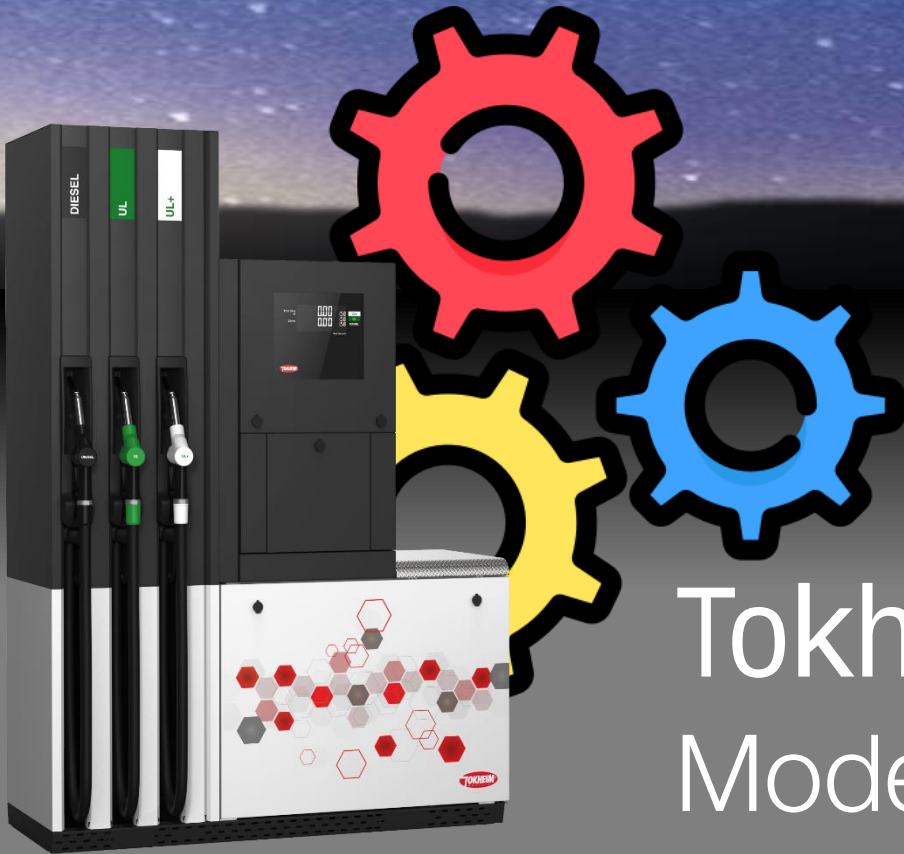




Tokheim Quantum ML Model Overview

OUR VALUES

Collaborative
entrepreneurial spirit

Winning
through customers

Engaging
in high ethical
standards, openness
and trust

Fostering
expectations for results

Respecting
and valuing people

OUR VISION

Enabling the evolution
of consumer experience
in fueling and
convenience retail.

WE
ARE

OUR MISSION

A leading global
provider of advanced
customer focused
technologies, services
and solutions in the
fuel and convenience
retail industries.



OUR CULTURE

A team committed to
doing great things,
collaborating to deliver
exceptional business
results for our
customers. We are
accountable, results
driven and create
value, through
innovation, continuous
improvement and
execution excellence.

CULTIVATING EXCELLENCE

ALIGNED

ACCOUNTABLE

ENGAGED

PROBLEM SOLVERS

**CUSTOMER
CENTRIC**

**CELEBRATORY IN
SUCCESS**

**EXECUTION
CHAMPIONS**

Tokheim fuel dispensers are known for quality in all core components, and are industry recognized for reliability, quality & low total cost of ownership

