

TECHNICAL DATA SHEET

QH FLUIDCAST™ MAX CENTRALISED DIE LUBRICANT MIXING SYSTEM

The QH FLUIDCAST™ MAX is a centralised fully automatic die lubricant/water mixing system with PLC control for unprecedented stability of lubricant concentration and delivery to a large number of die casting lines.

The system is capable of delivering a maximum flow rate of up to 100 litres per minute, with constant delivery volume of 60 litres (15.8 gallons) of lubricant mixture per minute. The unit has a 50 litre discharge pressure tank, and a mixing tank holding 80 litres of premixed lubricant.

The QH FLUIDCAST™ MAX system batch mixes water and lubricant components and through use of real time turbidity measurement technology, ensures consistent mix composition to an accuracy level of 0.01%. The system is alarmed to ensure error free operation.

The system is PLC driven with HMI for quick and easy access to all settings and parameters. Data is logged for every shot made and available through the HMI, or can be uploaded or made accessible through networking systems.

QH FLUIDCAST™ MAX systems are ideally used in combination (two or more) to ensure uninterrupted supply of lubricant to the manufacturing plant. In such an arrangement the units are software linked and communicate with each other so that in the event of a shutdown (system fault or maintenance) continued supply of lubricant is maintained.

Benefits

- Accurate and repeatable lubricant concentration and delivery
- Logs key system parameters (e.g. dilution and pressure) for every shot
- 100 litres per minute peak flow rate, with continuous capacity of 60 litres (15.8 gallons) per minute
- Alarm system for low dilution and pressure
- Network connection via Ethernet
- User friendly 7" touch screen
- Designed for ease of maintenance – reducing process downtime
- Small batch mixing volumes minimizes potential for bacterial growth

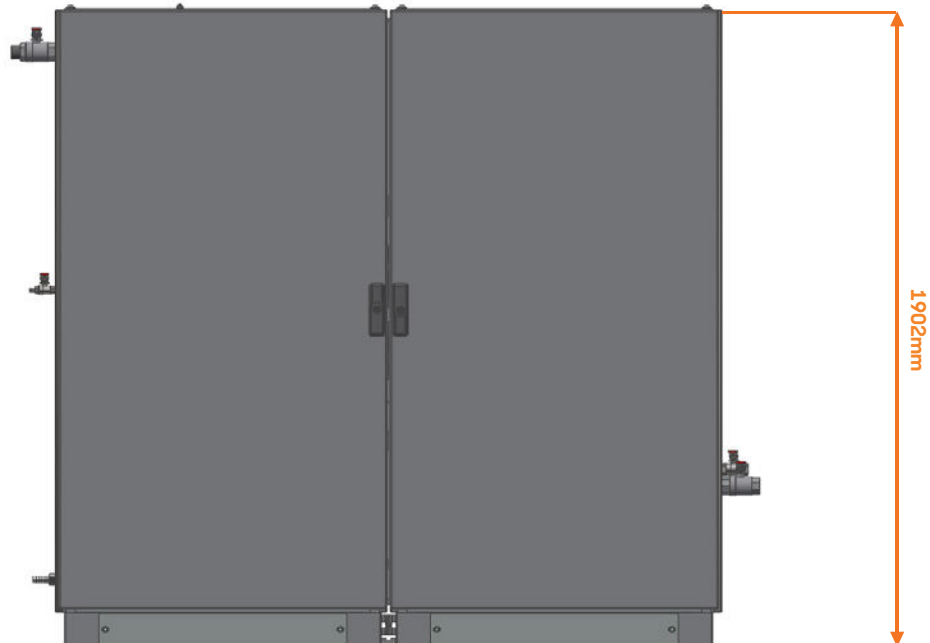
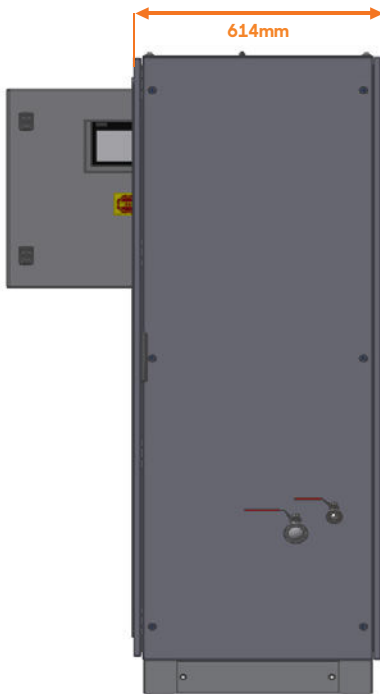
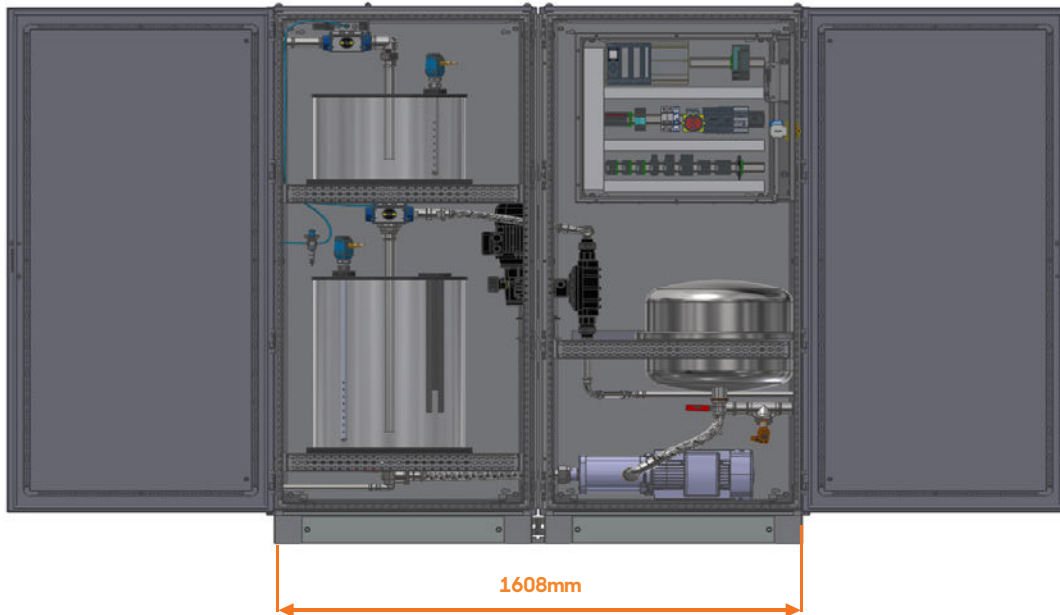
Properties

PROPERTY	VALUE
Description	Centralised die lubricant proportioner
Max delivered flow rate	60l/min (15.8 gallons)
Max pump pressure	7.5 bar (108,7 psi)
Number of machines supplied	Up to 8
HMI interface	Yes
Lubricant suitability	Water based
Dilution ratio range	1:20 to 1:300
Dilution control	Yes, constant monitoring
Dilution Accuracy	0.01%
Delivery line pressure	Yes
Data capture and display	Yes
Interlocked and alarmed	Yes



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