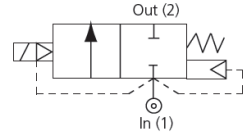


# ACPX Series: Steam – 2/2 Normally Closed

Specifications	
Function	Normally closed, energise to open 
Maximum Viscosity	115 SSU
½" - 1" Body Material (Std)	Brass CZ122
1¼" - 2" Body Material (Std)	Bronze DIN 1705
Flange Tube	Stainless Steel 303
Plunger and Top Stop	Stainless Steel 430FR
Springs	Stainless Steel 302
Seal Material (Std)	PTFE
Connection Type (Std)	BS21
Shading Ring	Copper (std), Silver (stainless steel option)
Electrical Characteristics	
Coil Voltage DC (=)	12 V, 24 V, 110 V
Coil Voltage AC 50 Hz (~)	24 V, 110 V, 120 V, 230 V
Coil Voltage AC 60 Hz (~)	24 V, 120 V, 220 V
Voltage Tolerance	+10% or -10%
Duty Cycle	100% ED
Protection Class (Std)	IP65 (BS EN 60529) (plug supplied as standard)
Electrical Connection (Std)	PG9 Din Connector DIN 43650/ISO 4400 (EN 175301-803) Form 'A'
Coil Insulation	Class H (BS EN 60085) 180 °C (E5 Type)
Power Rating	14.5 Watts, 19 VA

## Features and Benefits

- Heavy Duty Valve Design
- Piston Operation
- Wide temperature range capabilities
- Choice of valve body material seals



Pipe Size	Cv (gpm)	Kv (m³/h)	OPD (Bar)		P. Max Bar	Orifice (mm)	Weight (kg)
			AC Voltages	DC Voltages			
½"	4.9	4.2	0.3-8.6	0.3-4.8	50	16.00	1.3
¾"	6.3	5.4	0.3-8.6	0.3-4.8		16.00	1.3
1"	8.2	7.1	0.3-8.6	0.3-4.8		25.00	2.3
1¼"	21.0	18	0.3-8.6	0.3-4.8		30.00	3.0
1½"	21.0	18	0.3-8.6	0.3-4.8		30.00	3.0
2"	24.4	21	0.3-8.6	0.3-4.8		32.00	5.2

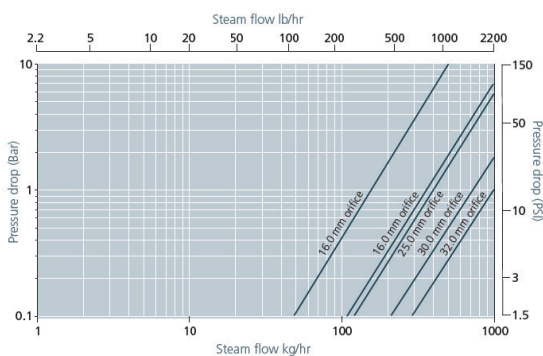
## Options Available

Solenoid Enclosure	
Protection Class	Consult Rotork Midland for product codes
EExd T6 (IP67)	
EExd T4 (IP67)	

Seal Material <sup>1</sup> and Media Temp. Range	Ambient Temperature Range °C	
	Min	Max
PTFE (-200 °C to +180 °C)	-10	50

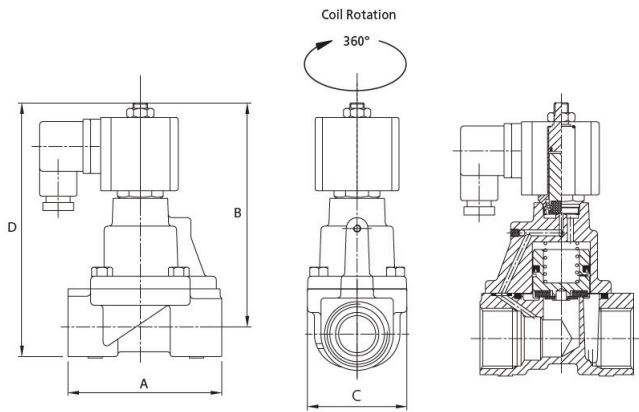
<sup>1</sup> See corrosion reference guide and sealing solutions for material compatibility.

Main Valve Assembly Options
Stainless steel body 316 (available up to 1")
Oxygen Cleaning (Consult Rotork Midland for product code)
NPT Threads
Stainless steel tagging

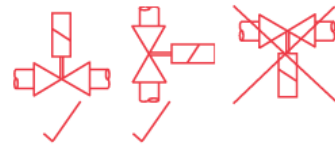


## How to use the flow chart

1. Select the required flow.
2. Note the corresponding pressure drop.
3. Based on where the two points intersect select the most appropriate model.



### Preferred Valve Mounting Options



### Dimensions

Pipe Size	A	B	C	D
½"	85	126	75 inc. plug	150
¾" - 1"	85	135	75 inc. plug	155
1¼" - 1½"	117	133	82	209
2"	146	145	103	209

Dimensions given in mm

### Solenoid enclosures



#### E5 Type enclosure protection class IP65

External material: Glass reinforced nylon

Electrical connection: DIN Plug to ISO 4400

Winding insulation: Class H

Enclosure: Conforms to IP65 when correct plug gasket is fitted as supplied

### Coding chart

#### Main Valve Assembly

Model	Valve Body Conn. Size	Connection Type	Operation
22	ACPX	D ½"	1 AUTO
		E ¾"	2 MANUAL OVERRIDE
		F 1"	
		G 1¼"	
		H 1½"	
		J 2"	
		1 BS21	
		2 BSP G	
		3 NPT	
		4 FLANGED (PN16 STD)	

Body Material	Seals	Style
1 Brass (standard on valves up to and including 1")	E PTFE	1 Standard
2 Bronze (standard on valves above 1")		
5 316 Stainless Steel (option available up to and inc 1")		

#### Coil options

Enclosure	Voltage / Frequency	Electrical Connection
1 Weather proof IP65	A1 230 V / 50 Hz	1 Din plug 9 mm
	A2 110 V / 50 Hz & 120 V / 50 Hz	
	A3 24 V / 50 Hz	
	A7 220 V / 50 Hz	
	B2 24 VDC	
B3 12 VDC		
B5 110 VDC		

22	•	•	•	Z	•	E	1	-	1	••	1
----	---	---	---	---	---	---	---	---	---	----	---

### Product coding example:

22D11Z1E1-1A11 - ACPX Series

½" BS21, auto operation, brass body, PTFE seals, 230 V / 50 Hz DIN Plug 9 mm.