

AIR PURGE CLEAN SYSTEMS



FEATURES & BENEFITS

- Saves time and lowers maintenance
- Limits fouling and enhances performance
- Cleaning, purging and pumping in one system
- User configurable automatic cleaning cycle
- Recapture feature recycles cleaning fluid
- Purging reduces clogs and buildup
- Long life peristaltic pumps

WATER QUALITY
MONITORING
SOLUTIONS

OVERVIEW

For harsh wastewater conditions, the Air Purge Cleaning system is the ideal accessory to accompany any sensor. The multipurpose system incorporates a cleaning, pumping and purging component in one. Chemical cleaning minimizes the effects of fouling on the measurement cell while the purging feature uses compressed air to purge the sample lines and filter to remove buildup. The process pump continuously supplies sample to the sensor with an upgraded booster pump model available. The system saves time and lowers maintenance while improving overall operation and accuracy of the instrument.

MODELS

MODEL #	NAME	DESCRIPTION
S-159124	Air Purge Clean System I	For low solids sample stream (<250 mg/L TSS). Automatic chemical cleaning, air purge and pump (vertical lift less than 8 ft and pumping distance less than 25ft)
S-179125	Air Purge Clean System II	For low/high solids sample stream (>250 mg/L TSS). Automatic chemical cleaning, air purge and booster pump (vertical lift exceeds 8ft or pumping distance exceeds 25 ft)
S-179126	Air Purge Clean System III	For low/high solids sample stream (>250 mg/L TSS). Automatic chemical cleaning and air purge. Client supplies pump or water is pressurized

The Air Purge Clean systems are designed for use with non-pressurized sample water with low to high solids (wastewater).

SPECIFICATIONS

CHARACTERISTIC

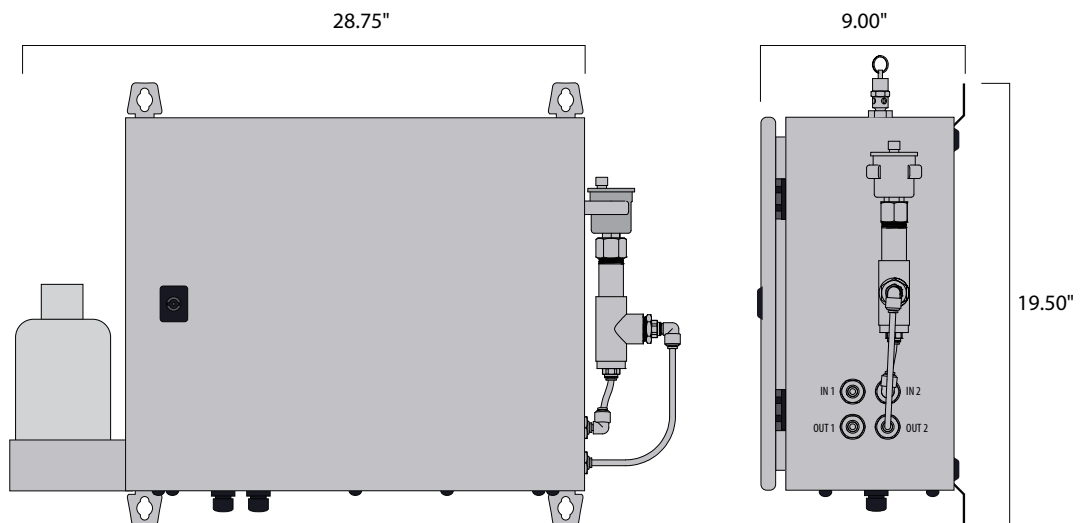
TECHNICAL DATA

MODELS	AIR PURGE CLEAN SYSTEM I	AIR PURGE CLEAN SYSTEM II	AIR PURGE CLEAN SYSTEM III
Cleaning Frequency		User configurable	
Cleaning Capacity	1L storage container, cleaning fluid recapture feature reduces fluid replenishment frequency		
Air Purge Frequency		User configurable	
Alarms	Leak, Cleaning Fluid Low, Cleaning Fluid Empty, Sample Tube, No Flow, Air Leak		
Dimensions		19.50"H x 28.75"W x 9.00"D	
Enclosure		NEMA 4, wall mountable	
Electrical/Communication		From controller	
Fluid Connections		1/4" tube push-in fittings	
Flow Rate		User configurable	
Max Head Height	8 feet	20 feet	n/a
Max Horizontal Distance	25 feet	50 feet	n/a
Min Process Line Flow Rate	n/a	300 mL/min	300 mL/min
Max Process Line Flow Rate	n/a	2000 mL/min	2000 mL/min
Max Process Line Pressure	n/a	10 PSI	20 PSI
Optional Compressed Air Connection Max Pressure		90 PSI	
Storage Temp.		-20 to 60°C (-4 to 140°F)	
Operating Temp.		0 to 45°C (32 to 113°F)	
Weight		45 lb	
Warranty		2-year limited warranty	

* Technical Specifications are subject to change without notice.

DIMENSIONS

The Air Purge Clean systems are installed directly on a wall, railing or system backboard.



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