

## HOW TO ORDER FLAMEPROOF VACUUM RANGE SWITCHES

| Group 1                                                                                                                                                                   | Group 2                                                                                                                  | Group 3                                                                                                                                                                                                                                                                                                                                                                          | Group 4                                                     | Group 5                     | Group 6                                                                                                                                                                                                                                                                                                                                                                                                                      | Group 7                                                            | Group 8                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------------------------------------------|
| Non standard allocation                                                                                                                                                   | Gas Group Classification                                                                                                 | Cable Entry Size                                                                                                                                                                                                                                                                                                                                                                 | Switch Type                                                 | Range Code (values in mmHg) | Microswitch Type                                                                                                                                                                                                                                                                                                                                                                                                             | Pressure Port Material / Size                                      | Diaphragm                                                                    |
| <input type="checkbox"/> Reserved for non-standard options not covered in catalogue. Will be given by manufacturer, only after agreement of supply details with customer. | <b>FC</b> = Flameproof pressure switch, ATEX & IECEx approved, with Aluminium head as per IS/IEC 60079-1 for Gas Gr. IIC | <b>1</b> = Al. head 1/2" NPT threads<br><b>2</b> = Al. head 3/4" NPT threads<br><b>3</b> = Al. head M20 x 1.5 threads<br><b>4</b> = Grey CI head 1/2" NPT threads<br><b>5</b> = Grey CI head 3/4" NPT threads<br><b>6</b> = Grey CI head M20 x 1.5 threads<br><b>7</b> = SS head 1/2" NPT threads<br><b>8</b> = SS head 3/4" NPT threads<br><b>9</b> = SS head M20 x 1.5 threads | <b>V1</b> = vacuum switch, fixed differential without scale | <b>V00</b> = († 760 - 100)  | <b>A1</b> = General purpose microswitch rated at 15 A; 250 VAC<br><b>A2</b> = Hermetically sealed for corrosive environments<br><b>A3</b> = gold plated contacts for low voltage applications<br><b>A4</b> = DPDT configuration<br><b>A5</b> = for high DC ratings<br><b>A6</b> = elements with adjustable deadband<br><b>A7</b> = 2SPDT switching elements<br><b>A9</b> = General purpose microswitch rated at 5 A; 250 VAC | <b>S1</b> = SS316 / 1/4" BSP(F)<br><b>S2</b> = SS316 / 1/4" NPT(F) | <b>0</b> = Neoprene<br><b>1</b> = Teflon                                     |
| Please refer page no. 230 for more microswitch options<br>* Please refer note under Range Selection Table                                                                 |                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                  |                                                             |                             |                                                                                                                                                                                                                                                                                                                                                                                                                              | Please refer page no. 226 & 227 for more pressure port options     | For additional wetted parts please refer Pressure Capsule Details on Page 67 |

eg. A flameproof switch for gas group IIC, with 1/2" NPT cable entry in aluminium housing as 1SPDT vacuum switch, having 760 mm Hg to 100 mm Hg vacuum range, with 15Amp. microswitch, SS316 pressure housing with 1/4" BSP port size & neoprene diaphragm shall be specified by

| Group 1                  | Group 2 | Group 3 | Group 4 | Group 5 | Group 6 | Group 7 | Group 8 |
|--------------------------|---------|---------|---------|---------|---------|---------|---------|
| <input type="checkbox"/> | FC      | 1       | V1      | V00     | A1      | S1      | 0       |

Please specify full model number to avoid ambiguity. If only the first two groups are specified while ordering, uncalibrated switches with standard wetted parts and enclosures will be supplied.