Y-type Angle Seat Valve

Angle Seat Valve with Proximity Switch

Angle Seat Valve with Solenoid Valve

Proximity Switch

Proximity switch can be mounted on angle seat valves of all sizes to monitor and feedback open state of the valve.

Technical Specification

- Operating pressure: 10–30V DC
- Protection class: IP67
- Detection distance: 3mm ± 10% (Customization available)
- Temperature range: –25℃ — +70℃
- Enclosure material: brass nickel plating
- Probe material: ABS
- Leakage class: DIN EN 12266 Class A

Solenoid Valve

Apply to angle seat valve with any aperture size. Connect to 5/2 or 3/2 way solenoid valve.

Technical Specification

- Applicable Medium: Air (filtered by 40μm mesh)
- Protection level: IP65
- Connection type: G1/8"
- Power: 24V DC or 220V AC
- Air pressure: 1.5–8bar (22–116psi)
- Temperature range: –5℃ — +50℃
- Leakage class: DIN EN 12266 Class A

Angle Seat Valve with Manual Override

Angle Seat Valve with Position Indicator

Manual Override

Can adjust piston position, restrict travel, and regulate flow. Applicable to all types of angle seat valves. Can be used for emergency control, in case of lack of control fluids or electrical/ mechanical failure.

Technical Specification

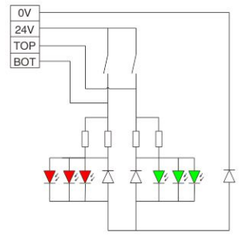
- Handwheel material: die–casted Aluminum
- Control type: Normally closed
- Leakage class: DIN EN 12266 Class A

Position Indicator

Position Indicator can be mounted on angle seat valves of all sizes to monitor and feedback both open and close states of the valve.

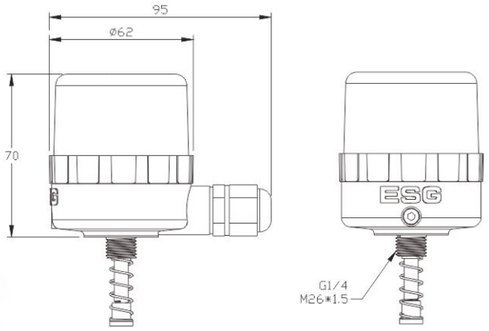
Technical Specification

- Operating pressure: 12V DC — 36V DC
- Current: 25mA/24V DC
- Indicator: visually signal valve open/close state
- Temperature range: –10℃ — +80℃
- Protection level: IP65
- Shell material: PA6+PC
- Wiring instruction: open clear lid, thread the cord through Opening and connect to desired ports.
- Leakage class: DIN EN 12266 Class A



Control Accessory

0S0 Series
Position Indicator



Technical Specification

- Stroke range: 5–35mm
- Voltage: 12V DC–36V DC
- Current: 25mA/24V DC
- Indication Light: Visually feedbacks the valve's open/close status
- Temperature range: –30℃ – +80 ℃
- Protection level: IP65
- Enclosure material: PA6–GF30+PC
- Main dimension: Φ62x70
- Installation interface: G1/4 , M26x1.5
- Wiring method: Unscrew the transparent cover, thread the cable through the cable opening and connect it to the required terminal.

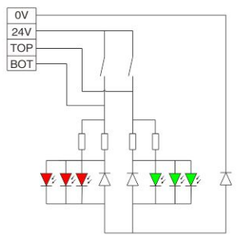
Advantages

1. Compact size meets space constraint.
2. Reliable performance and sensitive reaction.
3. Spring–loaded and threaded connection are easily interchangeable.
4. Quick installation and allows 360° rotation adjustment.
5. Unique slider adjustment mechanism, convenient adjustment and precise position.
6. Screw–free terminal block makes wiring more convenient.
7. Standard cable waterproof lock ensures internal dustproof and moisture proof.

