Quattroflow® HTX Drive Series

Quattroflow® HTX is a powerful and precise pump drive for laboratory and bioprocessing applications.

The HTX pump drive features a 5" touchscreen panel for intuitive control and multiple interfaces for superior control flexibility plus advanced modes for precise dispensing, calibration and flow rate calculation.



Image includes optional features

SPECIFICATIONS

HTX DRIVE

Brushless synchronous servo motor

CONNECTIONS & INTERFACES

Front:
5" Touchscreen Monitor
Sensor Connector (1x DI)

Back:
Hardware-based I/O Connectivity
(17-pin, incl. 24VDC)
- 2x Digital Inputs
- 2x Digital Output
- 1x Analog Input
- 1x Analog Output

1x USB-Port
1x Modbus TCP (RJ45/Ethernet)
3x Fuses (5x20mm)
AC Power Connection
- Includes cables with EU, US and UK plugs
- 100-250 V AC, 50/60Hz, 1-phase

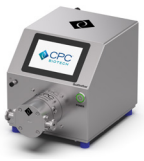
HTX FLOW RATE RANGE

QF30: 0,001 to 0,5 Liter per minute
QF150: 0,017 to 3 Liter per minute
QF1200: 0,1 to 20 Liter per minute

	FEATURES	BENEFITS
✓	Next-Gen Interface & Digital Drive	Large 5" touchscreen for intuitive configuration and control of the pump
✓	Precise Flow Rate Calculation & Dispense Mode	Accurate dispense mode for automated batch/bottle filling plus an integrated flowrate calculator to calculate flowrate based on motor speed. Calibration routine allows improved accuracy e.g. with changing fluid conditions.
✓	Alarms & User Management	Real-time visual alarms and status displays on pump housing via LED light ring (optional). Customized access for up to 4 user groups.
✓	Superior Control Flexibility	Operate the pump locally via touchscreen or seamlessly integrate in plant automation systems using Modbus TCP over Ethernet. Hardware-based remote control functions via the analog and digital I/O interface.

QUATTROFLOW® HTX TECHNICAL DATA

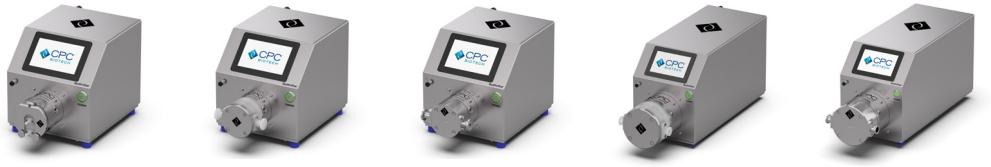






		QF30SU-HTX	QF150SU-HTX	QF150MU-HTX	QF1200SU-HTX	QF1200MU-HTX
FLOW RATE MAXIMUM		30 lph (500 mlpm)	180 lph (3 lpm)	180 lph (3 lpm)	1200 lph (20 lpm)	1200 lph (20 lpm)
FLOW RATE MINIMUM		0,06 lph (1 mlpm)	1 lph (0,017 lpm)	1 lph (0,017 lpm)	6 lph (0,1 lpm)	6 lph (0,1 lpm)
PRESSURE	Temperature of Fluid < 40°C (104°F)	4 bar (58 psi)	4 bar (58 psi)	6 bar (87 psi)	4 bar (58 psi)	6 bar (87 psi)
	Temperature of Fluid > 40°C (104°F)	4 bar (58 psi)	4 bar (58 psi)	4 bar (58 psi)	4 bar (58 psi)	4 bar (58 psi)
MAXIMUM TEMPERATURE	Fluid	60°C (146°F)	60°C (140°F)	80°C (176°F)	60°C (140°F)	80°C (176°F)
	CIP	n/a	n/a	90°C (194°F)	n/a	90°C (194°F)
	SIP	n/a	n/a	130°C (266°F)	n/a	130°C (266°F)
	Autoclave	n/a	130°C (266°F)	130°C (266°F)	130°C (266°F)	130°C (266°F)
PUMP SPEED RANGE	rpm	1 – 1.000	10 – 3.000	10 – 3.000	10 – 2.400	10 – 2.400
VOLUME SPECIFICATIONS	Approximated Volume per Revolution at Free Output	0,59 ml (3°)	1,2 ml	1,2 ml	9,6 ml (5°)	9,6 ml
	Approximated Filling Volume Without Connectors	5.2 ml	15 ml	15 ml	75 ml	75 ml
PRODUCT WETTED MATERIALS (STANDARD)	Pump Chamber	PP	PP	1.4435	PP	1.4435
	Valve Plate	PP	PP	1.4435	PP	1.4435
	Diaphragms	TPE	TPE	TPE	TPE	TPE
	Valves	EPDM	EPDM	EPDM	EPDM	EPDM
	O-rings	EPDM	EPDM	EPDM	EPDM	EPDM
COMPATIBLE PUMP CHAMBERS	Part Numbers	QF30DM (1/8"HB)	**Standard:** QF15DISPP-3 (1/4"TC) QF15DISPL14-3 (1/4"HB) QF15DISPL38-3 (3/8"HB) **EZ-Set:** QF12DISPP-3 (3/4"TC) QF12DISPL12-3 (1/2"HB) QF12DISPL34-3 (3/4"HB)	QF15CU (1/4"TC)	**Standard:** QF12DISPP-3 (3/4"TC) QF12DISPL12-3 (1/2"HB) QF12DISPL34-3 (3/4"HB) **EZ-Set:** QF12DISPP-3-EZ (3/4"TC) QF12DISPL12-3-EZ (1/2"HB) QF12DISPL34-3-EZ (3/4"HB)	QF12IES (3/4"TC)

