

SMART FILTER

A filter that provides valuable performance feedback via the internet so you don't have to get your hands dirty.





Improve Uptime with Smarter Maintenance

- Decrease maintenance breakdowns by better understanding your machine's hydraulic system
- Smart Filter offers a range of hydraulic parameters that can be recorded and accessed through the cloud to monitor hydraulic system health
- Track system trends and receive maintenance alerts before critical problems occur



Tried & Tested

- Experienced manufacturer of custom manifolds and filter interfaces to fit many filter brands
- In-house design team ready to design and demonstrate a Smart Filter system for your application



Trusted Brands

- Custom Fluidpower can supply the Smart Filter with trusted brands such as Parker and Hydac filters
- As an independent supplier Custom Fluidpower can be your one stop shop for filter elements and spare parts



Ongoing Support

- Locations around Australia to provide local supply for your application
- Stocking a large range of product in Australia to keep delivery times low

SMART FILTER

- An Internet of Things (IoT) compatible filter
- Allows our customers the ability to monitor their hydraulic system health and predict major problems before they lead to costly downtime
- 'A single source of truth' for information relating to hydraulic system while minimising the chances of human error in recording data
- Can include Cloud connectivity and data packages for recording and storing hydraulic system data remotely if required

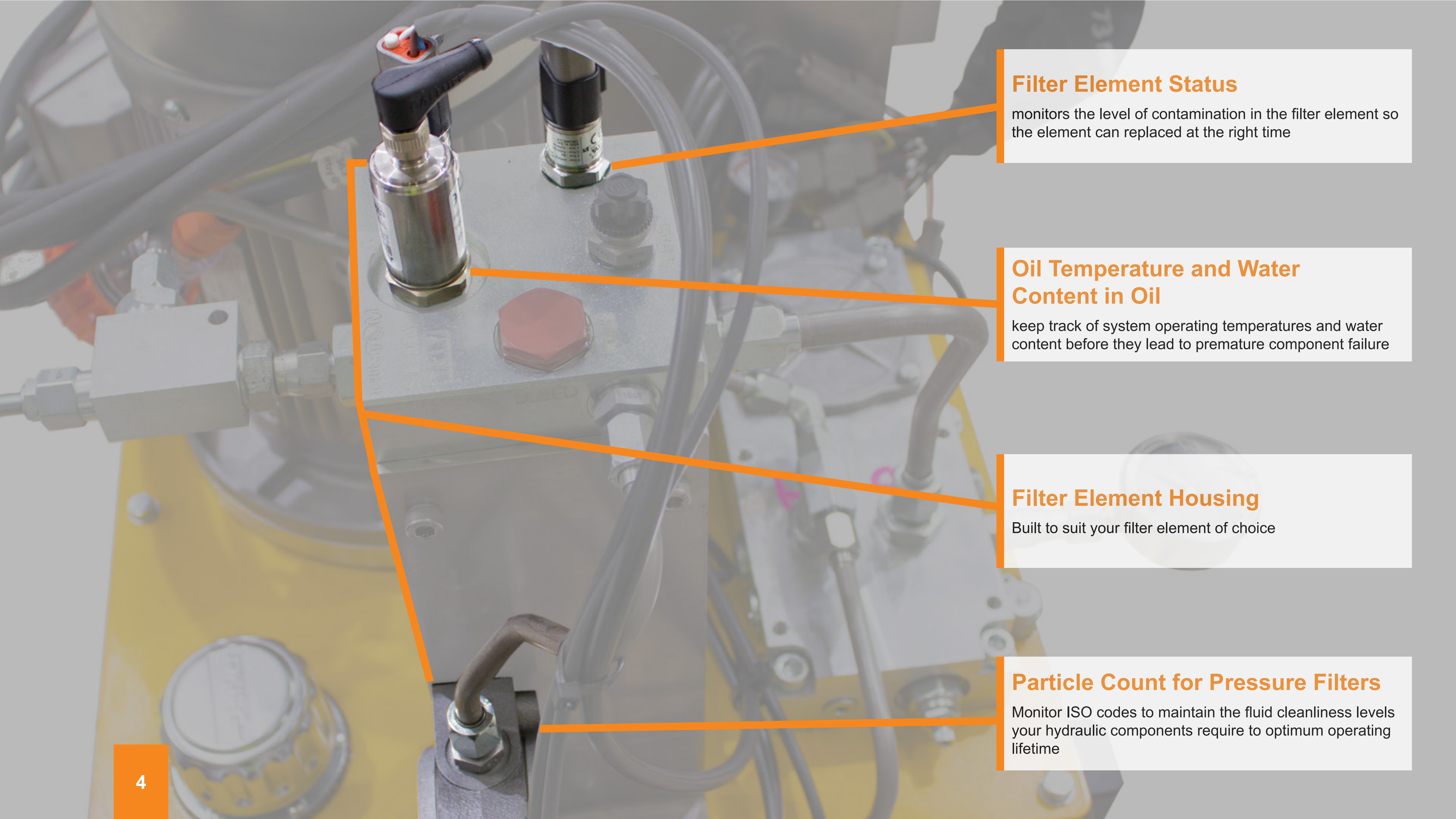
HOW IT WORKS

- By incorporating many of the standard sensors used to monitor hydraulic fluid condition into one compact unit, time and space is saved by only needing to install one filter unit to record data
- With the flexibility to design the filter to match your filter element of choice, the same consumable filter elements can be used that your system currently uses without the cost of making a change
- The Smart Filter measures:
 - » Filter element status
 - » Oil temperature
 - » Water Content in the Oil
 - » Particle Count in the Oil
 - * Upon request, extra measurements can be added

To see what measurements are available with your filter element of choice, please contact us to speak to one of our product experts.

APPLICATIONS

- Mining
- Mobile equipment
- Fixed Plant
- Manufacturing
- Resource processing
- **Any application where hydraulic system health is important to the customer**



Filter Element Status

monitors the level of contamination in the filter element so the element can be replaced at the right time

Oil Temperature and Water Content in Oil

keep track of system operating temperatures and water content before they lead to premature component failure

Filter Element Housing

Built to suit your filter element of choice

Particle Count for Pressure Filters

Monitor ISO codes to maintain the fluid cleanliness levels your hydraulic components require to optimum operating lifetime



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1300 781 178
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