

## Breathing Air Compressors

### W32 Canopy Air Compressor

- 7.5 and 10 HP Motor Options
- Four Stage Aluminum Compressor Pump
- 6000 PSI Maximum Output Pressure
- UL / cUL Certified Electrical Panel
- Breathing Air Quality Complies with Grade D and Grade E Standards
- Single Phase or Three Phase, 208-230/480V Motor Options
- Particulate Inlet Filtration
- Particulate & Coalescing Oil Removal Filtration – First Stage
- P41 Purifier Filter – Second Stage
- Condensate Separation with Automatic Discharge Between each Stage
- Stainless Steel Intercoolers and Aftercooler
- Supplemental Top Discharge Cooling Fan
- Silenced Discharge Chamber
- Condensate Reservoir
- Discharge Check Valve
- Pressure Maintaining Valve Prior to Output
- Low Oil Shutdown Circuit
- Safety Valves for Each Stage
- Anti-Vibration Shock Mounts
- Electrostatically Painted Quiet Enclosure
- 68 dBA Sound Level
- Automatic Start/Stop at Any Pressure of Choice
- PLC Controller with easily Adjusted Parameters
- Emergency Shut Off Switch
- Condansate Reservoir
- Forklift / Transpallate Pockets
- Dimensions: 28 x 40 x 51 inches (WxLxH)
- Weight: 640 LBS



W32 Canopy				
Model	Motor Power	RPM	Max. Output Pressure	Output Flow Rate
W32-5-415-FP4N	7.5 HP	1100	6000 PSI	7 CFM
W32-7-415-FP4N	10 HP	1200	6000 PSI	9 CFM

## Breathing Air Compressors

### W4 Canopy Air Compressor

- 10, 15, 20, 25 and 30 HP Motor Options
- Four Stage Cast Iron Compressor Pump
- 6000 PSI Maximum Output Pressure
- UL / cUL Certified Electrical Panel
- Breathing Air Quality Complies with Grade D and Grade E Standards
- Single Phase or Three Phase, 208-230/480V Motor Options
- Particulate Inlet Filtration
- Particulate & Coalescing Oil Removal Filtration – First Stage
- P41 Purifier Filter – Second Stage
- Condensate Separation with Automatic Discharge Between each Stage
- Stainless Steel Intercoolers and Aftercooler
- Supplemental Top Dual Discharge Cooling Fan
- Silenced Discharge Chamber
- Condensate Reservoir
- Discharge Check Valve
- Pressure Maintaining Valve Prior to Output
- Low Oil Shutdown Circuit
- Safety Valves for Each Stage
- Anti-Vibration Shock Mounts
- Electrostatically Painted Quiet Enclosure
- 64 dBA Sound Level
- Automatic Start/Stop at Any Pressure of Choice
- PLC Controller with easily Adjusted Parameters
- Emergency Shut Off Switch
- Condansate Reservoir
- Forklift / Transpallate Pockets
- Dimensions: 34 x 50 x 68 inches (WxLxH)
- Weight: 1700 LBS



W4 Canopy				
Model	Motor Power	RPM	Max. Output Pressure	Output Flow Rate
W4-7-415-FP6M	10 HP	750	6000 PSI	13 CFM
W4-11-415-FP6M	15 HP	600	6000 PSI	18 CFM
W4-15-415-FP6M	20 HP	650	6000 PSI	25 CFM
W4-18-415-FP6M	25 HP	700	6000 PSI	30 CFM
W4-22-415-FP6M	30 HP	750	6000 PSI	35 CFM

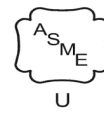
## Containment Fill Stations

### Alkin SCBA Fill Stations

- NFPA 1901 Certified – Meets the National Fire Protection Association’s standards for fire apparatus equipment safety and performance
- 6000 PSI Operating Pressure – Supports high-pressure SCBA and SCUBA cylinder filling with robust performance
- 2, 3, or 4-Level Cascading Options – Provides flexible air storage management for optimized fill efficiency and reduced compressor run time
- 2 or 3-Position Fill Chamber Options – Available configurations to accommodate multiple cylinders simultaneously
- Fill Pressure Regulation (0–6000 PSI) – Enables precise control of fill pressure for various cylinder requirements
- Auxiliary Air Outlet for Remote Filling – Allows convenient filling at a distance from the main station
- Easy Air Sampling Connection for quick and convenient quality checks of breathing air
- Pressure Safety Valve to prevent over-pressurization and ensure safe system operation.
- Heavy-Duty Tilting Door designed for durability and easy access during cylinder loading and unloading
- Interlock Valve prevents cylinder filling when the door is open, ensuring operator safety.
- Safety Latch – Once engaged, the door cannot be opened without intentional release, ensuring secure and controlled operation
- Fill Control Panel with Rebuildable Fill Valves for Long-Term Servicibility and Ease of Maintenance
- Independent Fill Hoses featuring dedicated on/off valves and pressure bleed valves for safe, efficient operation
- Pressure Gauges for each cascade level and fill pressure, providing accurate monitoring and system control.



