

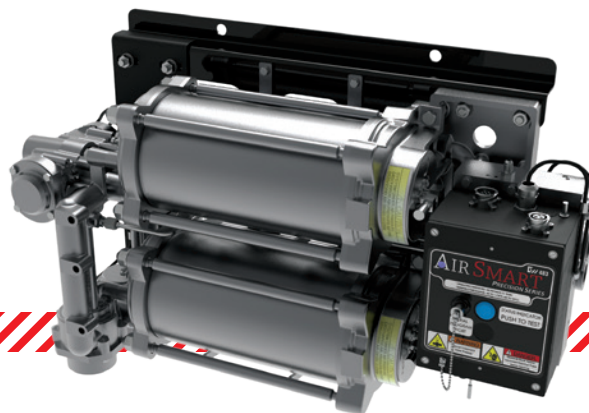


Locomotive
and Vehicle
Electronics



AirSmart™ Air Dryer

483 Series Global Air Dryer



Precision Air Management Technology

Upgrading to the 483 Series Global Air Dryer is more than just an intelligent choice. Equipped with patented AirSmart™ technology it offers the most advanced, innovative air dryer solution available and is designed to deliver unmatched performance. The AirSmart™ Global Air Dryer expertly eliminates condensation, provides real-time performance monitoring and helps to avoid costly, unplanned maintenance.

- Multi-functional self-test button for increased vehicle availability
- Digital humidity sensor for precise monitoring of air quality
- Independent coalescing filter with quarter-turn cap for ease of change-out
- Models for vertical, horizontal wall and horizontal floor installations
- Provides optimal performance in any orientation



CUSTOMER BENEFITS:

- + Reduced downtime and elimination of manual checks with self-test button
- + Auto-resetting humidity indicator provides real-time feedback to ensure system health
- + IoT Ethernet connectivity allows for remote situational monitoring
- + Maximum removal of liquid water and oil aerosols lessens threat of corrosion

AirSmart's Intelligent System Reduces Air Loss and Threat of Contamination

Additional benefits of use:

- Increased air savings and extended life cycle
- Maintenance awareness through smart dryer interface
- Faster train line pump up time
- Operation and fault communication available to train line
- Different models available to meet any mounting orientation requirements



Product Specifications

Operation	Twin tower, pressure swing regeneration, purge and drying cycle times based on air demand and operating conditions	
Desiccant Material	Activated alumina	
Pressure	Max. system pressure — 160 psig (11.0 bar)	
Temperature	-40 deg. F to +158 deg. F (-40 deg. C to +70 deg. C) Heaters included as a standard feature	
Inlet Flow	50 SCFM nominal (1,415 l/min)	
Pressure Drop	Dryer: 3.3 psig (.23 bar); Filter: 2.9 psig (.20 bar) @ 50 SCFM (1,415 l/min)	
Coalescing Filter Rating	99.9% efficiency (0.6 micron)	
Voltage	45 to 138 VDC continuous operation	
Current	0.1 A max @ 74 VDC (Heaters Off); 5 A max @ 74 VDC (Heaters On)	
Size	Dryer: 29.25" W x 18.40" H x 11.25" D (743 mm W x 467 mm H x 286 mm D) Filter: 7.2" W x 10.56" H x 6.25" D (183 mm W x 268 mm H x 159 mm D)	
Weight	Dryer: 101 lbs (45.8 kg); Filter: 15 lbs (6.8 kg)	
Other Features	<ul style="list-style-type: none"> Ethernet ready Program port for diagnostics Status and fault indicator Condition-based maintenance Health monitoring Trigger faults on improper operations 	<ul style="list-style-type: none"> Microprocessor stores lifetime operational data Microprocessor stores power and fault logs Continuous monitoring of all sensors and reports operational issues Spin-on / quarter turn pre-filter Conditions based heater power
Additional Options	<ul style="list-style-type: none"> Multi-language labels Compressor control capability 	

To discover everything the 483 Series Global AirSmart™ Air Dryer can do, contact:

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