- **Minimal Meter Drift**

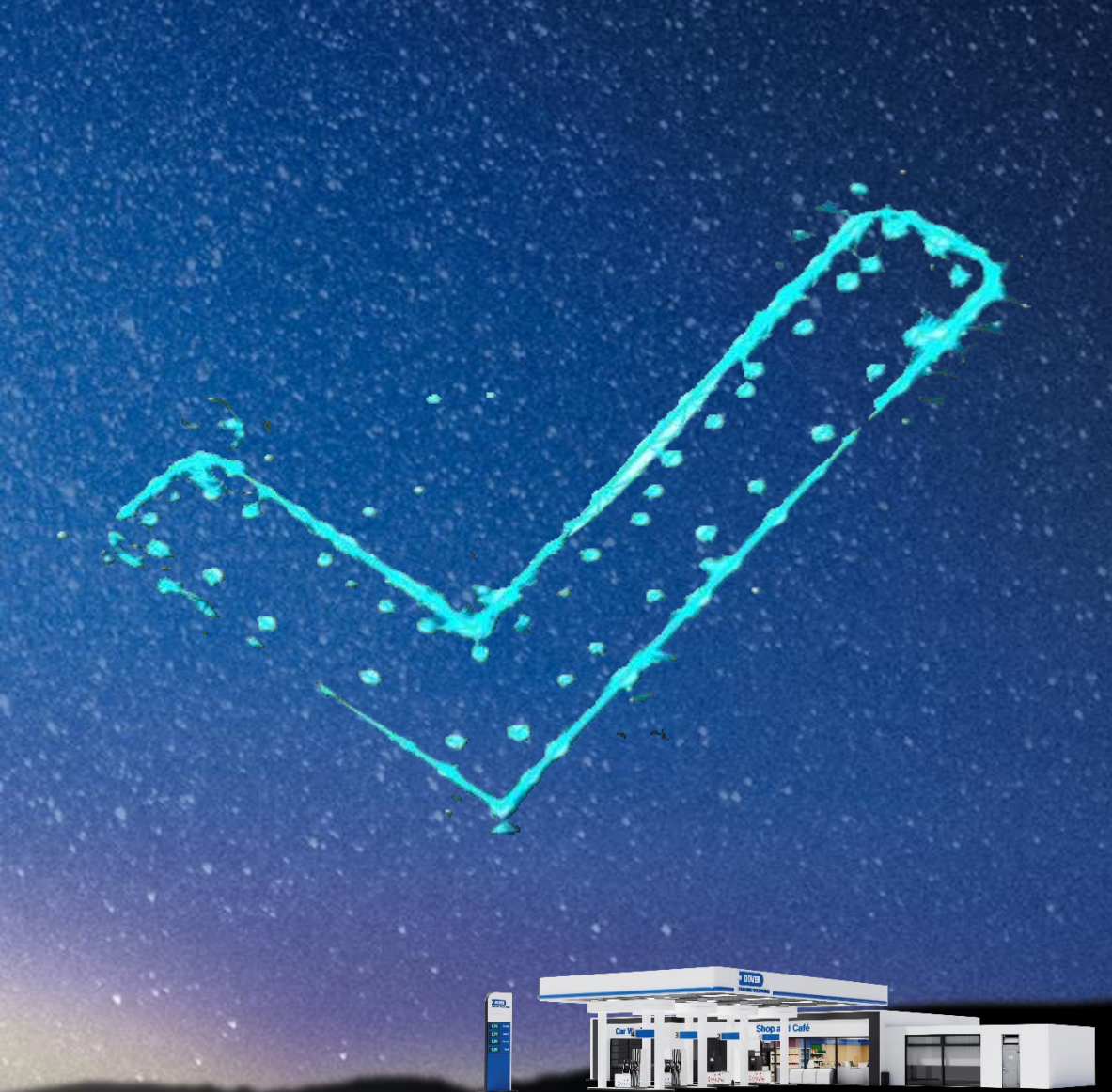
Certified accuracy and superior stability for minimal meter drift over the lifetime of the dispenser.

- **Reliable Quality**

Built to last, using quality materials and field-proven components, as well as utilizing strong corrosion protection, for a lifetime of reliability.

- **Lowest Total Cost of Ownership**

Engineered to maintain accuracy, requiring less maintenance and proven to last longer for low total cost of ownership.



Portfolio Overview

Portfolio Overview

TOKHEIM
QUALITY

DOVER
FUELING SOLUTIONS

Based on our global technology platform, Tokheim fuel dispensers are recognized for long-lasting quality, reliability and versatility, offering almost endless configuration possibilities to address your every need



Quantum ML
LHR



Quantum ML
FHR



Quantum ML
EHR



Quantum ML
AdBlue



Quantum ML
LPG



Quantum FS



Quantum FS
Screen wash



Quantum FS
AdBlue



Quantum FS
LPG

Model Overview

Tokheim Quantum ML – Model Overview



Tokheim quality with extensive modularity for up to five grades in shared hose cabinet and choice of hose retraction

