

QuattroflowTM QF20kSU

Single-Use Pump for High Flow Rates

The Single-Use Advantage

Quattroflow Single-Use pumps have a disposable product-wetted chamber constructed of solid polypropylene (PP) that can be replaced as a complete unit. The simple disposability of the pump chamber saves time and money by eliminating cleaning validation, sterilization and product cross-contamination. Single-Use pumps are critical to reduce equipment turnaround times in the development of biosimilar processes. In general, multi-product facilities are the typical field of application of the Single-Use pumps (e.g. process development, production of clinical reference samples, contract manufacturing).

Single-Use Quaternary Diaphragm Pumps

The Quattroflow Single-Use pumps are self-priming and can be run dry. Inside the pump chamber, there are no rotating parts that are subject to friction that might cause particle generation and/or product modification/degradation due to heat generation. A Single-Use pump chamber can be replaced and ready for a new batch in a few minutes. An exchange kit is available to retrofit a Multi-Use pump into a Single-Use pump.

Features & Benefits

- Assembled under controlled and clean conditions
- Gamma irradiation possible

Flow rate: 1,000 – 16,000 lph
(16.7 – 267 lpm)

Maximum pressure: 4 bar (58 psi)

Connections: 2" TC, front

Motor: 400V, 3-phase

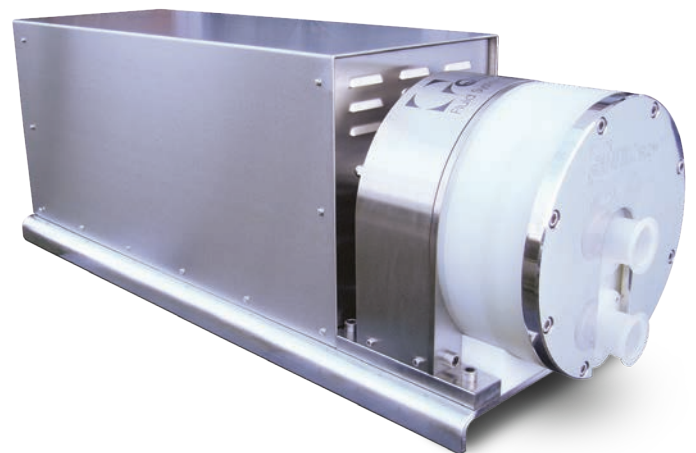
Materials

- **Pump chamber:** Polypropylene
- **Valve plate:** Polypropylene
- **Diaphragms:** TPE
- **Valves:** EPDM, 316L
- **O-rings:** EPDM

QF20kSU

Single-Use
Quaternary Pumps

Developed
for Higher Flow Rates
in Single-Use
Applications



QF20kSU

ALMATEC Maschinenbau GmbH
Hochstraße 150-152
47228 Duisburg, Germany
Tel: +49 (2065) 89205-0 • Fax: +49 (2065) 89205-40
info@almatec.de
quattroflow.com