

PUMP TEST FACILITIES



Two large, state-of-the-art, acoustically attenuated, test facilities gives Calder the ability to conduct comprehensive testing prior to product despatch. Whether the pump package is supplied complete with a variable speed drive or is to be integrated into an existing drive/control system, the package can undergo extensive performance, noise and vibration testing.



TEST BAY 1 - 72 m²
• 7,360 x 9,830 x 4,960 (h) mm

- in-house VFD's up to 1,800 kW
- 50 Hz and 60 Hz power supply
- flow rates up to 250 m³/hr
- pressures up to 4,000 bar
- acoustic attenuation
- exhaust extraction for diesel engine testing
- high ambient temperature testing up to 50°C
- extensive viewing windows
- large access doors
- remote control station
- recycling of test water
- performance testing
- noise testing
- vibration testing

iStock



TEST BAY 2 - 178 m²
• 14,600 x 12,230 x 6,150 (h) mm

PUMP TEST FACILITIES

INNOVATION THROUGH EXPERIENCE

CALDER



In-house 500 kW and 1,800 kW VFDs

At the heart of the test facility are two variable frequency drives allowing units to be tested without need for the customer's VFD. A higher kW test can be performed using a customer supplied VFD.



Control Station

For the operation and monitoring of the units on test, and the control of the pumped medium.



Cooling Tank

Allows high-flow supply, recirculation and cooling of test water to eliminate wastage.



Control Valve

Regulates test pressure.

50 & 60 Hz Generators

In-house power generation up to 1,300 kVA.



UNITS ON TEST

| 55 kW Chemical Injection



| 850 kW HP Waste Injection



| 365 kW UHP Jetter (Diesel)



| 850 kW HV, HP MEG



Calder Ltd
Prescott Drive
Warndon
Worcester
WR4 9NE
United Kingdom

web: www.calderltd.com
email: sales@calder.co.uk
tel: +44 (0) 1905 751790

Calder Ltd reserve the right to alter specifications and data to incorporate improvements in design.