Tokheim Quantum ML

- Orientation: Lane (Dual-sided or Single-sided)
- Hydraulic System: Suction or Remote Pressure
- Grades available: 1 to 5
- Nozzles available: 1 to 10
- Flow Rates available: 40, 40-70, 70, or 120 LPM
- Hose Reach: 4.0m with FHR, 3.5m with LHR
- Electronics: iGEM pump computer
- Metering: Piston Meter. Optional ATC
- Vapour Recovery: EVR or SC-EVR options
- Options: Extensive range of optional extras available
- Pump Media: 17” Digital screen for T-Media available
- Payment: Integrated payment options available

Model	Length	Width	Height
QML 1-X-1	920	600	2050
QML 2-X-2	1060	600	2050
QML 3-X-3	1440	600	2050
QML 4-X-4	1820	600	2050
QML 5-X-5	2200	600	2050

Tokheim Quantum ML – Model Configurations



Model Configurations (Standard Flow)

Quantum ML	Nomenclature	Model Characteristics	Q510M
1-1-1	1 Grade Out, 1 Nozzle, 1 Hose column	Lane orientation, single-sided. Single delivery 40. 1 SAT A/B (70LPM). 1 Inlet, 1 Hydraulic position	1-1-1
1-2-1	1 Grade Out, 2 Nozzles, 1 Hose column	Lane orientation, dual-sided. Dual delivery 40+40. 2 SAT A+B (70LPM). 1 Inlet, 1 Hydraulic position	1-2-1
2-2-2	2 Grades Out, 2 Nozzles, 2 Hose columns	Lane orientation, single-sided. Single delivery 40/40. 2 Inlets, 2 Hydraulic positions	2-2-2
2-4-2	2 Grades Out, 4 Nozzles, 2 Hose columns	Lane orientation, dual-sided. Dual delivery 40/40+40/40. 2 Inlets, 2 Hydraulic positions	2-4-2
3-3-3	3 Grades Out, 3 Nozzles, 3 Hose columns	Lane orientation, single-sided. Single delivery 40/40/40. 3 Inlets, 3 Hydraulic positions	3-3-3
3-6-3	3 Grades Out, 6 Nozzles, 3 Hose columns	Lane orientation, dual-sided. Dual delivery 40/40/40+40/40/40. 3 Inlets, 3 Hydraulic positions	3-6-3
4-4-4	4 Grades Out, 4 Nozzles, 4 Hose columns	Lane orientation, single-sided. Single delivery 40/40/40/40. 4 Inlets, 4 Hydraulic positions	4-4-4
4-8-4	4 Grades Out, 8 Nozzles, 4 Hose columns	Lane orientation, dual-sided. Dual delivery 40/40/40+40/40/40/40. 4 Inlets, 4 Hydraulic positions	4-8-4
5-5-5	5 Grades Out, 5 Nozzles, 5 Hose columns	Lane orientation, single-sided. Single delivery 40/40/40/40/40. 5 Inlets, Hydraulic positions	5-5-5
5-10-5	5 Grades Out, 10 Nozzles, 5 Hose columns	Lane orientation, dual-sided. Dual delivery 40/40/40/40+40/40/40/40/40. 5 Inlets, 5 Hydraulic positions	5-10-5

Retail Speed suction use retail capacity (RC) pumping unit

- High Speed (HS) 70 LPM is available as option (not special model config)
- High Speed 40-70 LPM switching is available as option (not special model config)

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

Model Configurations (Very High Speed Flow)

Quantum ML	Nomenclature	Model Characteristics	Q510M
1-1-1 1VHS-S	1 Grade Out, 1 Nozzle, 1 Hose column	Lane orientation, single-sided. Single delivery 130. 1 SAT A/B. 2 Inlets, 2 Hydraulic positions	1-1-1 VHS
1-2-1 1VHS-nS	1 Grade Out, 2 Nozzles, 1 Hose column	Lane orientation, dual-sided. Dual delivery 130*+130*. 2 SAT A+B. 2 Inlets, 2 Hydraulic positions	n/a
1-2-1 1VHS-S	1 Grade Out, 2 Nozzles, 1 Hose column	Lane orientation, dual-sided. Dual delivery 130+130. 2 SAT A+B. 2 Inlets, 2 Hydraulic positions	2-2-1
1-2-2 1VHS-S	1 Grade Out (1 shared), 2 Nozzles, 2 Hose columns	Lane orientation, single-sided. Single delivery 130/40. 2 Inlets, 2 Hydraulic positions	1-2-2 VHS
1-4-2 1VHS-nS	1 Grade Out (1 shared), 4 Nozzles, 2 Hose columns	Lane orientation, dual-sided. Dual delivery 130*/40+130*/40. 2 SAT A+B. 2 Inlets, 2 Hydraulic positions	n/a

