



PADDLE FLOW SWITCH 626600A



DESCRIPTION

The **626600A Flow Switch** from **Caleffi** can be used in w in 1" to 8" pipes containing water, 50% or less glycol solutions, or other liquids that are compatible with stainless steel, brass, and EPDM. It is designed for use in HVAC systems, heat exchangers, pumping systems, water treatment, and process systems in general.

The **Model 626600A** is ideal for controlling pumps, burners, compressors, refrigerators, motorized valves, or for activation of signaling units or warning devices.

FEATURES

- **316L stainless steel bellows for durability and long life**
- **NEMA 5 (IP54) environmental rating for indoor use in humid or dusty environments**
- **Six stainless steel blades to fit 1" to 8" pipes**
- **Insulated cover over microswitch contacts for safety**
- **Large, easily-accessible calibration screw with locking nut to maintain setpoint**

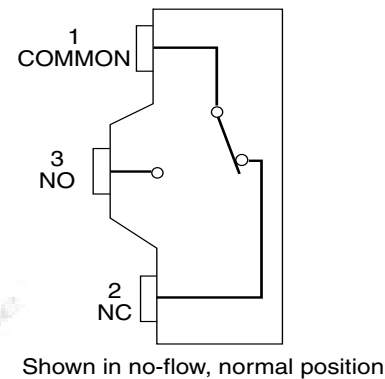


626600A

SPECIFICATIONS

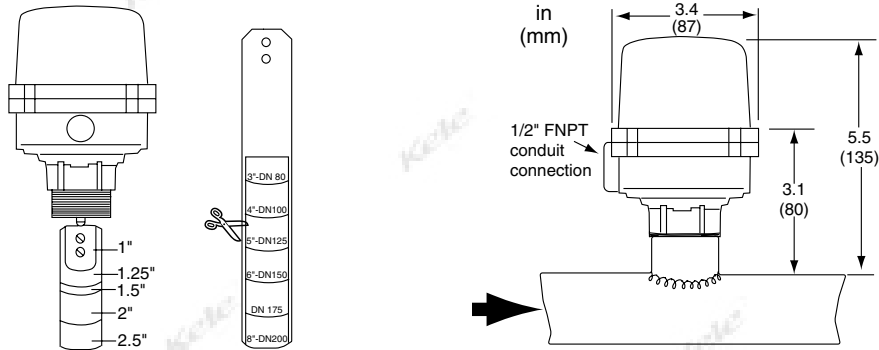
Relay Output	
Resistive/Inductive Amp load	15A @ 240 VAC maximum; 3A @ 125 VAC for the N.C. contact, 1.5A @ 125 VAC for the N.O. contact;
Motor load	5A, 1/4 HP @ 125 VAC for the N.C. contact, 2.5A, 1/8 HP @ 125 VAC for the N.O. contact
Set Point	Adjustable
Hysteresis	Changes with Set Point (see operation talbe on the next page)
Pipe Size Range	1" to 8" (2.5 to 20 cm) w/ removeable blades
Connections	1" MNPT
Media Temperature Range	-20° to 250°F (-30° to 120°C)
Maximum System Pressure	150 psig (10 bar)
Materials of Construction	
Wetted parts	P-Cu Zn40 Pb2 brass body, 316L stainless steel bellows, EPDM o-ring;
Housing cover	Class UL94V-0 self-extinguishing polycarbonate
Operating Temperature	130°F (55°C) maximum ambient
Weight	1.7 lb (0.8 kg)
Approvals	CE, UL File E307420
Warranty	2 years

WIRING



PADDLE FLOW SWITCH 626600A

DIMENSIONS

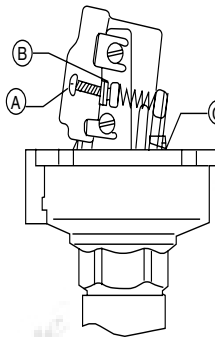


Select the blade marked with the diameter of the pipe in which the switch will be installed. For pipe sizes 1" to 2.5", remove all extra pre-fitted blades. For pipes 3" and above, leave all pre-fitted blades installed and add the long blade and trimming as shown for pipe size. Install the switch in the pipe, observing the flow direction arrows shown on the body casting and housing cover. The distance between the top of the pipe and the upper surface of the brass housing should be 3.1" (80 mm). The switch can be installed in a horizontal or vertical pipe, but avoid installing the switch below horizontal; dirt and deposits may collect in the switching mechanism and affect operation.

OPERATION

Operating flow rates: gpm (lpm)	Diameter of Pipe	1"	1.25"	1.5"	2"	2.5"	3"	4"	5"	6"	8"
	Minimum calibration Operating flow rate with increasing flow		5.7 (21.7)	7.5 (28.4)	11.4 (43.4)	13.2 (50.1)	22.0 (83.5)	29.9 (113)	44.0 (167)	61.1 (232)	72.6 (275)
Minimum calibration Operating flow rate with decreasing flow		4.0 (15.0)	5.5 (20.9)	8.4 (31.7)	9.7 (36.7)	16.3 (61.8)	22.9 (86, 8)	37.4 (142)	51.5 (197)	63.8 (242)	145 (551)
Maximum calibration Operating flow rate with increasing flow		12.3 (46.8)	16.7 (63.5)	26.0 (98.5)	29.5 (112)	51.5 (195)	69.5 (264)	94.6 (359)	136 (518)	189 (718)	334 (1269)
Maximum calibration Operating flow rate with decreasing flow		11.9 (45.1)	16.3 (61.8)	25.5 (96.9)	29.0 (110)	50.6 (192)	68.6 (260)	92.4 (351)	127 (484)	158 (601)	308 (1169)

CALIBRATION



If the required operating flow rate differs from that given in the table above, the necessary correction should be carried out as follows: turn the calibration screw (A) in a clockwise direction for the contacts to close at higher flow rate values or in a counterclockwise direction for lower flow rate values. When the adjustment has been made, lock the screw (A) with the locking ring nut (B). **Avoid all contact with the presetting screw (C).** An incorrect setting would seriously impair the operation of the switch.

ORDERING INFORMATION

MODEL
626600A
626009

DESCRIPTION
Paddle flow switch, 1" to 8" pipes, NEMA 5
Replacement Paddle Blade