



Pneumatic actuators



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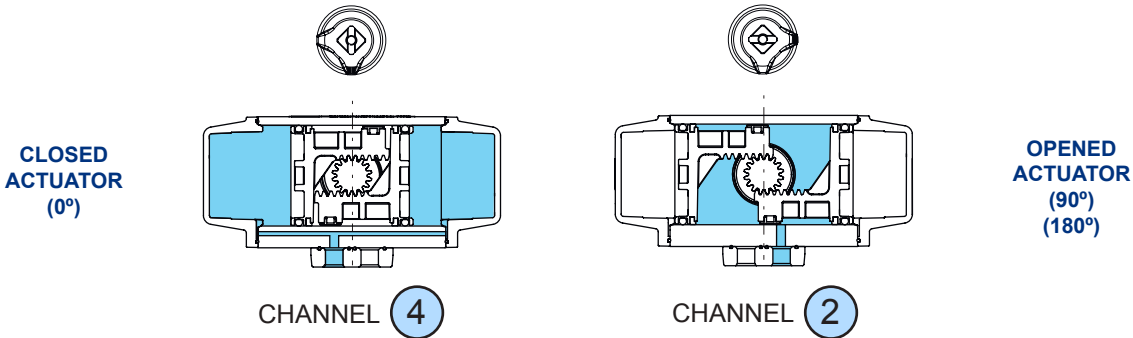


ISO-TS 29001 / API Q1

PRISMA offers a wide range of pneumatic actuators to pilot ball, butterfly and plug valves which can incorporate any type of control and regulation elements: solenoid valves, limit switch boxes, positioners, travel stops, declutchable gearboxes, handwheels, fieldbus, etc.

All actuators can be mouted onto any kind of valve, due to the wide range of mouting kits that Prisma develop and produce.

Prisma pneumatic actuators are available in double acting and spring return, covering a torque range up to 5000Nm at 6 bar. Industrial applications: Chemical, Nuclear, Electronics, Automotive, Food and Beverage, Pharmaceutical; and other sectors such as Iron and Steel, Power Plants, Water Treatment, Oil & Gas, Off-Shore plants, etc.



ALUMINIUM PNEUMATIC ACTUATORS

Rotation angle: 0°-90° o 0-180°
(-2° + 5° regulation)

External stroke adjustments to regulate opening and closing of the valve (except PAW).

Torques: up to 5000 Nm at 6 bar

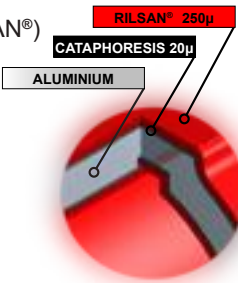
Pressure: up to 8 bar

Normal working temperature: -32°C to 90°C

Double corrosion resistance:

Internally and externally coated:

CATAPHORESIS + Polyamide (RILSAN®)



Resistance to Saline Smog Room: B-117-73 > 1000h

Manufactured with materials resistant to oxidation.

Directives:

ISO-5211, VDE-3845, NAMUR, PED 97-23-EC.

ATEX EXII2GDcIP67 T6 certification.

IEC 61508: SIL Certificate.

PA RANGE

P RANGE



TORQUES (Nm)

DOUBLE ACTING		SPRING RETURN					
MODELS	6 bar	MODELS	Springs number	Spring torques		6 bar	
				Initial	End	Initial	End
PAW	17	PAWS	6+6	10	6,7	10,3	7
PA00	28,5	PA00S	6+6	18,8	12,7	15,9	9,7
PA05	49,7	PA05S	6+6	31,4	20,9	28,8	18,3
PA10	71	PA10S	6+6	45,6	30,8	40,2	25,4
PA15	116,6	PA15S	6+6	71,5	49	67,5	45
PA20	165,5	PA20S	6+6	104,7	65,8	99,7	60,8
PA25	290	PA25S	6+6	181,8	119,4	170,6	108,2
PA30	469,2	PA30S	6+6	290,3	195,7	273,5	178,9
P40	1180	P40S	4+4	766,9	491,6	688,3	413
P50	2067	P50S	4+4	1206	723,6	1344	861,4
PA60	3458	PA60S	6+6	2075	1383	2074	1383
PA70	5043	PA70S	6+6	3539	1769	3273	1504



5.000Nm 17Nm

POLYAMIDE PNEUMATIC ACTUATORS

Rotation angle: 0°-90°

Torques: up to 165 Nm at 6 bar

Pressure: up to 8 bar

Normal working temperature: -32°C to 90°C

Light weight and highly resistant to corrosion:
Manufactured in Polyamide + Glass Fiber

All shaft and inserts in Stainless Steel:

High resistance to corrosion and wear guaranteed.



Directives:

ISO-5211, VDE-3845, NAMUR, PED 97-23-EC.

ATEX EXII2GDcIP67 T6 certification.

IEC 61508: SIL Certificate.

PP RANGE



TORQUES (Nm)

DOUBLE ACTING		SPRING RETURN					
MODELS	6 bar	MODELS	Springs number	Spring torques		6 bar	
				Initial	End	Initial	End
PPW	17	PPWS	6+6	10	6,7	10,3	7
PP00	28,5	PP00S	6+6	18,8	12,7	15,9	9,7
PP10	71	PP10S	6+6	45,6	30,8	40,2	25,4
PP20	165,5	PP20S	6+6	104,7	65,8	99,7	60,8



17Nm 165Nm

STAINLESS STEEL PNEUMATIC ACTUATORS

Rotation angle: 0°-90° (-2° + 5° regulation)

External stroke adjustment (except PI00) to regulate opening and closing of the valve.

PI RANGE



TORQUES (Nm)

DOUBLE ACTING		SPRING RETURN					
MODELS	6 bar	MODELS	Springs number	Spring torques		6 bar	
				Initial	End	Initial	End
PI00	25	PI00S	4+4	15,9	11,3	13,7	9,1
PI10	71	PI10S	4+4	46,6	32,3	38,7	24,4
PI20	165,5	PI20S	3+3	104,7	65,8	99,7	60,8
PI30	469,2	PI30S	4+4	273,7	179,9	289,3	195,5
PI40	1180	PI40S	4+4	766,9	491,6	688,3	413

Torques: up to 1.180Nm at 6 bar

Pressure: up to 8 bar (12,5 bar on demand)

Normal working temperature: -32°C at 90°C
(-48°C to + 150°C on demand)

Suitable for highly corrosive environments:

Made in CF8M Stainless Steel (AISI-316) + Electropolished

Directives:

ISO-5211, VDE-3845, NAMUR, PED 97-23-EC.

ATEX EXII2GDcIP67 T6 certification.

IEC 61508: SIL Certificate.



25Nm 1180Nm