



PMD Series Double Acting Pneumatic Actuators

FOR BALL VALVES UP TO 4"

KEY FEATURES

- Corrosion-Resistant Thermoplastic Housing
- Permanently Lubricated Gear Train
- Manual Override
- Two-Piston Rack and Pinion Design
- Namur-Style Mounting
- Position Indicator
- Lightweight
- ISO 5211 Mounting Base

OPTIONS

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

TECHNICAL INFORMATION

EXPLODED VIEW



SPECIFICATIONS

HOUSING	Polyamide
OUTPUT SHAFT	Stainless Steel
MINIMUM AIR PRESSURE	80 PSI
MAXIMUM AIR PRESSURE	120 PSI
SEALS	Nitrile
CYCLE TIME	Half Second, Typical
AIR PORT CONNECTIONS	1/4" NPT

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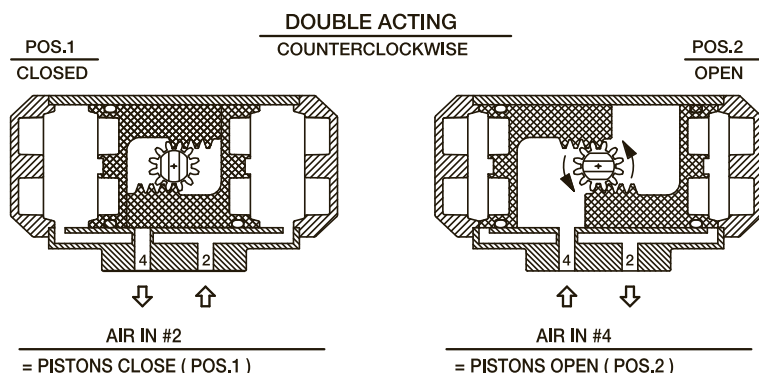
TECHNICAL INFORMATION, CONTINUED

DIMENSIONS

MODEL	øA in/mm	B in/mm	C in/mm	L in/mm	P in/mm	R in/mm
PMD10	.43/11 ISO F04	10-32 x .32 UNF-ISO F04	ø1.65/42 ISO F04	4.69/119	3.58/91	2.64/67

Dimensions are subject to change without notice – consult factory for installation information

ACTUATOR OPERATING SYSTEMS



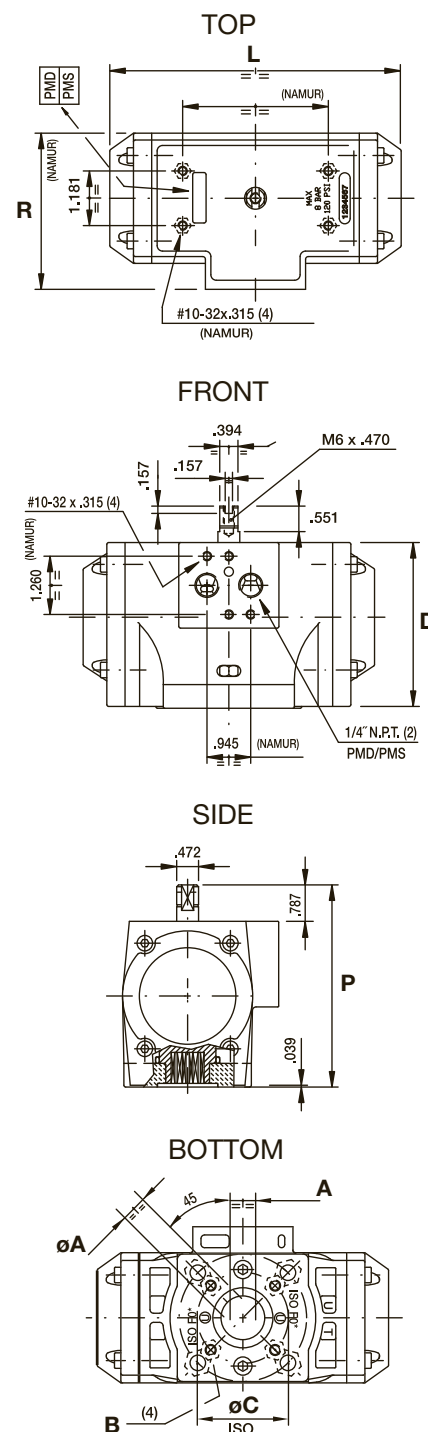
ACTUATOR SPECIFICATIONS

MODEL	PMD10
Torque Output (in-lbs) @ 80 PSI	125
Enclosure Material	Polyamide
Output Shaft	Stainless Steel
Air Port Connections	1/4" NPT
Air Consumption (cu. in.)	13.5
Air Transfer	Internal
Stroke Time (seconds)	.5
Cycle Time	1/2 Second
Minimum Air Pressure	80 PSI
Maximum Air Pressure	120 PSI
Operation	Rack and Pinion
Weight (lbs/kg)	1.3/.6

VALVE SELECTION CHART

SIZE* in/DN	TRUE UNION BALL VALVE	THREE-WAY BALL VALVE
1/4 – 4/8 – 100	PMD10	PMD10

* Actuator selection based on clean water @ 70°F



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