Very High Speed applications will use combination of RC & HC pumping units

- 1VHS-S will deliver 130 LPM also when both sides are in use simultaneously
- 1VHS-nS will deliver 90 LPM when both sides are in use simultaneously, but 130 LPM when used singularly. 130* = non-simultaneously

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

Model Configurations (Very High Speed Flow)

Quantum ML	Nomenclature	Model Characteristics	Q510M
2-2-2 1VHS-S	2 Grades Out, 2 Nozzles, 2 Hose columns	Lane orientation, single-sided. Single delivery 130/40. 1 SAT A/B. 3 Inlets, 3 Hydraulic positions	n/a
2-4-2 2VHS-S	2 Grades Out, 4 Nozzles, 2 Hose columns	Lane orientation, dual-sided. Dual delivery 130/130+130/130. 2 SAT A+B. 4 Inlets, 4 Hydraulic positions	4-4-2 VHS
2-4-2 1VHS-nS	2 Grades Out, 4 Nozzles, 2 Hose columns	Lane orientation, dual-sided. Dual delivery 130*/40+130*/40. 2 SAT A+B. 3 Inlets, 3 Hydraulic positions	n/a
2-4-2 1VHS-S	2 Grades Out, 4 Nozzles, 2 Hose columns	Lane orientation, dual-sided. Dual delivery 130/40+130/40, 2 SAT A+B. 3 Inlets, 3 Hydraulic positions	3-4-2 VHS
2-3-3 1VHS-S	2 Grades Out (1 shared), 3 Nozzles, 3 Hose columns	Lane orientation, single-sided. Single delivery 130/40/40. 3 Inlets, 3 Hydraulic positions	n/a
2-6-3 1VHS-nS	2 Grades Out (1 shared), 6 Nozzles, 3 Hose columns	Lane orientation, dual-sided. Dual delivery 130*/40/40+130*/40/40. 3 Inlets, 3 Hydraulic positions	n/a
2-6-3 1VHS-S	2 Grades Out (1 shared), 6 Nozzles, 3 Hose columns	Lane orientation, dual-sided. Dual delivery 130/40/40+130/40/40. 3 Inlets, 3 Hydraulic positions	3-6-3 VHS

Very High Speed applications will use combination of RC & HC pumping units

- 1VHS-S will deliver 130 LPM also when both sides are in use simultaneously
- 1VHS-nS will deliver 90 LPM when both sides are in use simultaneously, but 130 LPM when used singularly. 130* = non-simultaneously

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

Model Configurations (Very High Speed Flow)

Quantum ML	Nomenclature	Model Characteristics	Q510M
3-3-3 1VHS-S	3 Grades Out, 3 Nozzles, 3 Hose columns	Lane orientation, single-sided. Single delivery 130/40/40. 1 SAT A/B. 4 Inlets, 4 Hydraulic positions	n/a
3-6-3 1VHS-nS	3 Grades Out, 6 Nozzles, 3 Hose columns	Lane orientation, dual-sided. Dual delivery 130*/40/40+130*/40/40. 2 SAT A+B. 4 Inlets, 4 Hydraulic positions	n/a
3-6-3 1VHS-S	3 Grades Out, 6 Nozzles, 3 Hose columns	Lane orientation, dual-sided. Dual delivery 130/40/40+130/40/40. 2 SAT A+B. 4 Inlets, 4 Hydraulic positions	4-6-3 VHS
3-4-4 1VHS-S	3 Grades Out (1 shared), 4 Nozzles, 4 Hose columns	Lane orientation, single-sided. Single delivery 130/40/40/40. 4 Inlets, 4 Hydraulic positions	n/a
3-8-4 VHS-nS	3 Grades Out (1 shared), 8 Nozzles, 4 Hose columns	Lane orientation, dual-sided. Dual delivery 130*/40/40/40+130*/40/40/40. 4 Inlets, 4 Hydraulic positions	n/a
3-8-4 1VHS-S	3 Grades Out (1 shared), 8 Nozzles, 4 Hose columns	Lane orientation, dual-sided. Dual delivery 130/40/40/40+130/40/40/40. 4 Inlets, 4 Hydraulic positions	4-8-4 VHS

