



AFS 3D, 8D, 16D

AFS 3D, AFS 8D and AFS 16D Analyzer Feed Systems

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Specifications

Product Water Quality

Parameter	Value
Resistivity	> 10 MΩ.cm @ 25 °C (CLRW water)* typically**
TOC	< 50 ppb**
Microorganisms	< 10 cfu/ml after UV**
Silica	≤ 0.05 mg/L

* CLSI Clinical Laboratory Reagent Water

** before storage

AFS-3D , AFS-8D & 16D additional dissolved gas specification: Controllable down to 3 ppm dissolved O₂ dependent on incoming water temperature

Product Water Delivery

Water System Type Permeate Flow Rate (L/hour) Peak Dispense Rate (to atmosphere) in L/min Tank Dispense capacity (L)

AFS3, AFS 3D	3	0.6	10
AFS8, AFS 8D	8	0.6	10
AFS16, AFS 16D	16	0.6	10

Feed water Specifications

Parameter	Specification
Quality	Potable mains (tap) water
Inlet pressure into AFS system	15 – 50 psi (1– 3 bar)
Temperature	2– 35 °C
Minimum feed flow rate	2.0 L/min
Total chlorine into Progard 3 Purification Pack	<1 ppm*†
Dissolved gas content	< Saturated
Maximum Fouling Index (SDI) (into Progard 3 pack)	< 5**

* For feedwater with total chlorine concentration between 1 ppm and 3 ppm, Millipore suggests the use of an external PrePak, or other Millipore recommended pretreatment.

** For feedwater with an SDI between 5 and 12, Millipore suggests the use of an external PrePak, or other suitable pretreatment device. Please contact your Millipore representative if the SDI exceeds 12.

† Under certain feedwater conditions, additional pretreatment will be necessary even if the chlorine content is below 1 ppm. Please contact Millipore for more information.

Dimensions





Parameter	Specification
Height	457 mm (18 in)
Width	255 mm (10 in)
Depth (without reservoir)	355 mm (14 in)
Depth (with reservoir)	500 mm (19.5 in)

Dry weight	12.5 kg (27.5 lb) plus 1kg (tank)
Weight in use (filled with water)	15.5 kg (34 lb) plus 13 kg (28 lb) (tank)

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AFS Feedwater Systems

Water is a clinical reagent. The quality of the water used to feed clinical analyzers directly affects results and impacts the productivity of the clinical lab.

AFS Feedwater Systems from Millipore are specifically designed to produce NCCLS Type I reagent water for clinical analyzers. The water is used in a variety of on-board applications, including reagent reconstitution, probe rinsing, and cuvette washing, as well as general laboratory applications, such as constant-temperature water baths.

Unlike water systems that rely on a single water purification technology, Millipore AFS feedwater systems employ a combination of purification technologies and water quality monitoring techniques. This multi-technology approach guarantees high water quality and consistency.

For Further Information

Visit www.millipore.com/afs