

BROCHURE

Hydrogen-Sensor

Dynamic Ratings

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Innovative Valve Solution

Introducing a new valve solution which provides better oil flow for sensors. This heavy gauge stainless steel 'sensor well' allows oil flow to reach a sensor without the added pipe length and traditional valve obstructions that can cause a delay in sensor readings when conditions are changing.

Once installed, the rotating wet well allows a sensor to be installed or replaced without draining the tank and without taking the equipment out of service. The valves are easily adaptable to multiple types of sensors.

Faster Sensor Response

- Sensor is in closer proximity to internal conditions than external drain/fill valve installations.

Easy to Install

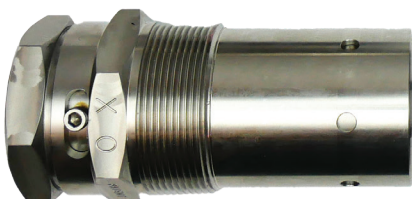
- Immediate and reliable installation.
- Virtually eliminates downtime associated with sensor replacement.

Adaptable

- Can be used with other manufacturer's sensor probes.

**SE-068****MAC-0079**

Weldment rings are welded onto the transformer tank to ensure the proper penetration into the tank. When installed with the proper weldment, the wet well sensor will protrude into the tank approximately 3-4cm.

**SE-069****MAC-0080****SE-071****MAC-0081**



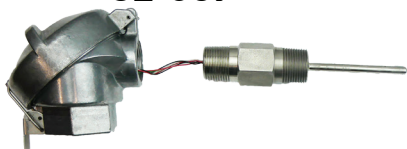
The locking set screw allows the rotation of the inner housing to open and close the valve. In the open position, the oil can freely flow past the sensor. In the closed position, the sensor is sealed off and the sensor can be safely removed. The wet well contains only a few ml of oil which can be easily captured when the sensor is removed.

The wet well valve can be used with a wide range of sensors. The most common are:

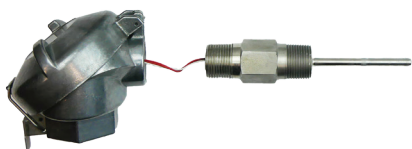
Temperature Sensors

When installed in the rotating wet well, temperature sensors provide a much more accurate reading than can be achieved with a sealed thermal well. The temperature sensors are available in a single (3 wire RTD) and a dual element (6 wires). When assembled, the RTD sensing element will align with the holes in the wet well ensuring optimum accuracy.

SE-067



SE-066



DGA Sensors

Solid state DGA sensors are available to detect fault gasses inside the transformer, providing early indication of problems. The SE-031 sensor fits into the 3/4" rotating wet well, providing oil flow to the sensor without the need for oil circulation pumps.

SE-039



SE-031

How To Order

SE-068	Rotating Wetwell 3/4" NPT Internal Thread, 1 1/4" External Thread. <i>Includes Weldment Plate (MAC-0079)</i>
SE-069	Rotating Wetwell 1 1/2" NPT Internal Thread, 2" External Thread – Short Length. <i>Includes Weldment Plate (MAC-0080)</i>
SE-071	Rotating Wetwell 1 1/2" NPT Internal Thread, 2" External Thread – Long Length. <i>Includes Weldment Plate (MAC-0081)</i>

Sensors For Use With 3/4" NPT Thread

SE-031	Hydrogen Key Gas DGA Sensor for In-Oil Applications
SE-066	PT-100 RTD - Single Element with Termination Head
SE-067	PT-100 RTD - Dual Element with Termination Head

Sensors For Use With 1 1/2" NPT Thread

SE-039	Hydrogen, Moisture and Pressure DGA Sensor for In-Oil Applications
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An ISO 9001, ISO 14001, ISO 27001, ISO 45001 Certified Company.

Americas
+1 262 746-1230
sales.us@dynamicratings.com

Asia Pacific
+61 3 8544-0700
sales.asia@dynamicratings.com

Europe/ Africa
+44 1617 681111
sales.eu@dynamicratings.com

www.dynamicratings.com

AKRIBIS - www.akribis.info - contacto@akribis.info

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