Very High Speed applications will use combination of RC & HC pumping units

- 1VHS-S will deliver 130 LPM also when both sides are in use simultaneously
- 1VHS-nS will deliver 90 LPM when both sides are in use simultaneously, but 130 LPM when used singularly. 130* = non-simultaneously

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

Model Configurations (Very High Speed Flow)

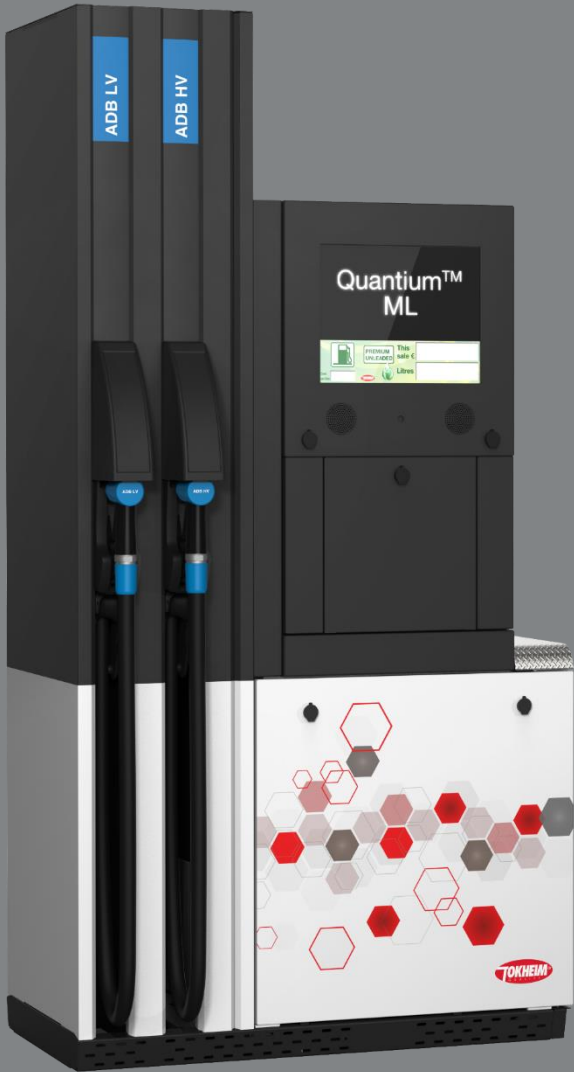
Quantum ML	Nomenclature	Model Characteristics	Q510M
4-4-4 1VHS-S	4 Grades Out, 4 Nozzles, 4 Hose columns	Lane orientation, single-sided. Single delivery 130/40/40/40. 1 SAT A/B. 5 Inlets, 5 Hydraulic positions	n/a
4-8-4 1VHS-nS	4 Grades Out, 8 Nozzles, 4 Hose columns	Lane orientation, dual-sided. Dual delivery 130*/40/40/40+130*/40/40/40. 2 SAT A+B. 5 Inlets, 5 Hydraulic positions	n/a
4-8-4 1VHS-S	4 Grades Out 8 Nozzles, 4 Hose columns	Lane orientation, dual-sided. Dual delivery 130/40/40/40/40+130/40/40/40. 2 SAT A+B. 5 Inlets, 5 Hydraulic positions	5-8-4 VHS
4-5-5 1VHS-S	4 Grades Out (1 shared), 5 Nozzles, 5 Hose columns	Lane orientation, single-sided. Single delivery 130/40/40/40/40. 5 Inlets, 5 Hydraulic positions	n/a
4-10-5 1VHS-nS	4 Grades Out (1 shared), 10 Nozzles, 5 Hose columns	Lane orientation, dual-sided. Dual delivery 130*/40/40/40/40+130*/40/40/40. 5 Inlets, 5 Hydraulic positions	n/a
4-10-5 1VHS-S	4 Grades Out (1 shared), 10 Nozzles, 5 Hose columns	Lane orientation, dual-sided. Dual delivery 130/40/40/40/40+130/40/40/40/40. 5 Inlets, 5 Hydraulic positions	5-10-5 VHS
5-5-4 1VHS-S	5 Grades Out, 5 Nozzles, 4 Hose columns	Lane orientation, Asymmetrical dual-sided. Dual delivery 40/40/40/40+130. 1 SAT A/B. 5 Inlets, 5 Hydraulic positions	5-5-4 VHS

