



Series 79P (Aluminum)



**Series 79P (Glass-filled Polyamide)
with solenoid valve**

Pneumatic Actuators

Specifications

Series 79 P: Type – Double Piston, Double Rack and Pinion

Bodies – Aluminum, Glass-filled Polyamide, and 316 ss

Torque – 58 to 44,611 in-lbs

Models – Air-to-Air

Spring Return (Fail Open)

Spring Return (Fail Closed)

Air Supply – 60 psi – 120 psi

Air Connections – 1/4" NPT

Mounting Dim. – ISO and NAMUR



Series 79P (316 Stainless Steel)

Standard Features

- Standard actuator bodies glass-filled polyamide (highly corrosion resistant)
- Double piston, double rack and pinion design (polyamide)
- ISO mounting pattern with female star outdrive (for ease of valve mounting)
- NAMUR mounting pattern (for accessory mounting solenoids, limit switches, positioners, etc.)
- Recommended air supply 80 psi (normal) to 120 psi (maximum) filtered air
- Concentric spring sets (spring return models only) for consistent output torque
- Available in air-to-air (double acting) and air-to-spring (spring return failsafe) models
- Position Indication through visible indicator knob and actuator shaft flats
- Actuator shaft in glass filled polyamide with SS insert (Model AP79P), 303 SS (Models B thru D79P) and steel covered by cataphoresis (Models E thru M79P)

Standard Features

- Manual override
For A-A – Insert wrench onto flats of stem and rotate
For A-S – Declutchable gear-operator is required

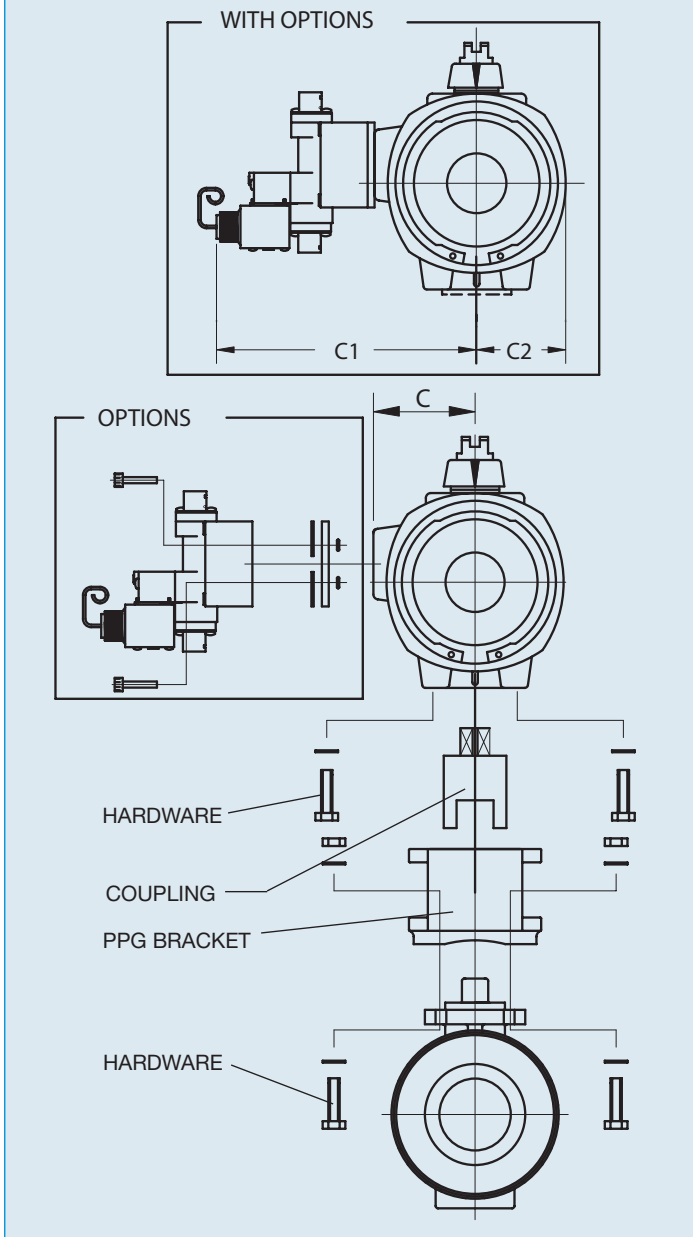
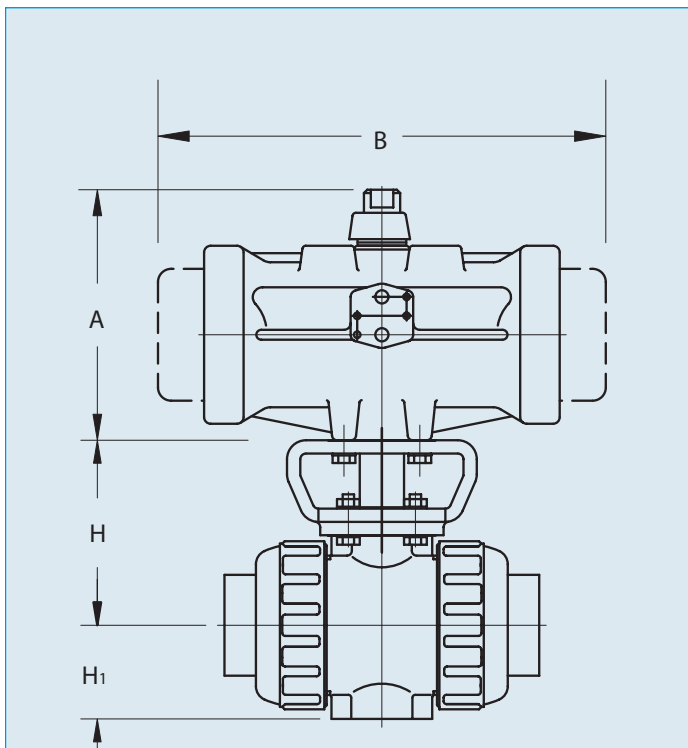
Options