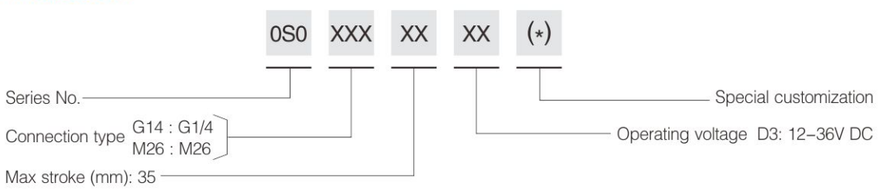
Function Principle

It is used to detect and feedback both open and closed states of the connected valve.

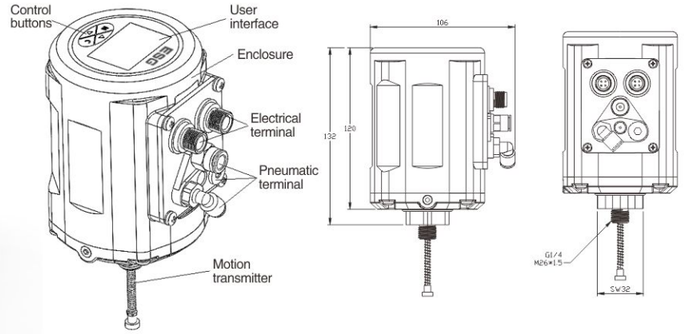
Electrical Schematic



Order Instruction



0P0 Series
Intelligent positioner



Technical Specification

- Stroke range: 5–15mm, 15–30mm
- Voltage: 24V DC
- Power: <5W
- Input signal: 0/4–20mA, 0–5/10V
- Output signal: 0/4–20mA, 0–5/10V
- Enclosure material: PA6–GF30+PC
- Main dimension: Φ85x132
- Control pressure: 3~7bar (44–102psi)
- Temperature range: 0–60 ℃
- Protection level: IP65
- Mounting interface: G1/4 or M26x1.5 (can be customized)

Advantages

1. Compact size meets space constraint.
2. Reliable performance and sensitive reaction.
3. Large LCD display makes it easy to operate.
4. Standard electrical interface allows convenient wiring.
5. High adjustment precision and strong anti–interference performance.
6. Spring–loaded feedback rod for easy installation.
7. Allows various types of connection interface.

Function Principle

Intelligent positioner is a microprocessor–based valve regulator. The valve's open/close state is controlled by external input signals. It is widely used in industrial fluids control systems in order to enable remote and automated control.

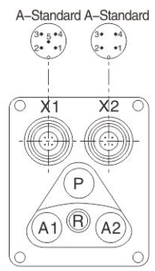
Electrical Terminal

Port Label	Terminal #	Description	Signal type
X1	1	Analog signal output +	0/4–20mA or 0–5/10V
	2	Improper position alarm output	High level
	3	Safe position enable output	High level
	4	Safe position trigger input	High level
	5	Signal common GND	GND
X2	1	Power +	+24V
	2	Power GND	GND
	3	Set signal input +	0/4–20mA or 0–5/10V
	4	Set signal input to GND	GND

Pneumatic Terminal

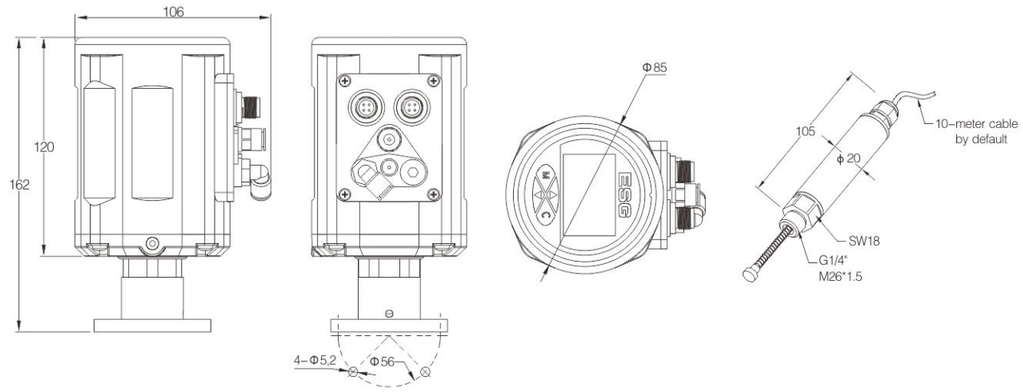
Port Label	Description
P	Air input
A1	Pilot port 1
A2	Pilot port 2
R	Exhaust port

