

Quattroflow[®] QF10k

New Multiple-Use
Pump Size Available



With a maximum flow rate of 10,000 lph, the new Quattroflow[®] QF10k pump fills the gap between the existing QF4400 (max. 5,000 lph) and the QF20k (max. 20,000 lph) pump sizes.

The complete Quattroflow[®] Multiple-Use pump range covers a flow capacity between 1 and 20,000 lph with six pump sizes now available — the right Quattroflow pump for all applications.

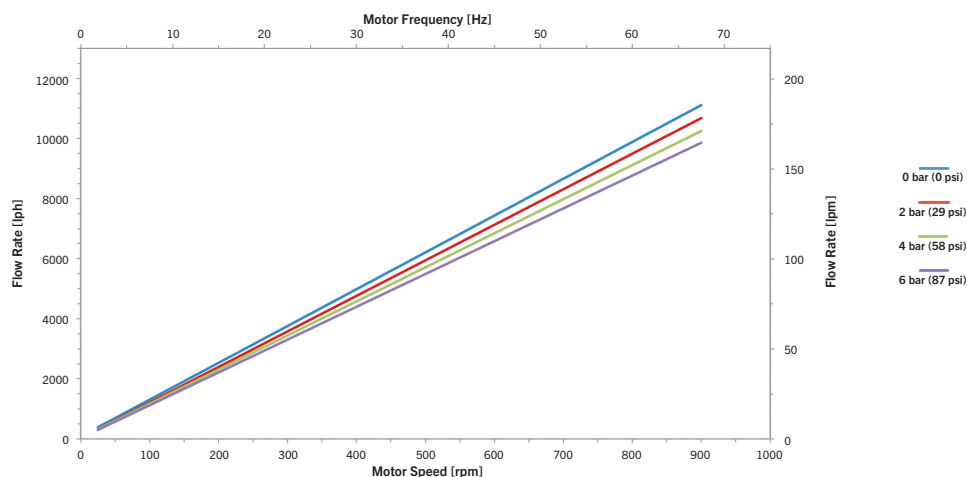
Quattroflow[®] has extended the Multiple-Use product line of Quaternary (Four-Piston) Diaphragm Pumps with the new QF10k size pump.

FEATURES

- New stainless steel pump chamber design (patent pending)
- Excellent drainability to maximize product recovery
- 20:1 turn-down ratio
- Linear flow performance
- 500 – 10,000 lph flow range, max 6 bar (87 psi)
- High flow stability even at low flow rates
- Clean-In-Place/Steaming-In-Place (CIP/SIP) and autoclavability
- Available accessories: Control box, power box, diaphragm sensor, PID pressure controller
- Typical applications include: Chromatography and cross-flow filter systems

Flow Rate Maximum:	
Eccentric Shaft 6°	10,000 lph (167 lpm)
Flow Rate Minimum:	
Eccentric Shaft 6°	500 lph (8.3 lpm)
Pressure:	
Temperature of Fluid < 40° C (104° F)	6 bar (87 psi)
Temperature of Fluid > 40° C (104° F)	4 bar (58 psi)
Maximum Temperature:	
Fluid	80° C (176° F)
CIP	90° C (194° F)
SIP	130° C (260° F)
Autoclave	130° C (260° F)
Pump Speed Range:	
rpm	50 - 900
Suction Lift Dry at 1800 rpm:	
Eccentric Shaft 6°	4 - 4.5 m (13.1-14.7 ft)
Volume Specifications:	
Approximated Volume per Revolution at Free Output	194 ml
Approximated Filling Volume Without Connectors	1,300 ml
Connection Specification (Standard):	
Connectors	2" TC
Position of Connectors	Front

Product Wetted Materials (Standard):	
Pump Chamber	SS316L
Valve Plate	SS316L
Diaphragms	TPE
Valves	EPDM
O-rings	EPDM
Certificates/Proofs (Optional):	
Elastomer (product wetted)	USP <88> Cl. VI; FDA21CFR177; BSE/TSE Safe
Stainless Steel Parts (product wetted)	3.1; Surface Roughness; Ferrite Content
Motor:	
Rated speed @ 50Hz	2,894 min-1
Voltage	230/400 V
Power	3.0 kW
Gear	4.32:1
Pump Dimension with Motor and Housing:	
Length	1,155 mm (45.48")
Width	437 mm (17.20")
Height	430 mm (16.93")
Pump Weight with Motor and Housing:	
	185 kg (408 lb.)



DESIGN FOR LIFE



WARNING: The customer is solely responsible for determining the necessary or most suitable product or service for any particular use case or application. All such risks are assumed by the customer. Specifications subject to change without notice.
WARRANTY: For product warranty information, please contact: info@cpc-bio.com or +1 800-519-7633.
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CPC BIOTECH
 2820 Cleveland Ave. N.
 Roseville, MN 55113
 Phone: +1 800-519-7633
 Email: info@cpc-bio.com

cpc-bio.com