- 316 SS bodies (Models BS79P thru DS79P)
- Aluminum bodies with Rilsan and cataphoresis coating (Models A79P thru D79P)
- Flush mount NAMUR style solenoids in various Type ratings and voltages with mufflers, speed controls, and push button override standard.
- NAMUR double limit switches in a variety of Type ratings (Type 4 and 7 standard) and sensor options (2-mechanical SPDT switches standard)
- Positioners in either 3-15 psi or 4-20mA for modulating service requiring no solenoid (optional limit switch packages and 4-20mA output signal available)
- Bus systems

Pneumatically Actuated Ball Valves



Type 79P on Type 21 Ball Valve



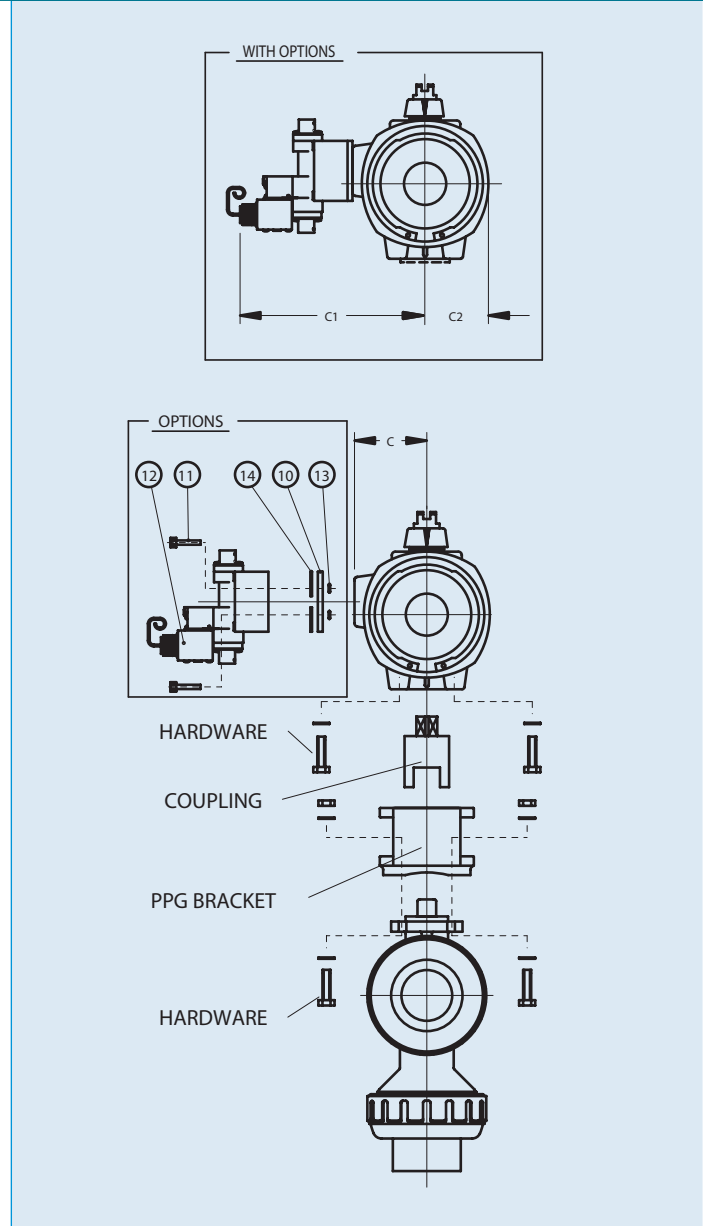
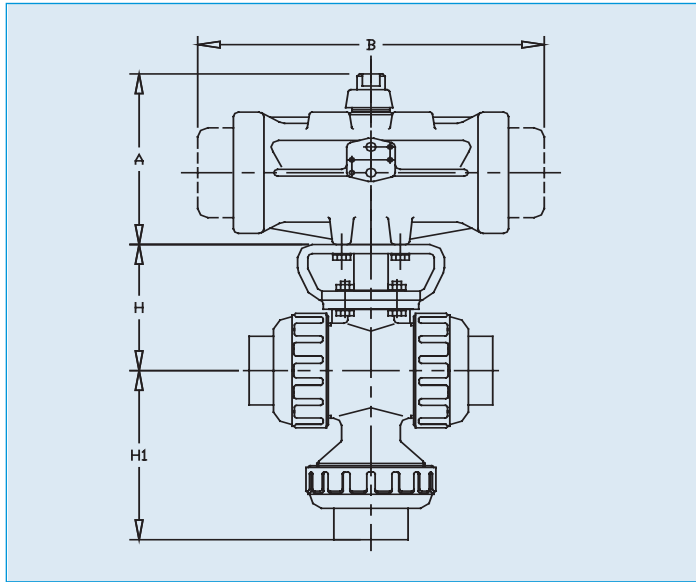
Dimensions (Sizes 1/2" - 4")