Interface Definition

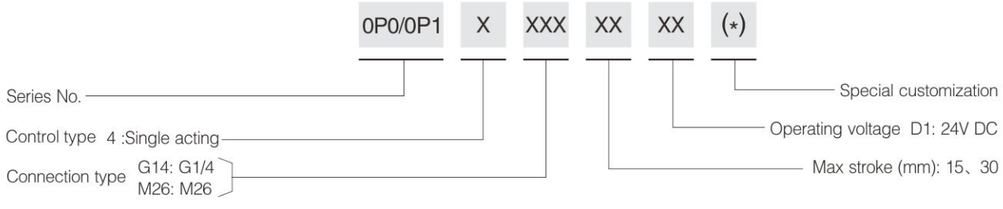


Control Accessory

OP1 Series
Two-piece
intelligent positioner



Order Instruction



ESG®

Seal Materials Chemical Compatibility Guide

Chemicals	NBR	EPDM	FPM	PTFE
Acetic acid–pure	–	O	–	+
Acetone–pure	–	+	–	+
Ammonia (gaseous)–pure	–	+	O	+
Ammonia (liquid)–pure	–	O	O	+
Battery acid (sulphuric acid 20%)	O	+	+	+
Brine (cooling brine)	+	+	+	+
Calcium hydroxide (lime water)–Aqueous	+	+	+	+
Carbon dioxide (dry)–pure	+	O	+	+
Carbon dioxide (humid)	+	O	O	+
Chlorinated lime (calcium hypochlorite)–aqueous	–	+	O	+
Chlorine bleaching lye (sodium hypo–chlorite)–aqueous	–	+	O	+
Chlorine (gaseous)–dry	–	–	O	+
Chlorine (liquid)– pure	–	–	O	+
Chlorine water (chlorine–humid)	–	–	O	+
Citric acid–aqueous	+	+	+	+
Dextrose (glycose)– aqueous	+	+	+	+
Ethyl alcohol (ethanol)–pure	O	+	O	+
Ethyl alcohol + acetic acid	O	+	O	+
Ethyl alcohol–fermented mash	+	+	+	+
Ethylene glycol (glycol)–pure	+	+	+	+
Formaldehyde solution (formalin)–aqueous	O	O	O	+
Glycerine–aqueous	+	+	+	+
Glycerine–pure	O	+	+	+
Inert gases–pure	+	+	+	+
Lactic acid–aqueous	O	O	+	+
Malic acid–aqueous	+	+	+	+
Methanol (methyl alcohol)–pure	–	+	–	+
Nitrogen–pure	+	+	+	+
Oxygen–pure	O	O	+	+
Ozone (humid and dry)	–	O	O	+
Silicone oil	+	+	+	+
Soda lye (sodium hydroxide)–aqueous	O	+	O	+
Sodium carbonate (soda)–aqueous	+	+	+	+
Sodium chloride (table salt)–aqueous	+	+	+	+
Sodium hydrogen carbonate (sodium bi–carbonate)–aqueous	+	+	+	+
Sodium hypochlorite (chlorine bleachinglye)–aqueous	–	O	+	+
Starch solution–aqueous	+	+	+	+
Toluene–pure	–	–	O	+
Water–distilled	+	+	+	+
Water (seawater)	+	+	+	+
Water vapour (130℃)	O	+	+	+
Yeast–aqueous	+	+	+	+

+: suitable O: limited suitability –: unsuitable
Limited suitability parts are rated as wear parts and are not included in the standard warranty conditions.