

## LF20-V - Vacuum Pressure Switch

The LF20-V pressure switch is specifically designed to stand up to extended duty applications. This switch is factory set. It features a fluorosilicone rubber diaphragm for compatibility with a wide variety of fluids and various terminations including a Metric-Pack connector that forms a tight seal when connected. The LF20 Vacuum switch benefits from its durable construction, compact size and enhanced set point integrity.

### LF20-V Vacuum Switch: Benefits & Features

- Fluorosilicone diaphragm makes it compatible with many mediums
- Many electrical and thread connections are available
- Durable, high-performance switch for versatile applications

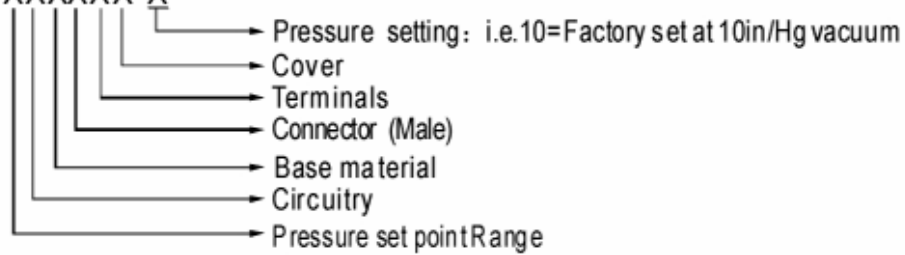


|                             |   |
|-----------------------------|---|
| Model                       | LF20-V  |
| Media                       | Air, motor oils, transmission oils, jet fuels and other similar hydrocarbon media; Water                                      |
| Pressure Set Point          | Factory set from 1.1 to 22 in/Hg vacuum   |
| Max Operating Pressure      | 30 in/Hg vacuum   |
| Burst Pressure              | 150 psi   |
| Operating Temperature Range | -40°C to ~120°C   |
| Switch Type                 | Direct action, blade contact  |
| Electrical Rating           | Resistive : 15AMP-6VDC<br>8AMP-12VDC<br>4AMP-24VDC<br>Inductive: 1AMP-120VAC<br>0.5AMP-240VAC                                 |
| Contact Arrangement         | SPST-N.O., N.C.   |
| Terminals                   | #8-32 screws, 1/4 " blade, Metri-Pack   |
| Connection                  | 1/8"NPT Male, 1/4 "NPT Male, G1/8" Male, G1/4" Male   |
| Material                    | Contact: Silver alloy, gold plated<br>Base: Brass<br>Cover: Glass reinforced polyester<br>Diaphragm: Fluorosilicone elastomer |
| Options                     | Various base connector sizes, wire leads (potted & sealed)  |

Conversion: 1kgf/cm<sup>2</sup>=14.2psi 1bar=14.5psi 1in/Hg=0.49psi

LF 20-V Order Ref No:

LF20-V-XXXXXX-X



| Number | Pressure set point Range                         | Circuitry | Base Material   | Connector (Male) | Terminals    | Cover   |
|--------|--|-----------|-----------------|------------------|--------------|---------|
| 0      | /  | /         | /               | /                | /            | none    |
| 1      | 1.1-3" Hg<br>(15-41 " H2O)<br>±0.22" Hg(3 " H2O) | SPST-N.C. | Brass           | 1/8NPT           | 1/4 blade    | Cover A |
| 2      | 4-8 " Hg±1 " Hg                                  | SPST-N.O. | Plated Steel    | 1/4NPT           | #8-32 screws | Cover B |
| 3      | 9-17 " Hg±2 " Hg                                 |           | Stainless Steel | R1/8             | Metri-Pack   |         |
| 4      | 18-22 " Hg±3 " Hg                                |           |                 | R/4              |              |         |
| 5      | /  |           |                 | G1/8             |              |         |
| 6      | /  |           |                 | G1/4             |              |         |