SCBA Fill Stations				
Model	Cascade Level	Fill Chamber (Position)	Dimensions (WxLxH, Inches)	Weight (lbs)
FS-A-2-415	NA	2	23x35x43	520
FS-A-3-415	NA	3	23x41x43	723
FS-C2-2-415	2	2	23x35x65	915
FS-C2-3-415	2	3	23x41x65	1100
FS-C4-2-415	4	2	23x35x65	925
FS-C4-3-415	4	3	23x41x65	1110



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## All in One Fire House Systems

### Alkin Fire House Packages

- NFPA 1901 Certified – Meets the National Fire Protection Association’s standards for fire apparatus equipment safety and performance
- UL and cUL-Certified Electric Panels – Ensure compliance with U.S. and Canadian electrical safety standards
- 6000 PSI Operating Pressure – Supports high-pressure SCBA and SCUBA cylinder filling with robust performance
- 7.5, 10, 15, 20, 25, and 30 HP – Multiple configurations available to match specific capacity and performance needs
- 2, 3, or 4-Level Cascading Options – Provides flexible air storage management for optimized fill efficiency and reduced compressor run time
- 2 or 3-Position Fill Chamber Options – Available configurations to accommodate multiple cylinders simultaneously
- 4 x 50-Liter ISO UN-Certified Air Storage Cylinders with vertical rack – Provides ready-to-use air supply for urgent or high-demand situations
- Optional ASME-Certified Air Storage Cylinders – Available for projects that require compliance with ASME standards
- Optional 50, 75, and 100 ft Hose Reels with 7000 PSI-rated breathing air hose for safe and flexible remote filling
- Optional Real-Time CO, CO<sub>2</sub>, and Moisture Monitoring with Automatic Compressor Shut-Off – Provides continuous air quality monitoring and automatically halts operation if unsafe levels are detected, ensuring full compliance with breathing air safety standards
- Optional Email & Text Notifications with Real-Time Breathing Air Quality Reports – Stay informed instantly with automatic alerts and data logs
- Optional Onboard Thermal Printer – Instantly prints real-time air quality reports for documentation and compliance tracking
- Easy Air Sampling Connection – Allows quick and convenient breathing air quality checks to ensure compliance with safety standards
- Condensate Collection Reservoir – Designed for safe and efficient collection of moisture and oil discharge from the compressor system
- Modular Unit Design – Ability to ship in separate sections to fit through a standard 36-inch doorway, allowing for easy on-site assembly and installation



Fire House – All in One Units					
Model	Model No	Flow Rate	Storage Cylinders	Cascade Level	Fill Chamber (Position)
Fire House 10V	ALK-FH-10V	9 CFM	4x 6000 PSI, ISO UN	4	2
Fire House 10	ALK-FH-10	13 CFM	4x 6000 PSI, ISO UN	4	2
Fire House 15	ALK-FH-15	18 CFM	4x 6000 PSI, ISO UN	4	2
Fire House 20	ALK-FH-20	24 CFM	4x 6000 PSI, ISO UN	4	2
Fire House 25	ALK-FH-25	30 CFM	4x 6000 PSI, ISO UN	4	2
Fire House 30	ALK-FH-30	35 CFM	4x 6000 PSI, ISO UN	4	2

ALKIN Compressors

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## Completing Items & Accessories

### Real Time Air Quality Monitoring - RTGQM

The RTGQM Monitoring System ensures safe breathing air by continuously analyzing levels of CO, CO<sub>2</sub>, O<sub>2</sub>, water vapor, and oil. Compliant with CGA, OSHA, NIOSH, and EN 12021:2014 standards, it combines real-time gas monitoring with predictive maintenance features.

The system alerts users to required filter changes and service needs, helping prevent issues before they affect safety. With an intuitive interface and advanced sensors, it provides a reliable, proactive solution for maintaining air quality in critical environments.

NFPA 1901 Certified – Meets the National Fire Protection Association's standards for fire apparatus equipment safety and performance

- Real-Time CO Monitoring
- Real-Time CO<sub>2</sub> Monitoring
- Real-Time Humidity Monitoring
- Compressor Shutdown Capability with visual and audible alarms
- Emergency Stop Switch for immediate system shutdown
- RFID Scanner for secure admin access via card
- Onboard RJ45 Internet Connection and Printer for real-time reporting
- Filter Life Monitoring with service time indicators
- Email & Text Notification Alerts
- Free Cloud-Based Data Storage
- USB Data Logging Capability
- Backup Battery for uninterrupted controller operation



### Air Hose Reel

Robust Breathing Air Hose Reel – Available with 50, 75, and 100 ft options of 7000 PSI-rated hose for remote filling applications. Features an easy-pull design, stopper ball, and retractable rewind function for smooth and secure operation.



### Air Storage Cylinders with Rack

We offer 50L, 6000 PSI ISO UN-certified air storage cylinders and 41L, 7000 PSI ASME-certified cylinders, available as part of our systems or as standalone units for additional storage capacity.

Matching cylinder racks are also available to securely organize and support the cylinders during operation.

