

Fluid Control Systems— Hydraulic Valve Testing



CUSTOMER

Fluid Handling & Control System Manufacturer
Frankfort, Illinois

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.

CHALLENGE

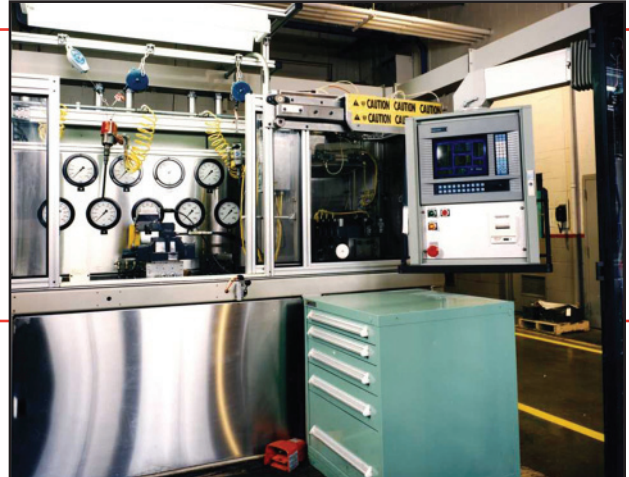
The wide flow range required was making it difficult for the manufacturer to design a system using one flow meter for the entire range. In addition, because these test stands are for use in Europe, all the electronics needed CE approvals.

SOLUTION

The solution developed by AW 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.

RESULTS

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.



AW products supplied:

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

“The technical knowledge of the sales staff helped me be able to have confidence that this was the right meter for the job. Thank you for all the support in finding a good solution”

