

QF1200S-HT

Quaternary Diaphragm Pumps

Multiple-Use

- Integrated pump chamber, pump drive, motor and control box into one unit
- Extended turn-down ratio (200:1)
- Digital key pad for manual operation
- Compact size
- Flexible single-phase 110-230V power supply



Technical Data

QF1200S-HT Standard Motor		
Flow Rate Maximum:	Eccentric Shaft 5°	1200 lph (20 lpm)
Flow Rate Minimum:	Eccentric Shaft 5°	6 lph (0.1 lpm)
Pressure:	Temperature of Fluid < 40° C (104° F)	6 bar (87 psi)
	Temperature of Fluid > 40° C (104° F)	4 bar (58 psi)
Maximum Temperature:	Fluid	80° C (176° F)
	CIP	90° C (194° F)
	SIP	130° C (266° F)
	Autoclave	130° C (266° F)
Pump Speed Range:	rpm	10 - 2,400
Suction Lift Dry at 1800 rpm:	Eccentric Shaft 5°	4 - 4.5 m (13.1-14.7 ft)
Volume Specifications:	Filling Volume Without Connectors	75 ml
Connection Specification (Standard):	Connectors	3/4" TC
	Position of Connectors	Inline
	Number of Flow Directions	4
Product Wetted Materials (Standard):	Pump Chamber	SS316L
	Valve Plate	SS316L
	Diaphragms	TPE
	Valves	EPDM
	O-rings	EPDM
Certificates/Proofs (Optional):	Elastomere (product wetted)	USP <88> Cl. VI; FDA21CFR177; BSE/TSE Safe
	Stainless Steel Parts (product wetted)	3.1; Surface Roughness; Ferrite Content
Motor:	Rated speed	2400 min-1
	Voltage	110 - 230 V
	Power	0.485 kW
Pump Dimension with Motor and Housing:	Length	489 mm (19.25")
	Width	200 mm (7.87")
	Height	220 mm (8.66")
Pump Weight with Motor and Housing:		25 kg (55 lb)

Performance Charts

Eccentric Shaft: 5°