NOMINAL SIZE		Model No. Air-Air	Model No. Air-Spring	H	H ₁	A		B		C		C ₁		C ₂	
						A-A	A-S	A-A	A-S	A-A	A-S	A-A	A-S	A-A	A-S
1/2	15	AP79PN	AP79PSN	2.76	1.14	3.34	3.34	4.22	5.55	1.47	1.47	5.41	5.41	1.21	1.21
3/4	20	AP79PN	AP79PSN	3.01	1.38	3.34	3.34	4.22	5.55	1.47	1.47	5.41	5.41	1.21	1.21
1	25	AP79PN	AP79PSN	3.29	1.54	3.34	3.34	4.22	5.55	1.47	1.47	5.41	5.41	1.21	1.21
1 1/4	32	AP79PN	BP79PSN	3.64	1.85	3.34	3.34	4.22	5.55	1.47	1.47	5.41	5.41	1.21	1.21
1 1/2	40	AP79PN	BP79PSN	3.98	2.17	3.34	4.40	4.22	5.86	1.47	1.73	5.41	5.41	1.21	1.41
2	50	AP79PN	CP79PSN	4.43	2.60	3.34	5.00	4.22	7.64	1.47	1.97	5.41	5.41	1.21	1.85
2 1/2	65	CP79PN	CP79PSN	5.12	2.83	5.00	5.00	7.00	8.74	1.97	1.97	5.89	5.89	1.85	1.85
3	80	CP79PN	DP79PSN	5.47	3.35	5.00	6.49	7.00	11.49	1.97	2.56	5.89	5.89	1.85	2.36
4	100	DP79PN	DP79PSN	6.97	4.33	6.49	6.49	9.21	11.49	2.56	2.56	6.48	6.48	2.36	2.36

Pneumatically Actuated Type 23



Series 79P on Multiport Valve



Dimensions (Sizes 1/2" - 4")

NOMINAL SIZE		Model No. Air-Air	Model No. Air-Spring	H	H1	A		B		C		C1		C2	
						A-A	A-S	A-A	A-S	A-A	A-S	A-A	A-S	A-A	A-S
INCHES	mm														
1/2	15	AP79PN	AP79PSN	2.76	3.08	3.34	3.34	4.22	5.55	1.47	1.47	5.41	5.41	1.21	1.21
3/4	20	AP79PN	AP79PSN	3.01	3.56	3.34	3.34	4.22	5.55	1.47	1.47	5.41	5.41	1.21	1.21
1	25	AP79PN	AP79PSN	3.29	4.32	3.34	3.34	4.22	5.55	1.47	1.47	5.41	5.41	1.21	1.21
1 1/2	40	AP79PN	BP79PSN	3.98	5.71	3.34	4.40	4.22	5.86	1.47	1.73	5.41	5.66	1.21	1.41
2	50	AP79PN	CP79PSN	4.43	6.66	3.34	5.00	4.22	7.64	1.47	1.97	5.41	5.89	1.21	1.85
3	80	CP79PN	DP79PSN	5.47	9.59	5.00	6.49	7.00	11.49	1.97	2.56	5.89	6.48	1.85	2.36
4	100	DP79PN	DP79PSN	6.97	11.58	6.49	6.49	9.21	11.49	2.56	2.56	6.48	6.48	2.36	2.36

Double-L port ball configuration supplied as a standard for 90 degree rotation

Authorized Distributor:

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