

# MAX-AIR 90SFD-6000psi

**6000 psi**  
**10.8 scfm**

*(Single or Three Phase)*

*The most user-friendly SCBA/SCUBA refilling system available today.*

*Designed for small to medium size Fire Departments and Fire Brigades intending to upgrade to 4500-psi SCBA's and 6000-psi cascade systems.*

The Max-Air 90SFD is a continuous duty unit and capable of filling 6000-psi cascade or refill 4500-psi SCBA's direct from the compressor, a fully automatic compressor that features an extra large capacity filtration system. It is the upgraded version of the performance proven model #Max-Air 90.

★ Check out the Max-Air 90SFD-6000 psi standard features and compare:

## Standard Features included in base price:

- 6000 psi with **4 to 1 safety factor**, upgraded purification to #PU-35000-6K
- Disposable **tri-chem breathing air purification system** with activated carbon, molecular sieve 13X and hopcalite - will process prox **35,000 cft** of grade "E" breathing air at 72°F intake temperature (prox **65 hours of run time** prior to changing filter element)
- Electric 7.5 HP, single phase 208/230 volt AC or three phase 208/230/460 volt AC; available in 60 Hz and 50 Hz
- **Self tensioning drive belt**
- **Deluxe**, conveniently located (**UL Listed®**) main electrical control panel with **locking door**
- Magnetic starter, thermal overload protection, step down fused transformer, 2 timers and relays (**UL Listed®**)
- **Deluxe** interstage gauge panel with stainless steel gauges
- **All seamless stainless steel** hard plumbing throughout (no plastic flexline used)
- **Automatic** and manual condensate purge, drain system with muffled 4 lt. liquid collector
- **External** condensate collector level sight window
- **Automatic** Off/Auto switch, will automatically refill cascade, as needed
- Final automatic shut off pressure switch
- **Emergency stop**, mushroom type push button
- **Digital hour counter**
- Low oil shut down switch **with fault indicator light**
- High temperature shut down switch on final stage **with fault indicator light**
- Carbon monoxide/moisture visual indicator mounted on gauge panel
- **External** oil level sight glass indicator with oil drain valve
- Pressure safety relief valve at all stages
- **Dual** purified air outlets, one for direct fill and one for cascade
- **Locking** main access door and electric control panel
- Fully enclosed, Duracoat powder coated, sound attenuated cabinet with **Easylift™** access door for maintenance
- Furnished with two (2) each fill hose assy for SCBA or SCUBA cylinder fill valves with On/Off and bleeder valve
- One year warranty
- Dimensions: Length 48¾" x Depth 28" x Height 36"
- Weight: 500 lbs. (packaged weight 600 lbs.)



Made  
in Texas  
U.S.A.

Breathing air quality  
meets or exceeds:  
NFPA 1500  
CGA "E"  
EN 12021

ISO 9001 : 2000  
REGISTERED FIRM

**Charging rate 10.8 SCFM\*\*; 9.0 F.A.D.**

**(Fill time for 80 cu. ft. cyl 7.5 min\*)**

**(Fills SCBA cyl to 4500 psig)**

## Factory Options not included in base price:

- PU-79000 Purification upgrade to 79,000 cft of grade "E" breathing air @ 72°F (146 hours)
- ECO-4000 Electronic carbon monoxide monitor with shut down feature
- PS-35000-6K Electronic cartridge life sensor with shut down feature
- EMM-4000 Electronic moisture monitor with shut down feature)

## Specifications Pumping Group\*\*

Construction: Continuous duty air cooled, three stage, three cylinder high pressure compressor; all stainless steel interstage and final stage coolers. Mounted in a sound attenuated, powder coated, steel cabinet.

Max Pressure: 6000psig-410bar

Approx. Output: 9.0 F.A.D. 10.8 scfm charging rate\*\*

Cyl. Diameters: 1st stage 95mm, 2nd stage 38mm, 3rd stage 14mm

Lubrication: Splash lubrication with oil thrower pin

Oil Type: MaxLube 501 synthetic compressor oil

Oil Capacity: 57 oz. (1.7 Liters)

Drive motors: Electric motor 7.5hp

Compressor RPM: 1550 RPM

Noise Level: 81 decibels @ 3 meters

Refill Time 10.8 scfm\*\*, 7.5 mins\*

\*Time required to fill an 80 cu. ft. cylinder from 500 to 3000 psig

\*\*Based on charging an 80 cu. ft. cylinder from 500 to 3000 psig

\*\*\* Specifications and prices subject to change without notice



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