

The RCA222 Differential Pressure (ΔP) Transducer is the latest monitoring device for use with Pall filter assemblies. It provides continuous, reliable, real time data of filter service condition to give users increased control of their fluid system maintenance procedures.

The **RCA222 ΔP transducer** senses the differential pressure across an in-service filter element and transmits the reading as a 4-20mA analogue signal, interpreted as a value of remaining filter life.

In addition it has two independent switched outputs set to 75% and 100% of filter service life to give an initial warning (75%) that the filter element will shortly need replacing, and a final warning (100%) that a replacement filter element is needed. This helps accommodate filter changes into planned maintenance schedules.

The 'plug and play' transducer is designed to fit all standard Pall threaded indicator ports, regardless of filter age, for applications rated up to 450 bar.

- Provides a more automated, continuous method for monitoring filter service life
- Sudden changes in filter condition can help detect potentially damaging operating conditions, enabling the operator to take corrective action before failure occurs
- No manual on-site checking of filter status required
- Transducer thermal lockout (<20 °C) ignores signals received before normal operating temperature is reached, ensuring readings are relevant
- Available in a range of standard differential pressures to suit the Pall filter housing bypass setting the transducer is intended to be used with

New: RCA222 Series Differential Pressure Transducer Remaining Filter Service Life Indicator



RCA 222 Differential Pressure Transducer

Technical Information:

Maximum operating pressure:	450 bar
Pressure fatigue rating:	0-400-0 bar >1 x 10 ⁶
Proof pressure:	675 bar
Burst pressure (typical):	1100 bar
Number of cycles (Mechanical):	1 x 10 ⁵
Temperature at which actuation / reset remains in set range: $\pm 15\%$	-25°C(-13°F) to 85°C(185°F)
IP rating:	IP65 with mating connector to M12-5 to IEC 61076-2-1001 socket plug assembly.
Connector:	PA6, 6-M12-5 PIN to IEC 61076-2-101.

