

| REED SWITCH RATINGS – MAX. RESISTIVE LOAD | | | |
|-------------------------------------------|-------|---------|---------|
| VA | VOLTS | AMPS AC | AMPS DC |
| 10 | 0-50 | 0.2 | 0.13 |
| | 120 | 0.08 | 0.05 |
| | 240 | 0.04 | 0.02 |

FLOW SWITCH UNITS WITH VA FROM 15 TO 100 ARE AVAILABLE ON REQUEST.
 FLOW SWITCH UNITS WITH 50 OR 100 VA ARE NOT UL RECOGNIZED.

| Approx. Max. FLOW RATE – SCC/MIN | TYPICAL PRESSURE DROP DATA FOR AIR AT 5 PSIG | | | | |
|----------------------------------|----------------------------------------------|------|------|------|------|
| | 2000 | 2500 | 3000 | 4000 | 4500 |
| PRESSURE DROP – PSIG | 1.2 | 1.35 | 1.5 | 1.75 | 1.8 |

ORDERING INFORMATION

50 — 5* — P — SS — X — 0

MODEL FROM TABLE A
 50
 55
 60

BODY MATERIAL
A = ALUMINUM (ANODIZED) PP = POLYPROPYLENE
B = BRASS S = 316 SS
 H = HASTELLOY 276 T = TEFLON
 M = MONEL 400
 P = ACRYLIC

EXPLOSION PROOF WITH 1/2" FNPT CONDUIT ONLY IN: 316 SS, HASTELLOY 276, & MONEL 400

CUSTOM SETTING REQUESTED BY CUSTOMER

SWITCH TYPE
SS = SINGLE SWITCH
 DS = DOUBLE SWITCH
 DT = SPDT

| FLOW SETTINGS TABLE A | | | | | | |
|-----------------------|-----------|------------|--------------|------------|--------------|-------------|
| SERIES | 50 | | 55 | | 60 | |
| DASH NO | AIR scc/m | WATER cc/m | AIR scc/m | WATER cc/m | AIR scc/m | WATER cc/m |
| 0 | 50 | 1 | | | | |
| 1 | 100 | 3 | 7500 | 250 | 30000 | 850 |
| 2 | 500 | 18 | 10000 | 350 | 35000 | 1100 |
| 3 | 750 | 25 | 12500 | 400 | 40000 | 1250 |
| 4 | 1500 | 50 | 15000 | 500 | 45000 | 1350 |
| 5 | 2500 | 85 | 20000 | 600 | 50000 | 1450 |
| 6 | 5000 | 170 | 25000 | 750 | 55000 | 1595 |

| OPTIONS |
|-----------------------------------------|
| CR = CORROSION RESISTANT |
| F = ADD FILTER (SPECIFY) |
| G = ONE GRIP |
| 2G = TWO GRIPS (NA FOR EXP PROOF MODEL) |
| HT = HIGH TEMP |
| OXY = CERT OXYGEN CLEANING |
| TF = TEFLON PISTON & O-RINGS |
| SW = SIDE WIRES |
| •1/4 = WITH 1/4" FNPT PORTS |

SPECIFICATIONS by materials

| CONSTRUCTION MATERIALS | | | | | | | |
|----------------------------------|------------------------------------------------------------------|-----------|---------------------------|--------------------|--------|---------------------------|-----------|
| HOUSING | ACRYLIC | ALUMINIUM | BRASS | 316SS | TEFLON | MONEL 400/ INCONEL 600 | HASTELLOY |
| PISTON | 316SS or Teflon | 316SS | Brass, 316SS or Teflon | 316SS or Teflon | Teflon | Monel 400/ Inconel 600 | Hastelloy |
| PISTON EPOXY (SEE TABLE B BELOW) | SUITED TO MEET CUSTOMER'S APPLICATION | | | | | | |
| RETAINING RINGS | 316SS or Teflon | 316SS | 316SS | 316SS | Teflon | Monel 400/ Inconel 600 | Hastelloy |
| REED SWITCH | 10 WATTS SPST OR SPDT (HERMETICALLY SEALED) UL RECOGNIZED | | | | | | |
| REED SWITCH OPERATING TEMP | -40 TO +125 DEGRESS CELSIUS | | | | | | |
| ELECTRICAL DATA | | | | | | | |
| SWITCHING VOLTAGE | 200 (175 for SPDT) | | | | | | |
| BREAKDOWN VOLTAGE | 250 (200 for SPDT) | | | | | | |
| DC RESISTIVE | 10 WATTS (3 WATTS for SPDT) | | | | | | |
| AC RESISTIVE | 10 VA | | | | | | |
| SWITCHING CURRENT | 0.5 A (0.25 for SPDT) | | | | | | |
| CARRYING CURRENT | 1.2 A | | | | | | |
| LAMP | DERATE BY 2/3 | | | | | | |
| LEAD WIRES | NO 24 TO 18 AWG. 18" LENGTH, POLYMERIC UL RECOGNIZED | | | | | | |
| LEAD WIRES COLOR CODING: SPDT | GREEN - COMMON, YELLOW - NORMALLY CLOSED, ORANGE - NORMALLY OPEN | | | | | | |
| FLOW CALIBRATION | | | | | | | |
| SET POINT ACCURACY | ± 10% MAX | | | | | | |
| SET POINT DIFFERENTIAL | 15% ± 5% | | | | | | |
| REPEATABILITY | ± 2% | | | | | | |
| MAX. OPERATING PRESSURE - PSIG | 200 | 1000 | 1500 | 3000 | 80 | 5,000 | 5,000 |
| BURST PRESSURE - PSIG | 400 | 2000 | 3000 | 5000 | 160 | 10,000 | 10,000 |
| MAX. OPERATING TEMP | 170° F | 300° F | 300° F | 300° F | 300° F | 350° F | 350° F |
| | 77° C | 149° C | 149° C | 149° C | 149° C | 175° C | 175° C |

| TABLE B | |
|---------|---------------------------------|
| TYPES | EPOXY USED IN PISTON |
| CR | CORROSION RESISTANT |
| HT | HIGH TEMPERATURE |
| CL | WITHSTAND CHLORINATED SOLUTIONS |
| ST | STANDARD EPOXY |