

QF5050SU

Quaternary Diaphragm Pumps

Single-Use

- Disposable wetted product chamber
- Compact footprint
- High turn-down ratio
- Multi-option installation flexibility
- Separate control box for manual operation available



Technical Data

QF5050SU Servo Motor		
Flow Rate Maximum:	Eccentric Shaft 6°	5000 lph (83 lpm)
Flow Rate Minimum:	Eccentric Shaft 6°	50 lph (0.83 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 1,200 rpm:	Eccentric Shaft 6°	4 - 4.5 m (13.1-14.7 ft)
Volume Specifications:	Approximated Volume per Revolution at Free Output	95 ml
	Filling Volume Without Connectors	820 ml
Connection Specification (Standard):	Connectors	1.5" TC
	Position of Connectors	Front
Product Wetted Materials (Standard):	Pump Chamber	PP
	Valve Plate	PP
	Diaphragms	TPE
	Valves	EPDM / SS316L
Certificates/ Proofs (Optional):	Elastomere (product wetted)	USP <88> Cl. VI; FDA21CFR177; BSE/TSE Safe; USP 87/381/661
Motor:	Rated speed	3000 min ⁻¹ (2.66:1 reduction)
	Voltage	400 V
	Power	3 kW
Pump Dimension with Motor and Housing:	Length	440 mm (17.32")
	Width	325 mm (12.80")
	Height	320 mm (12.60")
Pump Weight with Motor and Housing:		51 kg (112 lb)

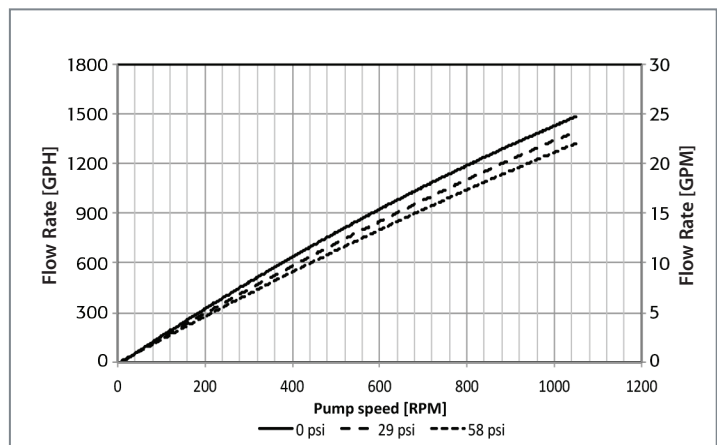
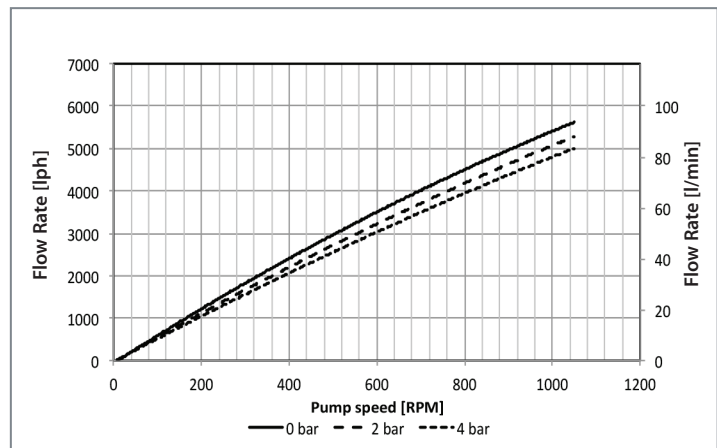
Other connection specifications, materials and motors available on request.

Provided by:



Performance Charts

Eccentric Shaft: 6°



Depending on the selected motor/frequency drive combination, the motor frequency and the resulting pump speed might differ.