

Flow Switch

626 Series

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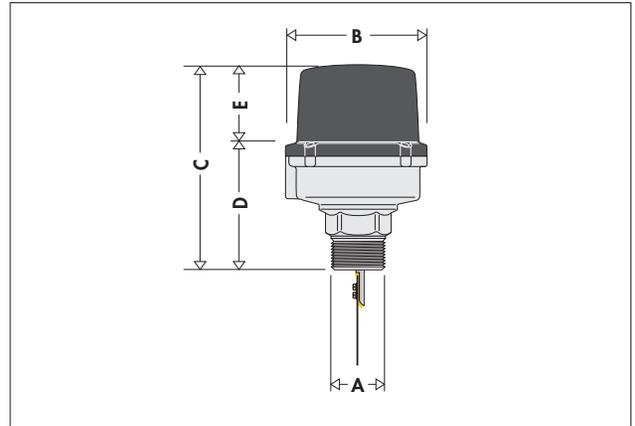
Application

The flow switch detects whether there is any flow in the piping and opens or closes an electrical contact. It is normally used in heating, air-conditioning, refrigeration, water treatment, additive pumping and process systems in general. By means of the flow switch it is possible: to control devices such as pumps, burners, compressors, refrigerators, motorized valves; to turn on indicator and alarm devices and regulate equipments for dosing water additives. In heating systems, especially, the flow switch functions to switch the burner off in case of a lack of heat transfer fluid circulation within the water heater circuit. A lack of circulation would otherwise impair the operation of the temperature-sensitive safety and protection devices.

Typical Specification

Furnish and install on the plans described herein, a Caleffi Flow Switch as manufactured by Caleffi. Each switch must be designed with a brass body, stainless steel bellows and bellows rod, paddles for pipes and microswitch spring. EPDM O-Ring seals, self-extinguishing polycarbonate cover and microswitch protection casing. The flow switch design must include a 1" NPT female connection. Each flow switch shall be Caleffi model 626600A or approved equal. (See product instructions for specific installation information.)

Dimensions

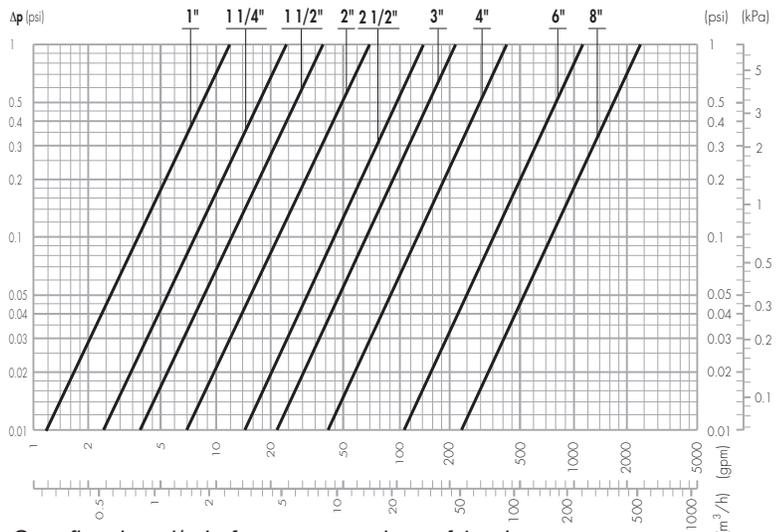


Code	A	B	C	D	E	Weight (lb)	(kg)
626600A	1"	3 7/16"	5 5/16"	2 15/16"	2 3/8"	2.05	0.93



Technical Data

Materials
 Body: brass
 Cover: self-extinguishing polycarbonate
 Microswitch protection casing: self-extinguishing polycarbonate
 Bellows rod and bellows: stainless steel
 Paddle (Blades) for pipes: stainless steel
 Microswitch spring: stainless steel
 O-Ring seals: EPDM
 Performance
 Medium: drinking water and glycol solutions
 Max. percentage of glycol: 50%
 Max. working pressure: 150 psi (10 bar)
 Medium temperature range: -20-250°F (-30-120°C)
 Max. ambient temperature: 130°F (55°C)
 Connection: 1" NPT male
 Pipe adjustability: from 1" to 8"
 Electric specifications
 Voltage: 250 V
 Electrical connection: 1/2" NPT female thread
 Current: 15 (5) A
 Protection class: NEMA Type 5 (IP 54)
 Mark: CE, C-UL



C_v = flow in gal/min for a pressure loss of 1 psi

Size	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"
C_v	11.5	24.3	37.6	67	139	208	405	1098	2255
K_v (m ³ /h)	10	21	32.5	58	120	180	350	950	1950

The stated C_v (K_v) values refer to the head loss within the pipes with diameters from 1" to 8" and standard length of 39 in (1 m), in which flow switches, equipped with a paddle (blade) of adequate size, are installed.

We reserve the right to change our products and their relevant technical data, contained in this publication, at any time and without prior notice. Contractors should request production drawings if prefabricating the system.

Job name	Size
Job location	Quantity
Engineer	Approval
Mechanical contractor	Service
Contractor's P.O. No.	Tag No.
Representative	Notes