

QF30SU

SINGLE-USE PUMP FOR LOW FLOW RATES



DEVELOPED FOR LOWER FLOW RATES IN SINGLE-USE APPLICATIONS

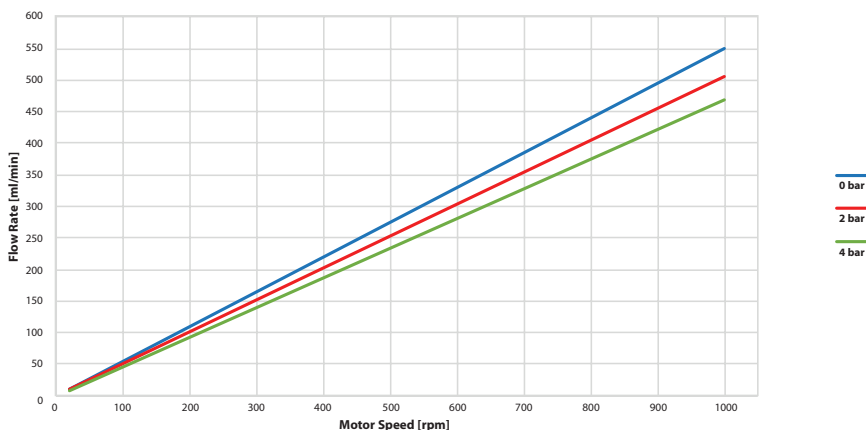
THE QF30SU OFFERS THE FOLLOWING MAIN FEATURES AND BENEFITS:

- Disposable pump chamber with tool-free installation
- Retrofittable on QF150 drives
- 500:1 turn-down ratio
- Linear flow performance
- 0.06 – 30 lph flow range, max. 4 bar (58 psi)
- Typical applications include: Chromatography, TFF and virus filtration

Quattroflow develops and manufactures, in close cooperation with its customers, four-piston diaphragm pumps for critical applications in the biopharmaceutical industry. The method of operation of Quattroflow pumps allows them to gently, safely and securely convey aqueous solutions and biological products that are sensitive to shear force. The design does not feature a mechanical shaft seal or wetted rotating parts, ensuring total product containment without abrasion. Additionally, the pumping principle enables risk-free dry-running, low pulsation, self priming, and minimal particle generation.

Flow Rate Maximum:	
Eccentric Shaft 3°	30 lph (500 mlpm)
Flow Rate Minimum:	
Eccentric Shaft 3°	0.06 lph (1 mlpm)
Pressure:	
Temperature of Fluid < 40° C (104° F)	4 bar (58 psi)
Temperature of Fluid > 40° C (104° F)	4 bar (58 psi)
Maximum Temperature:	
Fluid	60°C (140°F)
Pump Speed Range:	
rpm	1 - 1,000
Suction Lift Dry:	
Eccentric Shaft 3°	1 m (3.28.ft)
Volume Specifications:	
Approximated Volume per Revolution at Free Output	0.55 ml
Approximated Filling Volume Without Connectors	9.65 ml
Connection Specification (Standard):	
Connectors	Hosebarb 4 mm
Position of Connectors	Front

Product Wetted Materials (Standard):	
Pump Chamber	PP
Valve Plate	PP
Diaphragms	TPE
Valves	EPDM
O-rings	EPDM
Certificates/Proofs (Optional):	
Elastomer (product wetted)	USP <88> Cl. VI; FDA21CFR177; BSE/TSE Safe
Motor:	
Type	Brushless
Voltage	230V (110V option)
Power	90 W
Pump Dimension with Motor and Housing:	
Length	275 mm (10.83")
Width	164 mm (6.46")
Height	185 mm (7.28")
Pump Weight with Motor and Housing:	
	9 kg (20 lb)



Authorized PSG® Partner:



PSG Germany GmbH | Quattroflow
 Hochstraße 150-152
 47228 Duisburg, Germany
 Tel: +49 (2065) 89205-0
 Fax: +49 (2065) 89205-40
 biotech@psgdover.com
psgdover.com/quattroflow