



APPLICATION SPOTLIGHT

Fluid Control System - Hydraulic Valve Testing



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APPLICATION:

The systems manufacturer is manufacturing test stands for hydraulic valves of varying sizes. The stands will test using light oil at flow rates between .5 and 55 GPM.

This unique pairing of sensor to meter allowed the customer to use one meter over the full .5 – 55 gpm range of his application and satisfy the European certification standards without using more than one meter or more than one supplier.

PRODUCT SUPPLIED:

- JVA-80KL Positive Displacement Gear Flow Meters
- IG03H Hall Effect Pulse Output Sensors

CHALLENGE:

The wide flow range required was making it difficult for the manufacturer to design a system using one flow meter for the entire range. In addition, because these test stands are for use in Europe, all the electronics needed CE approvals.

SOLUTION:

The solution developed by AW-Lake Company engineers included a positive displacement spur gear meter with a wide flow range. Our partnership with KEM-Kueppers gives us access to a wide range of electronics with European approvals to meet the needs of international customers. The sensor chosen was a Hall effect sensor, complete with CE approval.