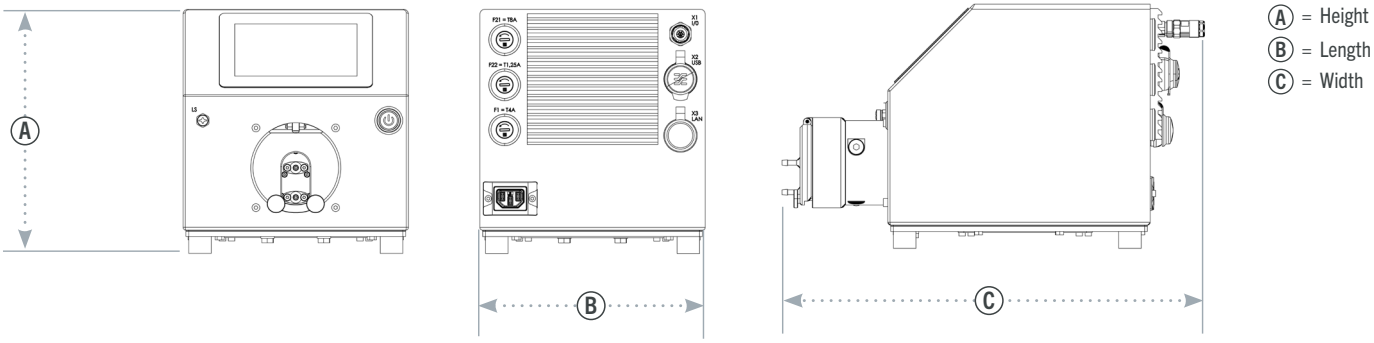
QUATTROFLOW® HTX TECHNICAL DATA



		QF30SU-HTX	QF150SU-HTX	QF150MU-HTX	QF1200SU-HTX	QF1200MU-HTX
MOTOR	Type	Synchronous servo motor	Synchronous servo motor	Synchronous servo motor	Synchronous servo motor	Synchronous servo motor
	Power	90 W	90 W	90 W	470 W	470 W
PUMP DIMENSION WITH MOTOR AND HOUSING	Height (A)	217 mm (8,54")	217 mm (8,54")	217 mm (8,54")	264mm (10,39")	264mm (10,39")
	Width (B)	200 mm (7,87")	200 mm (7,87")	200 mm (7,87")	200 mm (7,87")	200 mm (7,87")
	Length (C)	354 mm (13,94")	345 mm (13,58")	340 mm (13,39")	586mm (23,07")	586mm (23,07")
PUMP WEIGHT WITH MOTOR AND HOUSING		9,7 kg (21,4 lbs)	9,7 kg (21,4 lbs)	9,7 kg (21,4 lbs)	27,5 kg (60,6 lbs)	27,5 kg (60,6 lbs)

QUATTROFLOW® HTX DIMENSIONS

PRODUCT DIMENSIONS



View Product Page

DESIGN FOR LIFE

WARNING: The customer is solely responsible for determining the necessary or most suitable product or service for any particular use case or application. All such risks are assumed by the customer. Specifications subject to change without notice.
WARRANTY: For product warranty information, please contact: info@cpc-bio.com or +1 800-519-7633.
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