Quizix™ Q6000

PRECISION METERING PUMPS

The Largest Pumps For Pulse-free Applications

Quizix Q6000 Precision Metering Pumps are manufactured by Chandler Engineering and designed for applications that require higher rates of pulse-free pumping. These pumps are used in larger scale flow applications and can pump at a constant rate or maintaining a constant pressure. The Q6000 can also be used to provide a constant differential pressure by using inputs from remote pressure transducers.

These pumps were developed specifically for fluid delivery and fluid pressure control applications in core flow analysis. However, Quizix pumps have satisfied the requirements of many other laboratory and science applications. These pumps are also used in PVT applications where precision pulse-free flow or volume measurements are critical.

The different models of the Q6000 cover a wide range of pressure capabilities and flow rates. These pumps are supplied as either a single pump cylinder or as systems containing up to eight pump cylinders. Single cylinders deliver or receive a fluid for pressure control or in intermittent flow applications. A dual cylinder pump provides continuous pulse-free pumping.

Operational Simplicity

The Q6000 pumps are very easy to operate. PumpWorks™ is a user-friendly software package that provides complete control over any Quizix pump. This easy-to-use interface indicates the detailed status of each pump cylinder including its piston positions and direction, valve positions, flow rate, pressure, cylinder volume and cumulative volume pumped.

FEATURES

- ✓ *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*
- ✓ *Operational simplicity via PumpWorks™ software*
- ✓ *Systems can control up to eight pump cylinders*
- ✓ *High temperature option to 320˚F / 160˚C*
- ✓ *Stainless steel or HASTELLOY® wetted parts*

AMETEK® OIL & GAS

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Pumps can be programmed to deliver a specified amount of fluid or operate for a specified period of time and then repeat the cycle as many times as desired. The programming allows for unattended operation of the Quizix pumps. All measured information on the pump can be logged and easily exported for graphing and analysis.

One of the unique features of the Q6000 is the ability to keep the fluid heated when circulating fluids. This high temperature option allows the entire pump barrel to be inserted into an oven assembly where its temperature can be maintained up to 320˚F / 160˚C.

Engineering Excellence for Long-term Performance

Chandler Engineering builds durability and reliability into every Quizix pump. The unique design and technology built into each pump eliminates maintenance issues. The long-wearing piston seals are readily accessible and easy to replace if needed. Chandler Engineering also provides worldwide service for maintaining pump performance.

Specifications

Q6000 Precision Metering Pumps					
Model	**Maximum Pressure**	**MaximumFlow Rate**	**Cylinder Stroke Volume**	**Minimum Flow Rate**	**Options**
Q6000-5K	5,000 psi 34 MPa	400 mL/min 24,000 mL/hr	550 mL	0.001 mL/min 0.06 mL/hr	SS or HC HT
Q6000-10K	10,000 psi 70 MPa	200 mL/min 12,000 mL/hr	275 mL	0.0005 mL/min 0.03 mL/hr	SS or HC HT
Q6000-20K	20,000 psi 138 MPa	80 mL/min 4,800 mL/hr	125 mL	0.00025 mL/min 0.015 mL/hr	HC HT
Notes: **SS:** Wetted components may be ordered in stainless steel 316 **HC:** Wetted parts may be ordered in HASTELLOY® C-276 **HT:** Available with high temperature option for heating fluid ends up to 320˚F / 160˚C					

Computer required to run PumpWorks™ pump control software.

Utilities

Air
65 - 100 psi / 450 - 690 kPa, clean and dry

Power
120/240 VAC, 50/60 Hz

Manufacturer's specifications subject to change without notice

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