

# QF2500HT

## COMPACT WITH HIGH TURNDOWN RATIO

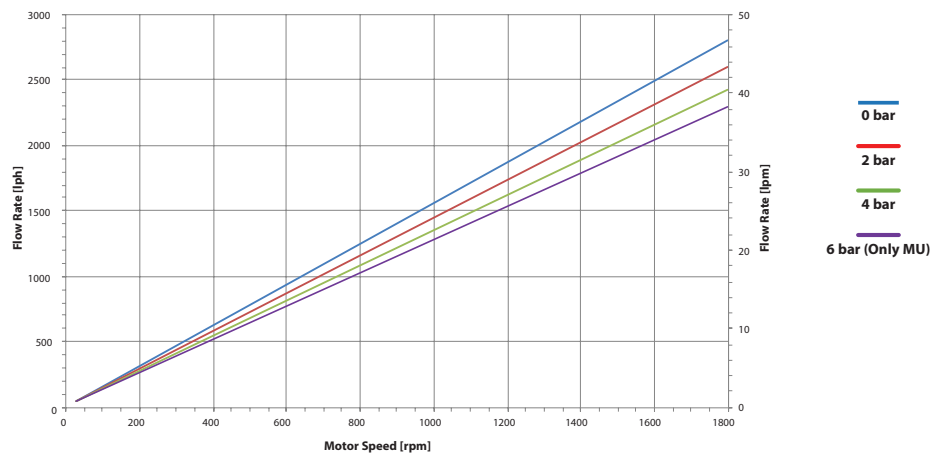


### THE QF2500HT OFFERS THE FOLLOWING FEATURES AND BENEFITS:

- "All-in-One" technology; integration of pump chamber, pump drive, motor, controller and pump housing into one unit
- Extended turndown ratio for a wider range of flow rates than the standard QF2500 model with optimal linearity
- High accuracy in controlling flow rates
- Compact design
- Keypad for manual control and display of motor speed
- Easy "Plug and Play" installation and startup with one power cable
- Three phase 400 V power supply
- Available as Multiple-Use (pump chamber SS316L) and Single-Use (machined polypropylene)
- Clean-In-Place/Steaming-In-Place (CIP/SIP) and autoclavable for Multiple-Use models
- Self-draining design
- High flow stability even at low flow rates
- Typical applications include: Chromatography, TFF, virus filtration, sterile filtration, depth filtration
- For further automated control functions, the QF2500HT is also available in the Q-Control version

Model Pump Type	QF2500S-HT Multiple-Use	QF2500SU-HT Single-Use
<b>Flow Rate Maximum:</b>		
Eccentric Shaft 5°	2,500 lph (41 lpm)	2,500 lph (41 lpm)
<b>Flow Rate Minimum:</b>		
Eccentric Shaft 5°	25 lph (0.41 lpm)	25 lph (0.41 lpm)
<b>Pressure:</b>		
Temperature of Fluid < 40° C (104° F)	6 bar (87 psi)	4 bar (58 psi)
Temperature of Fluid > 40° C (104° F)	4 bar (58 psi)	4 bar (58 psi)
<b>Maximum Temperature:</b>		
Fluid	80° C (176° F)	60° C (140° F)
CIP	90° C (194° F)	-
SIP	130° C (260° F)	-
Autoclave	130° C (260° F)	130° C (260° F)
<b>Pump Speed Range:</b>		
rpm	20 - 1,800	20 - 1,800
<b>Suction Lift Dry at 1800 rpm:</b>		
Eccentric Shaft 5°	4 - 4.5 m (13.1-14.7 ft)	4 - 4.5 m (13.1-14.7 ft)
<b>Volume Specifications:</b>		
Approximated Volume per Revolution at Free Output	27 ml	27 ml
Filling Volume Without Connectors	210 ml	210 ml
Residual volume (after idling with high-speed motor)	0 ml	0 ml
<b>Connection Specification (Standard):</b>		
Connectors	1" TC	1" TC
Position of Connectors	Front	Front

Model Pump Type	QF2500S-HT Multiple-Use	QF2500SU-HT Single-Use
<b>Product Wetted Materials (Standard):</b>		
Pump Chamber	1.4435/SS316L	PP
Valve Plate	1.4435/SS316L	PP
Diaphragms	TPE	TPE
Valves	EPDM	EPDM
O-rings	EPDM	EPDM
<b>Certificates/Proofs:</b>		
Elastomers (product wetted) Included	USP <87>; USP <87>; Cl. VI; FDA21CFR177; BSE/TSE Safe	USP <87>; USP <87>; Cl. VI; FDA21CFR177; BSE/TSE Safe
Stainless Steel Parts (product wetted) As Option	3.1; Surface Roughness; Ferrite (EN10204)	-
<b>Motor:</b>		
Maximum speed	1,800 min-1	1,800 min-1
Voltage	400 V	400 V
Power	1.5kW	1.5kW
<b>Pump Dimension with Motor and Housing:</b>		
Length	824 mm (32.44")	824 mm (32.44")
Width	275 mm (10.83")	275 mm (10.83")
Height	382.5 mm (15.06")	382.5 mm (15.06")
<b>Pump Weight with Motor and Housing:</b>		
	67 kg (148 lb.)	60 kg (132 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](http://psgdover.com/quattroflow)