

# TECHNICAL DATA SHEET

## QH FLUIDCONTROL™ XMS

### FLUID MONITORING AND MANAGEMENT SYSTEM

QH FLUIDCONTROL™ XMS is a closed loop sampling and control system that manages the health of the process fluid by circulating it through an analysis module containing a series of latest-technology inline sensors to measure concentration, temperature, pH, and conductivity.

This Quaker Houghton engineered system consists of three main components:

**QH FLUIDCONTROL™ XMS:** The central monitoring and control unit which measures fluid pH, conductivity, concentration, and temperature. It records measurements to enable fluid analysis, maintenance and control, and performance optimization.

**TOPUP MODULE:** This is an automatic concentration and level control unit that can add fresh fluid at high and low concentrations as necessary to accurately maintain the fluid within the set operating parameters.

**CLEAN-IN-PLACE (OPTIONAL):** For harsh or dirty operating environments where the fluid has a higher level of contaminants and tramp oils, this additional CIP option ensures the cleanliness and reliability of the sensors by regularly cleaning the sensors using a dedicated cleaning chemical.

### Applications

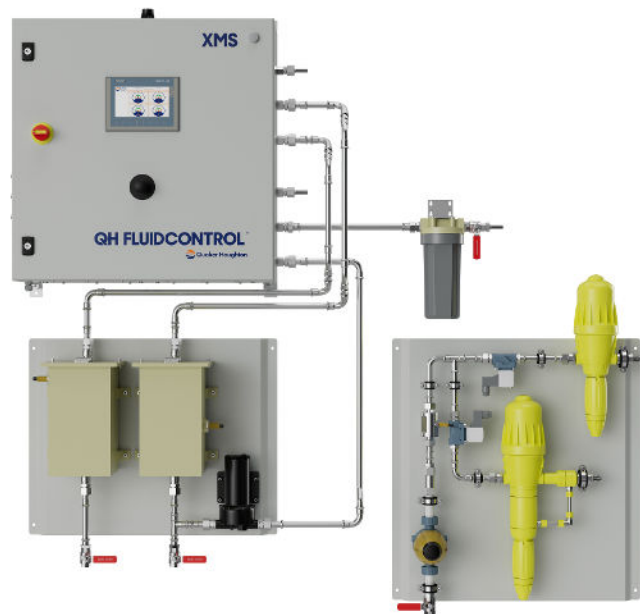
QH FLUIDCONTROL™ XMS can monitor and control water dilutable coolants, stamping fluids, quenchant, HFA and HFC hydraulic fluids.

### Options

- Mounting stand for easier installation
- Additional pre-filtration stages for sample preparation:
  - Tramp Oil Separator
  - Magnetic Chip Detector for ferrous metals

### The Benefits

- Total continuous fluid quality control
- Uniform concentration control means longer tool life
- Reduced fluid cost
- Reduced manpower for lab testing and concentration control
- Fewer sump side additives
- Reduced maintenance cost and increased process up-time
- Minimized waste treatment



# QH FLUIDCONTROL™ XMS

## FLUID MONITOR AND CONTROL SYSTEM

### Properties and Specifications

PROPERTY	TYPICAL VALUE	UNIT
Power supply	100 - 240 50 - 60 4.9 max.	VAC Hz A
Concentration	0 - 33.5	BRIX
pH	0 - 14	
Conductivity	0 - 10000	µS
Temperature	10 - 40   50 - 104	°C   °F
Tank Level	0 - 3.8	m
Process Fluid Inlet	2 - 5.5   29 - 80	Bar   psi
Pre-filtration	20	micron
Water Inlet	2 - 5.5   29 - 80	Bar   psi
Water Type	Towns or RO	
Concentration Accuracy	±0.5	%
TOPUP Concentration	1 - 25	%
Max. TOPUP Flowrate*	2000   528	lph   gph
Connections (BSP or NPT):		
Process Fluid Inlet	½	inches
Process Fluid Return	½	
Water Inlet	¾	
TOPUP Inlet	¾	
Weight:		
QH FLUIDCONTROL™ XMS	63.2   139	Kg   lb
TOPUP	20.6   45.6	
CIP	16.4   36	
Dimensions		
QH FLUIDCONTROL™ XMS	760 x 760 x 300	mm
	30 x 30 x 12	inch
TOPUP	760 x 708 x 250	mm
	30 x 28 x 10	inch
CIP	760 x 1025 x 238	mm
	30 x 40.4 x 9.4	inch

\* Subject to water supply pressure

FEATURE	AVAILABILITY
HMI Interface	Yes
Data Capture and Display	Yes
QH FLUIDTREND™ Connectivity and Technical Remote Support	Yes via LAN/4G network connection

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