

MAX-AIR 90SFD-6000psi

(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 Include:

- ★ 6000 psi with **4 to 1 safety factor**, upgraded purification to #PU-35000 with #MS-4010 extra large mechanical coalescing separator and pressure maintaining valve
- ★ Disposable **tri-chem breathing air purification system** with activated carbon, molecular sieve 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.)



Charging rate 9.0 F.A.D. 10.8 SCFM**
(Fill time for 80 cu. ft. cyl 7.5 min*)
(Fills SCBA cyl to 4500 psig)

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

ISO 9001 : 2000
REGISTERED FIRM

Factory Installed Options:

- ★ PU-79000 Purification upgrade to 79,000 cft of grade "E" breathing air @ 72°F (146 hours)
- ★ PU-123000 Purification upgrade to 123,000 cft of grade "E" breathing air @ 72°F (225 hours)

Specifications Pumping Group***

Construction:	Continuous duty air cooled, three stage, three cylinder high pressure compressor; <u>all stainless steel interstage and final stage coolers</u> . 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	Output 9.0 F.A.D., 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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