

# Perfection in Every Little Detail

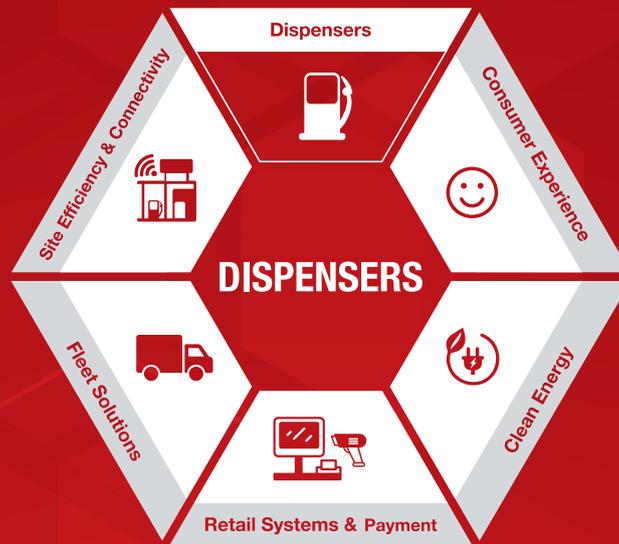
Tokheim Quantum® FS  
fuel dispenser



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# Compact, But Without Compromise

At Dover Fueling Solutions® (DFS), we are focused on quality through engineering excellence and leading through advanced fuelling technology. And there's a lot behind the scenes that goes into building a world-class product. So when we redesigned our dispenser range — enhancing it with the most advanced technology and globally-available componentry — we knew it had to be the very best, because that's what our customers deserve. We pay attention to every little detail, from its sophisticated design to its supreme accuracy and durability, so you have the confidence and assurance to grow your business.

Built on a legacy of engineering excellence — of durability, reliability and precision — and decades of hydraulic innovation, our dispensers utilise DFS' core platform of quality components to provide solutions that are proven to last longer, require less maintenance, offer reliable operation and deliver a low total cost of ownership (TCO) over their lifetime.

Introducing the Tokheim Quantum FS fuel dispenser, a small yet flexible and unbelievably powerful dispenser with a vast range of configuration possibilities. It is so efficient at its job you wouldn't even know it was there. Except it is. And it's exceptional.

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# Small, But Doing it in a Big Way

## Fuelling Flexibility

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With a wide range of options and configuration possibilities for dispensing conventional fuels as well as AdBlue® and liquefied petroleum gas (LPG), the Quantum FS fuel dispenser is truly flexible. Available as either a mono or duo model, the Quantum FS fuel dispenser can support a broad range of flow rates to suit any application, from heavy-duty vehicle refuelling to marinas, industrial applications or fuel retailing. The Quantum FS family of fuel dispensers offer unrivalled flexibility in a small footprint, but are packed with our leading technology to ensure powerful performance.

## Reliable Operation

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Engineered with field-proven and high-quality components, the Quantum FS fuel dispenser is built to last. Not only is this dispenser assembled with a strong framework and quality materials and treated with our industry-leading corrosion protection to provide our trusted Tokheim® quality, but it is packed with our leading hydraulic technology to give you unrivalled operation, day-in, day-out.

## Precise Performance

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Engineered with quality components, the Quantum FS fuel dispenser is built to last, with hydraulic technology that ensures superior nozzle availability in demanding daily use.

## Engineering Excellence

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At the core of the new Tokheim Quantum FS fuel dispenser is a set of high-quality components that provide long-lasting, reliable performance and less maintenance, resulting in a low TCO over its lifetime. This dispenser is a compact model that doesn't sacrifice functionality or compromise on performance. It's engineering excellence in every detail.



# Data Sheet / Tokheim Quantum FS fuel dispenser

Perfection in Every Little Detail.

## Fuel Compatibility

- Gasoline, Gasoline blends (up to 85% ethanol), Petroleum Diesel, Biodiesel (up to 100% bio content), Kerosene

## Model Availability

- Orientation: Island. Dual-sided or Single-sided
- Grades available: 1 or 2
- Nozzles available: 1 to 4
- Hydraulic system: Suction or Remote Pressure
- Hose Management: Hose Hook or Hose Mast
- Flow Rates\* available: 40, 40-70, 70, 130 or 180 lpm

## Hose Reach

- Hose Mast: 4 meter reach
- Hose Hook: 4 meter reach with standard hose length
- Optional longer hoses for longer reach available

## Electronics

- DFS iGEM 2.5 calculator

## Displays

- Premium 7-6-5 LED with 1.15" digits

## Totalisers

- Electromechanical 7-digit totalizers

## Communication Protocol

- IFSF as standard
- Other protocols available

## Metering

- Secure intelligent Pulser
- Electronic calibration
- Piston meter technology using P-Meter
- Optional Automatic Temperature Compensation (ATC) available

## Pumping Unit

- Gear pump technology using either RCPU or HCPU depending on configuration

## Filters

- External filter-pot as standard
- Choice of filters available

## Vapour Recovery

- Optional stage II vapour recovery (VR2) available
- EVR electronic VR2 system
- SC-EVR self-calibration electronic VR2 system

## Electrical

- 400V 50hz 3-phase
- Optional 220v 50hz single-phase available

## Branding

- Optional customized graphics

## Materials

- Painted hot dipped galvanised steel frame
- Painted hot dipped galvanised steel

## Corrosion Protection

- C4 protection according to ISO12944-2: 1998 as standard
- Optional C5 protection available

## Operating Temperature

- From -15°C to +55°C as standard (non ATEX)
- From -25°C to +55°C as standard ATEX)
- Optional low temperature kit option for extended temperature range -40°C to +60°C

## Relative Humidity

- From 5% to 95%

## IP Rating

- IP 54 electronic head

## Certifications

- ATEX, OIML, MID



\* Flow rates are indicative as actual flow rates depends on the underground fuel installation. Actual flow rates can vary +/- 10% from nominal flow rates

