

Technical foreword of elastomeric membrane pressure switches

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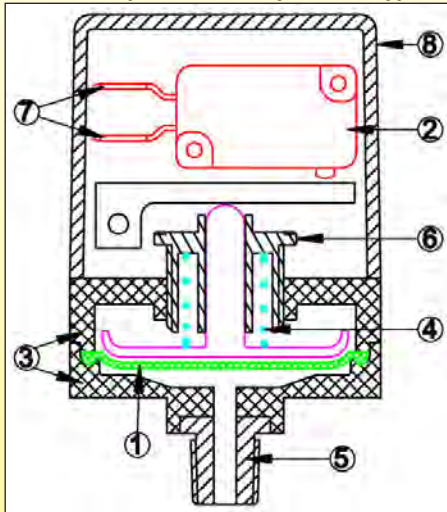
Operating principle

The pressure switches of this catalogue are made according to the flexible elastomeric membrane technology.

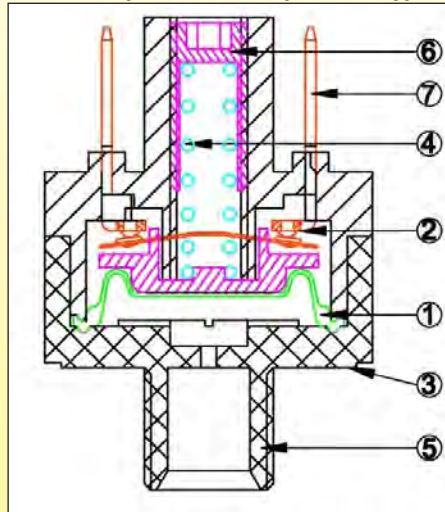
The pressure applied deforms the membrane which then actuates an electrical contact.

A counter-pressure system, which force is provided either by the contact system itself or by a spring, is applied to the membrane to adjust the set point

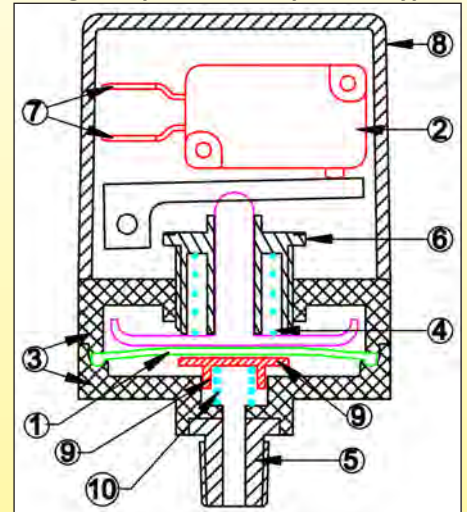
Positive pressure, snap action type



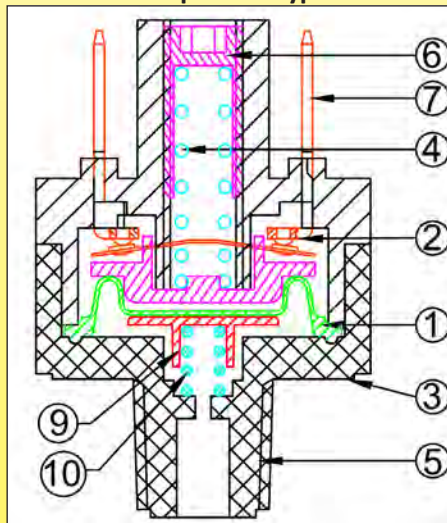
Positive pressure, creep action type



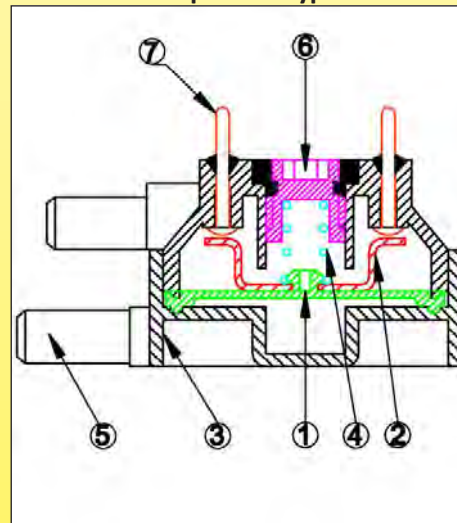
Negative pressure, snap action type



Negative pressure, creep action type



Differential pressure switch, creep action type



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|-------------------------|--|
| 1: Membrane | 6: Adjustment system |
| 2: Electrical switch | 7: Electrical connection |
| 3: Pressurized body | 8: Protection housing (Option) |
| 4: Back pressure spring | 9: Spring cap (negative pressure only) |
| 5: Pressure inlet | 10: Spring (negative pressure only) |