DIAPHRAGM SEAL PRESSURE GAUGE

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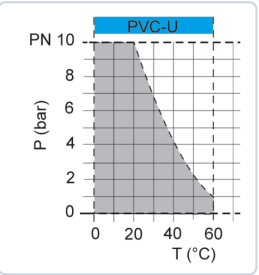
The **Fildos Diaphragm Seal Pressure Gauge** is a high-precision measuring instrument specifically designed for pressure monitoring of corrosive, highly viscous, or crystallizing fluids. Its durable PVC-U body and highly chemical-resistant PTFE diaphragm seal protect the internal measuring mechanism from aggressive chemicals, ensuring safe and long-lasting operation.





General Features

- **Body Material:** PVC-U (Rigid Polyvinyl Chloride)
- **Diaphragm:** PTFE (Teflon) - High corrosion resistance
- **Pressure Range:** 0 - 10 bar (0 - 140 psi)
- **Accuracy Class:** CL 2.5
- **Protection Class:** IP65 (Suitable for harsh industrial conditions)

Applications

- Chlorination and dosing systems in water and wastewater treatment plants.
- Pressure monitoring of acidic, alkaline, and aggressive chemical fluids.
- Galvanic, surface treatment baths, and acidic line controls.

Technical Specifications

Product Code / Model	Code 8024 / MDM902
Maximum Operating Temp.	**+60°C** (Must not be exceeded due to PVC-U material limits)
Maximum Operating Pressure	10 bar / 140 psi
Lower Body Process Connection	1/2" NPT (Female)
Upper Gauge Connection	G 1/4"
Gauge Body Material	316L Stainless Steel (in accordance with EN 837-1)
Chemical Compatibility	Corrosive acids, bases, and inorganic salt solutions

Installation & Maintenance

1. **Temperature Limit:** Ensure that the continuous process operating temperature never exceeds the **60°C** limit.
2. **Installation:** When making the lower connection (1/2" NPT), use appropriate sealing elements (e.g., PTFE tape) and avoid applying excessive torque to the body.
3. **Maintenance:** Residue that may accumulate on the diaphragm surface over time can be cleaned with neutral chemicals by removing the lower body after the system pressure has been safely reduced to zero.

> **Attention:** The chemical compatibility of the fluid with PVC-U and PTFE materials must be verified using resistance charts prior to system commissioning.