

PLASTIC GAUGE GUARDS SPM 903



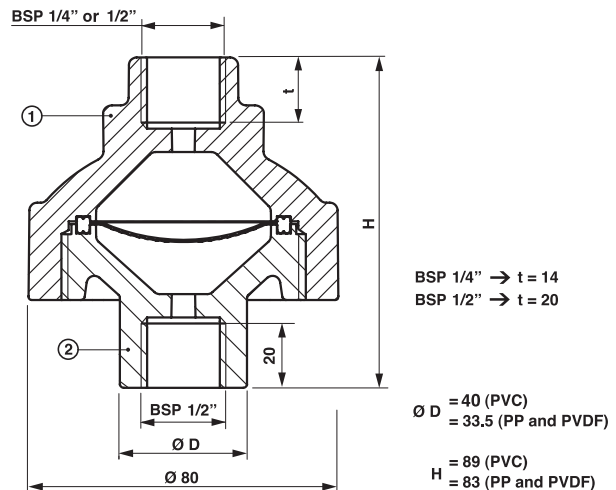
- Body: PVC-U, PP, PVDF
- Diaphragm: PTFE coated EPDM
- Suitable for aggressive liquids and ultra-pure
- None metallic parts
- OEM line on request

DESCRIPTION

The pressure gauge guards SPM 903, are suitable to protect the pressure sensors against the destroying effects of aggressive fluids; by construction, they warranty as well the ultra-pure fluids not to be in contact with anything else than the synthetic materials. They are mechanically resistant through their design and by the use of high quality plastics with a PTFE coated diaphragm. The process pressure is transmitted to the sensor through a non-compressible fluid such as silicon oil. For mounting a sensor on the SPM guard, the filling with oil is done under vacuum. We propose the guards alone but also, complete assembly including sensor, filling/mounting and guard (*on request*).

TECHNICAL FEATURES

| | |
|--|---|
| Upper cover (1): | Glass fibre reinforced PP |
| Base plate (2): | PVC-U, PP, PVDF |
| Diaphragm: | PTFE coated EPDM |
| Process connection: | BSP 1/2" Female |
| Pressure limit: | 10 bar at 20°C as a maximum (decreases with increasing temperature) |
| Temperature limits: (for the process fluid) | 0...+60 °C with PVC-U base plate +10...+80 °C with PP base plate -30...+100 °C with PVDF base plate |



CODE NUMBERS AND REFERENCES

| Process connection | Sensor connection | PVC-U base plate | PP base plate | PVDF base plate |
|--------------------|-------------------|------------------|---------------|-----------------|
| BSP 1/2" | BSP 1/2" | 903 100 | 903 200 | 903 250 |
| BSP 1/2" | BSP 1/4" | 903 104 | 903 204 | 903 254 |

BAMO MESURES

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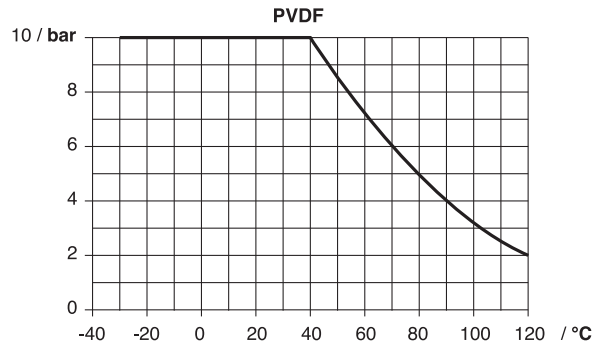
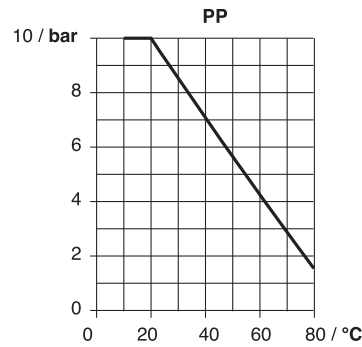
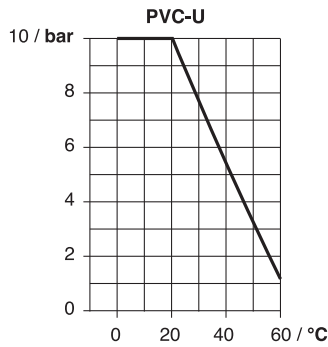
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LIMITS Pressure vs. Temperature



RECOMMENDATIONS

If the sensor has been supplied alone, it is the responsibility to the end-user to fill in, under vacuum, the system guard + sensor, with an appropriate fluid. When a gauge guard is fitted without a filling fluid, the indicated measure will be false and diaphragm will be damaged.

The system sensor + gauge guard, filled with a fluid, may mounted in any position; consider anyway the recommendations specific to the sensor in use and body gauge filled with glycerine from which glycerine leakage can occur.

During fitting, never screw in the gauge using the body gauge by itself; use hexagonal wrench on the guard.

Caution: modifying the position of the gauge against the separator will change the inside pressure of filling liquid.

To test a system guard + sensor, never push on the diaphragm with any object.

Never disassemble a sensor from its guard.

- If this occurs, you may have to send back the both part to our factory.

Damaged diaphragm and modified position of the sensor against the guard, are not covered by the warranty.



Examples of applications

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