



Quizix®

QUIZIX Q6000 SERIES 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 pumping systems are very easy to operate. PumpWorks™ is a user-friendly software package that provides complete control over any Quizix system. 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
- ✓ System can control up to eight pump cylinders
- ✓ High temperature option to 545°F / 285°C
- ✓ Stainless steel or HASTELLOY® wetted parts

Quizix Q6000 Series

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 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 series 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 545°F / 285°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					
Pump Type	Maximum Pressure	Maximum Flow Rate	Cylinder Stroke Volume	Minimum Flow Rate	Options
Q6000-5K	5,000 psi 34 MPa	400 mL/min 24,000 mL/hr	550 mL	0.002 mL/min 0.12 mL/hr	SS or HC, AT or HT or EHT
Q6000-10K	10,000 psi 70 MPa	200 mL/min 12,000 mL/hr	275 mL	0.001 mL/min 0.06 mL/hr	SS or HC, AT or HT or EHT
Q6000-20K	20,000 psi 138 MPa	100 mL/min 6,000 mL/hr	125 mL	0.0006 mL/min 0.036 mL/hr	17-4 or HC, AT or HT
Q6000-30K	30,000 psi 206.8 MPa	75 mL/min 4,500 mL/hr	65 mL	0.0004 mL/min 0.024 mL/hr	A286 I725, AT

SS: wetted parts in 316SST | HC: wetted parts in HASTELLOY® C-276 | AT: ambient temperature 0-50°C | HT: high temperature 50-165°C
EHT: extra high temperature 50-285°C | 17-4: wetted parts in 17-4 PH SST | A286: wetted parts in A286 SST
Q5000 pumps are available in ultra-low-flow configurations for tight rock and sub-microliter flow rate applications

Computer required for 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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