 1	Actuator Motion [Actuation]	Linear Motion: On - Off Type Modulating Control [Positioner] Input/output: 4-20mA/ 0- 10V DC
Size Range	25 DN to 250 DN [1" to 10"]		
Body/ Bonnet / Bottom Piece	[CS -ASTM A 216 Gr. WCB] [SS - ASTM A 351 Gr.CF8 / CF8M]	Power Supply	Single Phase: 110 / 220V AC 24V DC 3 Phase : 220 / 380 / 440V AC
Trim	AISI 410 / 304 / 316	Enclosure	IP 67 – Water & Dust Proof
Packing	V - Teflon / Graphite		
Design Features	Bolted Bonnet & Extended with Fins Type, Cage Guided, Pr. Balanced, Contoured Plug / Single Seated - 2way / Double Seated - 3 Way	Manual Overdrive	Hand Wheel with switchable declutch able lever
Pr. Rating	[ASME - Class 150 / 300]	Position Indicator	Continues position indicator Provided
		Motor protection	Thermal Protection - Class F
Face to Face	EN 558 -1 [ASME B 16.10]	Custom Fit	Remote position
End Connection	[ASME B16.5, RF - CLASS 150 / 300]	Accessories	Control: 4-20mA input/output
Testing Std.	ASME B16.104 / FCI 70-2		Potentiometer: 0 -1 Kohm Feedback
Seat Leakage	ASME B16.104 CL - IV [for Metal to Metal Seating] ASME B16.104 CL - VI [Soft Seat]		Current Transmitter: 4-20mA output
Valve Optional	2 Way - Globe Control Electric Actuated 3 Way - Globe Control Electric Actuated		Additional Limit Switches - 2 Nos
3 Way CV Application	Can be divided into two types by function : Mixing Type: Mixing Two Flow into one Diverting Type: Diverting one flow into two		

Angle Seat Valve [Y – Type Control Valve



VALVE SPECIFICATIONS	
Size Range	15 DN to 50 DN [1/2" to 2"]
Body	ASTM A 351 Gr. CF8 / CF8M
Trim	AISI 304 / 316
Seat	PTFE / RTFE
Design Features	Piston/Direct –Reverse action, self adjusting, spring loading, Teflon packing. On Off Type / NO, NC / Single Acting & Double Acting / Any Position, Soft Seated.
Pr. Rating	ASME Class 300
Leakage	ASME B16.104 - Class VI - Soft Seat
End Connection	SCREWED BSP / BSPT - BS 21 NPT : ASME B1.20.1
	SOCKET WELD ASME B16.11 TRI CLAMP: ISO 2852
	FLANGED ASME B16.5 - Class 150
Operating Pr.	0 - 16 Bar
Operating Temp	-10 to 200°C
Application	Water, Air, Oil, Steam, Liquid, Natural Gas, Vacuum , Slight Corrosive Gas & Liquid