



Quick-ship orifice plate service

Daniel has strengthened the level of local service available to U.K. and European customers for orifice plates, spare parts, bore calculations and plate certification. This enhanced service based on direct customer feedback is designed to reduce the lead times and costs associated with key components needed to support existing metering assets.

Daniel provides a broad range of local services, including the supply of new orifice plates and associated components, and the recertification of existing plates.

A key component of this enhanced service is a local stock at Daniel Stirling, Scotland, of pilot bored plates, gaskets and seals, as well as pre-bored and bonded plates for quick turn-around availability. Local supply of fully bored orifice plates including verification and orifice bore calculations are also available.



Plate and component supply

Local availability includes 2" to 10" (1/4") CAT 500/510 orifice plates, gaskets, and plate seals, enabling a complete solution to be shipped within 1-2 weeks of receipt of order with an option for fast-track (24 - 48 hour) delivery. A process is also in place to extend local availability to more exotic materials and additional sizes as needed.

Bore calculations

Daniel can provide orifice bore calculations to ISO 5167 or AGA-3 standards, including plate deflection to suit individual customer needs.

Plate recertification

The Daniel Stirling calibration facility has been approved by the Department of Energy and Climate Change (DECC) for certification of Daniel orifice plates. Processes are in place to provide quick turn-around for plate recalibration and a "Hot Shot!" service is also available when existing plates are found to be outside the calibration standard. This premium service enables standard plates in sizes 2"-10" to be replaced within 24 - 48 hours.

Other optional services include onsite calibration of orifice plates and meter tubes using calibrated equipment traceable to international standards, in addition to complete onsite plate removal and installation service.

Factors contributing to increased measurement uncertainty

- Deformation of the plate. Largest measurement errors when deformity is in direction of flow
- Contamination / deposits on upstream face can cause significant measurement errors (>1.0%)
 - Compressor oil
 - Grease
 - Grease / oil mixtures
- Rounding of orifice plate edge
- Deposition in the pressure tappings
- Plate reversal
- Deposits in meter tube

Plate repair and seal rebonding

Daniel can repair and refurbish existing plates, while pre-bored, bonded plates are also available and ready for shipment as needed, allowing for immediate replacement of existing plates. Old plates can be returned to Daniel for refurbishment, recertification and restocking for future use.

We believe that such a service is highly beneficial in support of emergency maintenance schedules. Site contracts are also available and can be tailored to meet specific asset requirements.

Get started today

Daniel's highly trained certified technicians are located worldwide, providing you with service and support in more than 80 countries.

Our European regional office in the U.K. has been serving customers for over 35 years through a network of certified facilities and personnel, and continues to ensure the right resources, experience and skills are in place to deliver the highest quality customer support.

For a quotation customized to meet your particular service needs in Europe, please contact your Daniel Measurement and Control Sales and Service office as indicated below, or submit a service request online at daniel.com.

Keeping you at peak performance

Daniel is the world leader in custody transfer and fiscal flow measurement products, systems and services. We understand the importance of your flow metering measurement, and in an environment of volatile oil and gas prices, the financial risk due to measurement uncertainty is greater than ever before. That's why Daniel is committed to helping reduce your metering equipment uncertainty anytime and anywhere.

Our global reach, broad range of services and certified service specialists supported by over 75 years of oil and gas industry experience enable Daniel to support you for the life of your metering installations – and that's a certainty.

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