Very High Speed applications will use combination of RC & HC pumping units

- 1VHS-S will deliver 130 LPM also when both sides are in use simultaneously
- 1VHS-nS will deliver 90 LPM when both sides are in use simultaneously, but 130 LPM when used singularly. 130* = non-simultaneously

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

Tokheim Quantum ML AdBlue – Model Overview



Tokheim quality for Adblue with true modularity for up to four nozzles in shared hose cabinet and choice of heating. Available as standalone or back-2-back



Available also as back-to-back

Tokheim Quantum ML AdBlue

- Orientation: Lane (Dual-sided or Single-sided)
- Hydraulic System: Remote Pressure (Suction not available)
- Grades available: 1
- Nozzles available: 1, 2 or 4
- Flow Rates available: LV 10 or HV 20 LPM
- Hose Reach: 4.0m with FHR (LHR not available)
- Electronics: iGEM pump computer
- Metering: Piston Meter
- Heating: ATEX heating (non-ATEX heating not available)
- Options: Extensive range of optional extras available
- Pump Media: 17” Digital screen for T-Media available
- Payment: Integrated payment options available

Model	Length	Width	Height
QML 1-X-1	920	600	2050
QML 2-X-2	1060	600	2050

Model Configurations AdBlue

Quantium ML	Nomenclature	Model Characteristics	Q510M
1-1-1 ADB	1 Grade Out, 1 Nozzle, 1 Hose column	Lane orientation, single-sided. Single delivery 20 ^{a)} . 1 Inlet, 1 Hydraulic position	1-1-1 ADB
1-2-1 ADB	1 Grade Out, 2 Nozzles, 1 Hose column	Lane orientation, dual-sided. Dual delivery 20 ^{a)} +20 ^{a)} . 1 Inlet, 1 Hydraulic position	1-2-1 ADB
1-2-2 ADB	1 Grade Out, 2 Nozzles, 2 Hose column	Lane orientation, single-sided. Dual delivery 20/10. 1 Inlet, 1 Hydraulic position	1-2-2 ADB
1-4-2 ADB	1 Grade Out , 4 Nozzles, 2 Hose columns	Lane orientation, dual-sided. Dual delivery 20/10+20/10. 1 Inlet, 1 Hydraulic position	1-4-2 ADB

AdBlue models

■ Available as standalone model or Back-2-Back for up to maximum of 10 nozzles

a) Flowrate either HV 20 LPM or LV 10 LPM

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

Tokheim Quantim ML LPG – Model Overview



Tokheim quality for LPG with true modularity available as standalone or back-2-back



Available also as back-to-back

Tokheim Quantim ML LPG			
Orientation: Lane (Dual-sided or Single-sided)			
Hydraulic System: Remote Pressure			
Grades available: 1			
Nozzles available: 1 or 2			
Flow Rates available: 50 LPM (max 25 bar)			
Hose Reach: 3.9m with hose retraction			
Electronics: iGEM pump computer			
Metering: GPL700 meter			
LPG options: Extensive range of optional extras available			
Options: Extensive range of optional extras available			
Pump Media: 17" Digital screen for T-Media available			
Payment: Integrated payment options available			

Model	Length	Width	Height
QML 1-X-1	1060	600	2050

DOVER
FUELING SOLUTIONS

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■ Available as standalone model or Back-2-Back for up to maximum of 10 nozzles

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

A Safe Investment for Years to Come

TOKHEIM
QUALITY

DOVER
FUELING SOLUTIONS



Trusted Tokheim quality delivered from a robust design using quality materials and best of the best components to ensure reliable performance for superior nozzle availability and low TCO

- Reliable electronics, exceptional metering stability for minimal drift and robust hydraulic system with field-proven gear pump technology and quality materials for excellent fluid compatibility delivering reliable performance for superior nozzle availability.
- A safe investment for years to come with future-proofing modularity and our durable design that benefits from field-proven components and corrosion resistant materials for a lifetime of reliable performance. Engineering excellence in every detail!



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