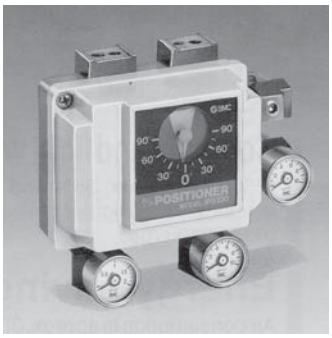
Pneumatic - Pneumatic Positioner: Rotary Type IP5100

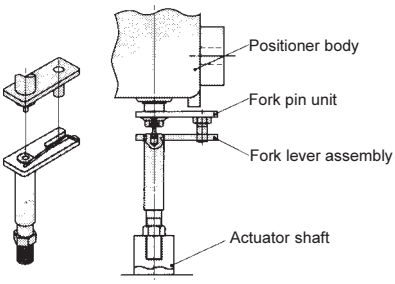


- High performance positioner
- Resistant to hostile environments
- Exceptional shock and vibration performance

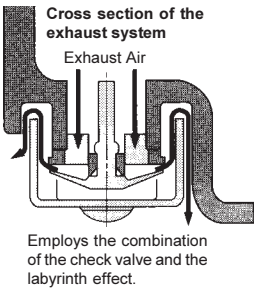
Energy Saving:
- Air consumption is approximately 30% less than existing types

Complete Optional Specifications:
- Opening indicator
- Built-in equalizing valve (OUT1-OUT2)

Easy Maintenance:
Maintenance and parts replacement made easy by modular construction

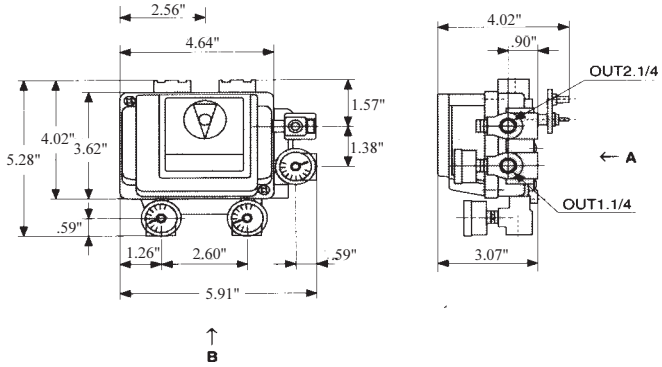


Standardization of Fork Lever Joint:
- Linkage design tolerates a slight misalignment of shafts



Approved by JISF8007IP55:
A centralized exhaust system enhances both dust-proof and waterproof qualities. Epoxy-type coating inside the body prevents corrosion due to moisture.

Overall Dimensions:



Pneumatic - Pneumatic Positioner: Rotary Type IP5100

IP5100	
Rotary type cam feedback	
Single or double action	
Supply air pressure	20-101 PSI
Input pressure signal	3-15 PSI
Stroke	60° ~ 100°
Sensitivity	within 0.5% full scale
Linearity	within +/-2% full scale
Hysteresis	within 1% full scale
Repeatability	within +/-0.5% full scale
Air consumption	0.18 CFM* or less (SUP=20 PSI), 0.39 CFM* or less (SUP=58 PSI)**
Output flow	2.83 CFM* or less (SUP=20 PSI), 7.06 CFM* or less (SUP=58 PSI)**
Ambient and air temperature	-4°F - 176°F (standard)
Coefficient of temperature	within 0.1% full scale/°C
Air port	Rc(PT)1/4 (standard)
Main component parts	Aluminum diecast, Stainless steel, Brass, Nitrile rubber
Weight	Approx. 2.65 lbs
Dimensions	4.65" x 3.62" x 3.05" (body)

Notes: * Standard atmospheric conditions
** Standard air temp: 68°F (20°C); absolute pressure: 14.7 PSI; relative humidity: 65%

How to Order:

IP5 100 – 0 1 0 □ □ – □

Type

100	Rotary type cam feedback

Input Pressure Classification

0	3-15 PSI (standard)
1	1/2 split 2.84-8.53, 8.53-14.22 PSI

Pressure Gauge (SUP, OUT1)

0	None
1	30 PSI
3	150 PSI

Opening Display

0	None
1	With

Ambient Temperature

Nil	-4° to 176°F (standard)
T	23° to 212°F (for high temp.)
L	-22° to 140°F (for low temp.)

