



GFPP PMS4 Series Spring Return Pneumatic Actuators

FOR 1/2" TO 4" BALL VALVES/
UP TO 4" BUTTERFLY VALVES

KEY FEATURES

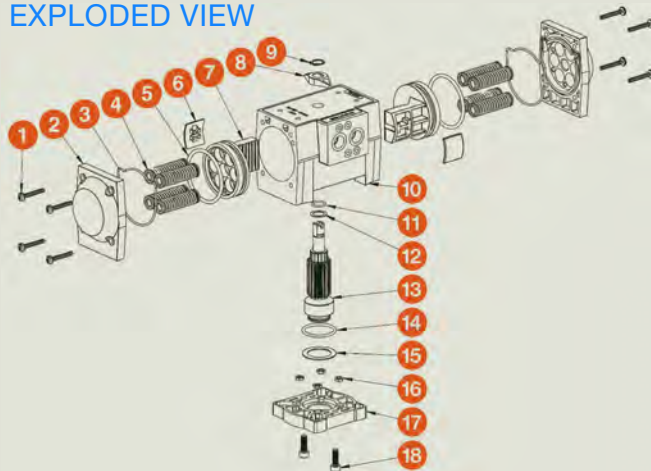
- Ideal for Corrosive Atmosphere and Environments
- Corrosion-Resistant GFPP Housing
- Anodized Aluminum Two-Piston Rack and Stainless Steel Pinion
- Position Indicator
- Permanent Lubrication
- Lightweight – Easy for Installation
- Namur-Style Solenoid Mounting
- ISO 5211 Mounting Base
- Stainless Steel Fasteners
- Alternative Operating Media for 40 PSI to 120 PSI
- All Units are Marked for Traceability
- 100% Factory Tested

OPTIONS

- Double Acting Air-to-Open and Close
- Solenoid Valves with Optional Voltages
- Auxiliary Limit Switch
- Cycle Speed Controls
- Environments

TECHNICAL INFORMATION

EXPLODED VIEW



SPECIFICATIONS

HOUSING	GFPP per ASTM D4101 Cell Class 85580
OUTPUT SHAFT	03 Stainless Steel per ASTM A314
SEALS	Nitrile
MINIMUM AIR PRESSURE	80 PSI
MAXIMUM AIR PRESSURE	120 PSI
CYCLE TIME	Half Second, Typical
AIR PORT CONNECTIONS	1/4" NPT
NAMUR MOUNTING	VDI/VE 3845
OPERATING TEMPERATURE RANGE	-4°F to 176°F

GFPP PMS4 Series Pneumatic Actuators

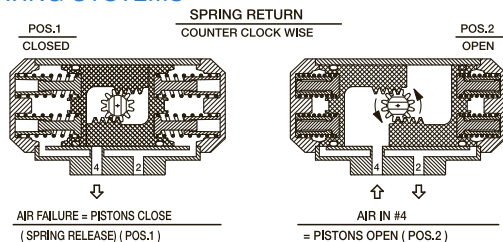
FOR BALL AND BUTTERFLY VALVES UP TO 4"

TECHNICAL INFORMATION, CONTINUED

DIMENSIONS

MODEL	A in/mm	B in/mm	E in/mm	H in/mm	J in/mm	K in/mm	L in/mm	FLANGE STANDARD (dim M)	WEIGHT (lbs)
PMS410	2.76/70	3.58/91	0.47/12	0.87/22	2.64/67	0.43/11	4.69/119	F04	1.33
PMS415	3.54/90	4.37/111	0.47/12	1.30/33	3.39/86	0.55/14	6.30/160	F05	2.7
PMS419	4.39/112	5.22/133	0.47/12	1.30/33	3.98/101	0.67/17	6.89/175	F07	4.4
PMS420	4.39/112	5.22/133	0.47/12	1.30/33	3.98/101	0.67/17	6.89/175	F07	4.4

ACTUATOR OPERATING SYSTEMS

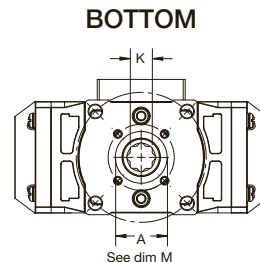
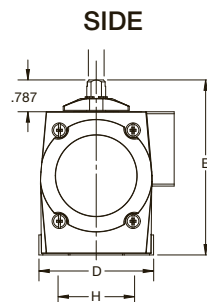
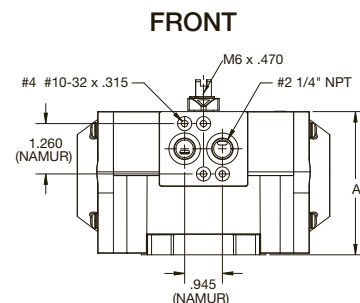
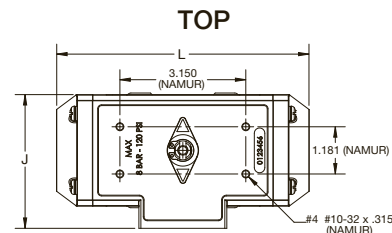


ACTUATOR SPECIFICATIONS

	PMS410	PMS415	PMS419	PMS420
Torque Output (in./lb.) @ 80psi	81	316	316	270
Spring Stroke (Start/End)	66/44	150/107	245/184	307/230
Enclosure Material				
Output Shaft				
Air Port Connections				
Air Consumption (cu. in.)	8	10.8	17.5	17.5
Air Transfer				
Stroke Time (seconds)				
Cycle Time				
Minimum Air Pressure				
Maximum Air Pressure				
Operation				
Weight (lb/kg)	1.33/.64	2.7/1.22	4.40/2.0	4.40/2.0

VALVE SELECTION CHART

SIZE* in/DN	TB SERIES BALL VALVES	TW/LA SERIES BALL VALVES	BY SERIES BUTTERFLY VALVE
1/2/15	PMS415	PMS415	N/A
3/4/20	PMS415	PMS415	N/A
1/25	PMS415	PMS415	N/A
1 1/4/32	PMS415	PMS419	N/A
1 1/2/40	PMS415	PMS419	N/A
2/50	PMS415	PMS419	PMS420
2 1/2-3/65-80	PMS419	N/A	N/A
3/80	N/A	PMS420	PMS420
4/100	N/A	N/A	N/A
4-6/100-150	PMS419	PMS420	N/A



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