

# 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:

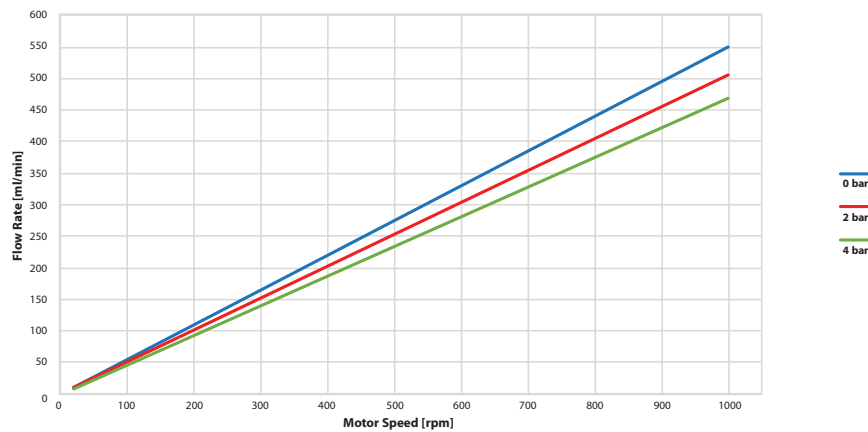
- Disposable pump chamber with tool-free installation
- Retrofittable on QF150 drives
- 500:1 turn-down ratio
- Linear flow performance
- 0.06 – 30 lph flow range, max. 4 bar (58 psi)
- Typical applications include: Chromatography, TFF and virus filtration



*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.*

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

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