

QF150SU

Quaternary Diaphragm Pumps

Single-Use – Biotech/Biopharma

Features

- Fully disposable machined polypropylene pump chamber
- Easy replacement
- 4-piston technology
- Includes control panel
- Gentle product treatment
- No particle generation
- Low pulsation
- Linear flow characteristic
- Self-priming
- Safe dry-run operation
- Elimination of cleaning validation and cross contamination

Applications

- Filtration systems (TFF, etc.)
- Chromatography systems
- Feeding pump
- Virus filtration
- Sterile filtration

Technical Data

QF150SU Standard Motor	
Flow Rate Maximum:	
Eccentric Shaft 5°	180 l/h (48 gph)
Flow Rate Minimum:	
Eccentric Shaft 5°	1 l/h (0.26 gph)
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)
Autoclave	130° C (260° F)
Suction Lift Dry at 3000 rpm:	
Eccentric Shaft 5°	2 - 3 m (6.6 - 9.8 ft)
Volume Specifications:	
Approximated Volume per Revolution at Free Output	1.2 ml
Filling Volume Without Connectors	15 ml
Connection Specification (Standard):	
Connectors	1/4" TC
Position of Connectors	Inline
Number of Flow Directions	4



QF150SU Standard Motor	
Product Wetted Materials (Standard):	
Pump Chamber	PP
Valve Plate	PP
Diaphragms	TPE
Valves	EPDM
O-rings	EPDM
Certificates/Proofs (Optional):	
Elastomere (product wetted)	USP <88> Cl. VI; FDA21CFR177; BSE/TSE Safe; USP 87/381/661
Motor (Standard):	
Rated speed	3000 min-1 (50 Hz)
Voltage	230/115 V
Power	0.05 KW
Pump Dimension with Motor and Housing:	
Length	285 mm (11.22")
Width	115 mm (4.53")
Height	184 mm (7.24")
Pump Weight with Motor and Housing:	
	7 kg (15.8 lb.)

Other connection specifications, materials and motors available on request.

