CHANDLER ENGINEERING

Quizix®

QUIZIX SERIES PRECISION METERING PUMPS

High Precision in a Compact Design

Quizix QX series pumps deliver unparalleled accuracy and repeatability with superior pulseless metering that is critical for so many of today's production and research environments. QX Series pumps are ideal for benchtop applications where accurate delivery or precise control of pressure are required. Based on an advanced design that includes an innovative valve technology and two independently controlled motor-driven pistons, our pumps set new standards in continuous, pulse-free operation. The QX Series exemplifies what you should demand from a pump: Nothing short of premier performance and an unprecedented array of features and functionality.

Six models in the QX family provide a wide range of flow and pressure capabilities. These pumps can handle virtually any fluid, gas, slurry or paste. Multiple configurations are available for wetted materials, seals, valve and plumbing packages to meet varying application requirements.

Operational Simplicity

Control of our QX series pumps is accomplished with our PumpWorks™ software for Windows. With 12 primary modes of operation for flow, pressure or volume dispensing, and an intuitive computer interface, operating your pump is easy to set up and understand. Operating modes include paired constant flow, paired constant pressure, independent flow or pressure, in receive or deliver modes. Also included are ramping by time, pressure, flow or volume. The sequencer function provides a method to automate your pump and to perform specific tasks at specific times or when specific parameters are met. PumpWorks provides data logging and graphing of all pump parameters and each pump allows for the connection of up to 3 external devices that can be used to control the pump or simply data log their outputs. PumpWorks easily interfaces to other DAC programs via an embedded OPC server.

FEATURES

✔ Small footprint with dual cylinders in a compact design

✔ Pulse-free flow at all rates and pressures

✔ Deliver, receive or recirculate fluids

✔ Control pump based upon time, pressure, rate, fluid volume or sequenced events

✔ Stainless Steel or HASTELLOY® wetted parts

AMETEK®

Quizix QX Series

Engineering Excellence for Long-term Performance

Chandler Engineering builds durability and reliability into every Quizix pump. The patented valve design provides pulse-free delivery and eliminates maintenance issues associated with other valves ensuring flawless operation for years. The long-wearing piston seals are readily accessible and easy to replace if needed.

Specifications

QX Precision Metering Pumps					
Pump Type	Maximum Pressure	Maximum Flow Rate *	Cylinder Stroke Volume	Minimum Flow Rate	Options
QX-500	500 psi 3.4 MPa	500 mL/min 30 L/hr	137 mL	0.100 mL/min 6 mL/hr	SS or HC AT
QX-1500	1,500 psi 10 MPa	200 mL/min 12 L/hr	49 mL	0.050 mL/min 3 mL/hr	SS or HC AT
QX-3000	3,000 psi 20.6 MPa	100 mL/min 6.0 L/hr	24 mL	0.005 mL/min 0.30 mL/hr	S or HC AT
QX-6000	6,000 psi 41 MPa	50 mL/min 3.0 L/hr	12.3 mL	0.001 mL/min 0.06 mL/hr	SS or HC AT
QX-10K	10,000 psi 68.9 MPa	30 mL/min 1.8 L/hr	7.5 mL	0.0005 mL/min 0.03 mL/hr	SS or HC AT
QX-20K	20,000 psi 138 MPa	7.5 mL/min 450 L/hr	3.5 mL	0.0001 mL/min 0.006 mL/hr	SS or HC AT

SS: wetted parts in 316SST | HC: wetted parts in HASTELLOY® C-276 | AT: ambient temperature 0-50˚C

Utilities

House Air
85 - 115 psi / 586 - 793 kPa, clean and dry

Power Supply
85 - 264 VAC, 50/60 Hz, 200 kVA

Physical Dimensions

Dimensions (W x D x H):
7.5 in. x 11.8 in. x 19 in. / 19 cm x 30 cm x 48 cm

Weight:
35 lb / 16 kg

Scan the below QR Code wth your phone to view product information on our Website.

Manufacturer's specifications subject to change without notice

AMETEK®
CHANDLER ENGINEERING

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