Pressure Gauge, Piping Port

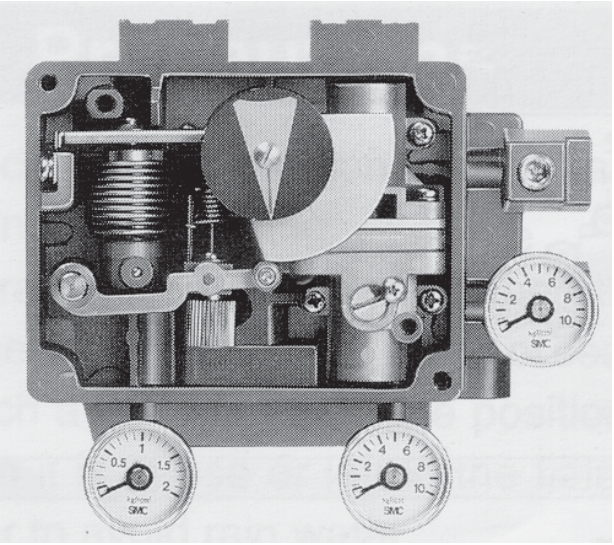
Nil	PT (standard)
N	NPT
F	PF

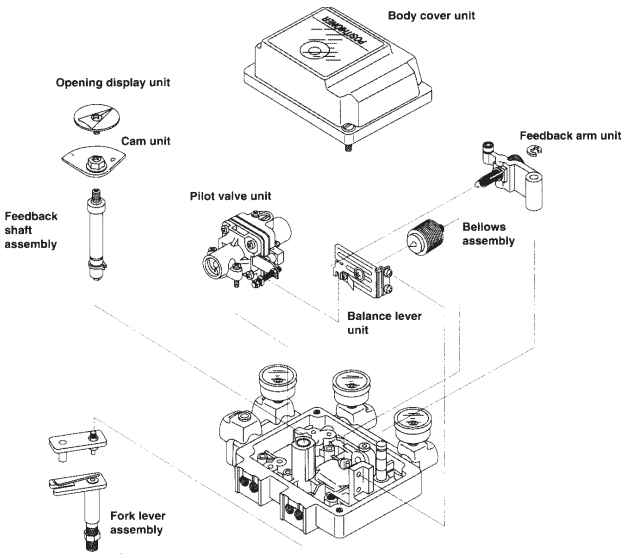
Accessories (Note 1)

Nil	None (standard)	
A	ϕ 0.7 output restriction with pilot valve	Accessory for IP5100 small capacity actuator
B	ϕ 1.0 output restriction with pilot valve	
C	Fork lever joint M	
D	Fork lever joint S	

Note 1) If two or more accessories are required, the part numbers should be made according to alphabetical order. (Example: IP5100-010-AD)

Pneumatic - Pneumatic Positioner: Rotary Type IP5100

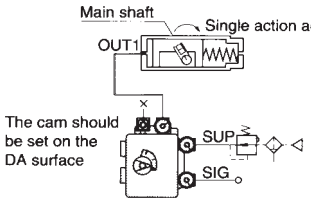




Single Action

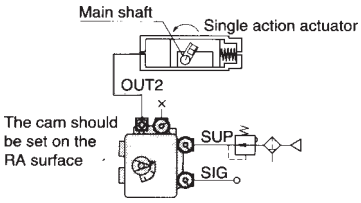
Positive Operation

When the input signal is increased, the actuator shaft rotates in a clockwise direction.



Reverse Operation

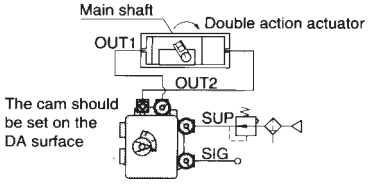
When the input signal is increased, the actuator shaft rotates in a counterclockwise direction.



Double Action

Positive Operation

When the input signal is increased, the actuator shaft rotates in a clockwise direction.



Reverse Operation

When the input signal is increased, the actuator shaft rotates in a counterclockwise direction.