



GFPP PMD4 Series Double Acting Pneumatic Actuators

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

KEY FEATURES

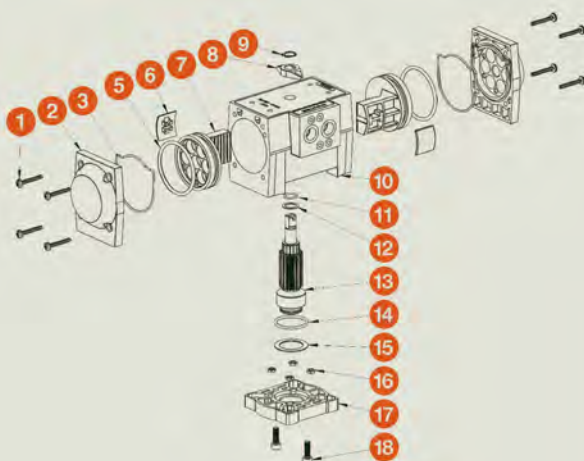
- Ideal for Corrosive Atmosphere and Environments
- Corrosion-Resistant GFPP Housing
- Anodized Aluminum Two-Piston Rack and Stainless Steel Pinion
- Manual Override
- Position Indicator
- Permanent Lubrication
- Lightweight – Easy for Installation
- Namur-Style Solenoid Mounting
- ISO 5211 Mounting 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	-4°F to 176°F
OPERATING TEMPERATURE RANGE	316 SS

GFPP PMD4 Series Pneumatic Actuators

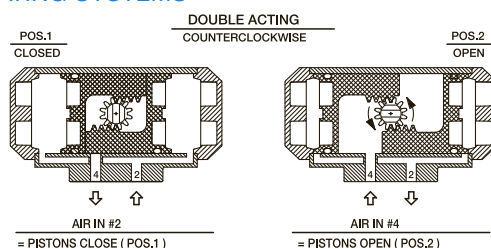
FOR BALL AND BUTTERFLY VALVES UP TO 4"

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)
PMD410	2.76/70	3.58/91	0.47/12	0.87/22	2.64/67	0.43/11	4.69/119	F04	1.33
PMD415	3.54/90	4.37/111	0.47/12	1.30/33	3.39/86	0.55/14	6.30/160	F05	2.7
PMD419	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

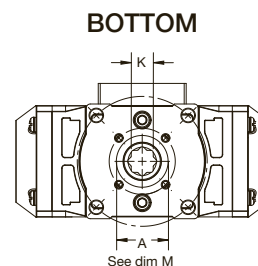
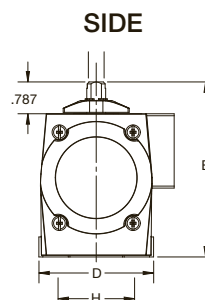
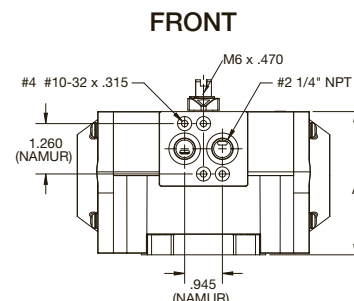
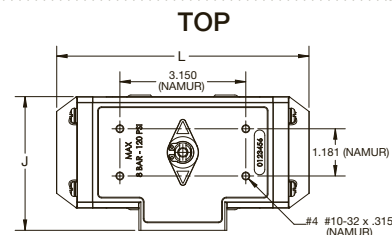


ACTUATOR SPECIFICATIONS

	PMD410	PMD415	PMD419
Torque Output (in./lb.) @ 80psi	125	275	500
Spring Stroke (Start/End)	NA	NA	NA
Enclosure Material	Glass Filled Polypropylene		
Output Shaft	303 Stainless Steel		
Air Port Connections	1/4" NPT		
Air Consumption (cu. in.)	13.5	22	40.6
Air Transfer	Internal		
Stroke Time (seconds)	0.5		
Cycle Time	1/2 second		
Minimum Air Pressure	80psi		
Maximum Air Pressure	120psi		
Operation	Rack and Pinion		
Weight (lb/kg)	1.15/.52	2.25/1.02	3.55/1.61

VALVE SELECTION CHART

SIZE* in/DN	TB SERIES BALL VALVES	TW/LA SERIES BALL VALVES	BY SERIES BUTTERFLY VALVE
1/2/15	PMD410	PMD410	N/A
3/4/20	PMD410	PMD410	N/A
1/25	PMD410	PMD410	N/A
1 1/4/32	PMD415	PMD415	N/A
1 1/2/40	PMD415	PMD415	N/A
2/50	PMD415	PMD415	PMD419
2 1/2-3/65-80	PMD419	N/A	N/A
3/80	N/A	PMD419	PMD419
4/100	N/A	N/A	PMD419
4-6/100-150	PMD419	PMD419	N/A



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