

# QF150SU

## Quaternary Diaphragm Pumps

### Single-Use

- New version with 90W motor
- Disposable wetted pump chamber
- Integrated controller
- Digital key pad for manual operation
- Small and portable format
- Ideal for R&D and process development

### Technical Data

QF150SU Standard Motor		
Flow Rate Maximum:	Eccentric Shaft 5°	180 lph (3 lpm)
Flow Rate Minimum:	Eccentric Shaft 5°	1 lph (0.017 lpm)
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 (266° 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
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
	Voltage	230 V (110 V as option)
	Power	90 W
Pump Dimension with Motor and Housing:	Length	262 mm (10.31")
	Width	164 mm (6.46")
	Height	185 mm (7.28")
Pump Weight with Motor and Housing:		7.6 kg (16.8 lb)

Other connection specifications, materials and motors available on request.



### Performance Charts

#### Eccentric Shaft: 5°

