

Automated Single-Use Inline Dilution System

Overcome bottlenecks and improve downstream bioprocess efficiency, while eliminating manual labor and buffer storage capacity that is required with traditional buffer preparation and management.

Streamlined buffer management

The Agilitech Advantage:

- Precise and reproducible buffer preparation and just-in-time delivery at point of use
- Eliminate manual labor associated with traditional buffer preparation
- Save space by eliminating buffer storage
- Inline static mixer with back-pressure regulator ensures stable mixing
- Dual inlet header with Quattroflow® pumps on each header optimizes buffer delivery

The Agilitech inline dilution system automates buffer preparation and delivery. Highly concentrated buffer solution is diluted in a single-use mixer that is integrated into your downstream process. The inline dilution system controls buffer preparation and ensures precise just-in-time delivery at the point of use.

The system features dual inlet headers with a Quattroflow® pump on each header to optimize performance. And if your process requires more inlets, the system can be adapted with additional inlets and pumps.

The brand-agnostic and flexible system design also enables use with your preferred automation and control system—whether that's DeltaV®, Rockwell Automation®, or another platform.

Choose from the following models:

D500

Tubing ID:
0.50 in

Flow Rates:
0.167-15 LPM

Flow Sensor Performance:
0-20 LPM (+/- 3%)

Dimensions (W x D x H):
910 x 910 x 1025 mm

D750

Tubing ID:
0.75 in

Flow Rates:
0.167-20 LPM

Flow Sensor Performance:
0-50 LPM (± 3%)

Dimensions (W x D x H):
1622 x 1422 x 1816 mm

D1000

Tubing ID:
1.0 in

Flow Rates:
0.8-41 LPM

Flow Sensor Performance:
0-100 LPM (± 3%)

Dimensions (W x D x H):
1622 x 1422 x 1816 mm

Technical Specifications

General Skid Specifications

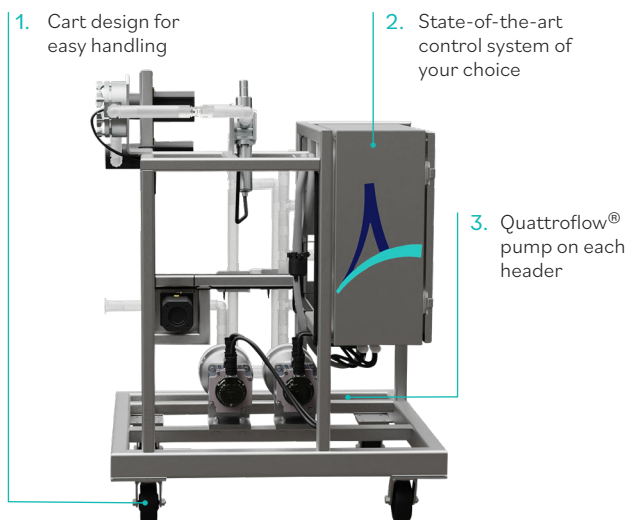
Pressure	0-60 psi/4 bar
pH	0-14 pH
Conductivity	0-250 mS/cm
Temperature Range	2-50°C
Humidity (non-condensing)	10-90%
Utility Required, Skid Power*	220-230 VAC
Wetted Materials	USP <88> Class VI and animal free
Inlets	1 Water, 4 Buffer
Outlets	2
Flow Accuracy	±3%

Sensor Performance

Pressure	0-6 psi (± 2%)
	6-30 psi (± 3%)
	30-0 psi (± 5%)
Conductivity	0-250 mS/cm (±0.25 mS/cm)
Flow	0-20 LPM (± 3%)
pH	0-14 (± 0.1)

*Compressed air (oil free) @ 80 psi/5.5 bar

Specifications represent standard Agilitech model and may differ when customized for specific customer applications. Quattroflow is a registered trademark of PSG Germany GmbH; DeltaV is a registered trademark of Emerson; Rockwell Automation is a registered trademark of Rockwell Automation, Inc.



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