

# MAX-AIR 90SE-FD5000psi

**5000 psi**  
**10.8 scfm**

*(Single or Three Phase)*

*The most user-friendly, fully automatic stationary SCBA/SCUBA refilling system available today. Designed for small to medium size Fire Departments, Fire Brigades and Dive Centers for service up to 5000 psi.*

The Max-Air 90SE-FD5000 is a continuous duty unit, capable of filling 5000 psi cascade or directly refill 4500 psi SCBA's. A fully automatic breathing air compressor that will deliver years of trouble free service with minimal maintenance, at an affordable price.

★ Check out the Max-Air 90SE-FD5000 standard features and compare:

## Standard Features included in base price:

- 5000 psi standard purification #PU-10,000
- Disposable **tri-chem breathing air purification system** with activated carbon, molecular sieve 13X /hopcalite - will process prox **10,000 cft** of grade "E" breathing air at 72°F intake temperature (prox **18 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 44" x Depth 28" x Height 35"
- Weight: 480 lbs. (packaged weight 600 lbs.)



**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)**

Breathing air quality  
meets or exceeds:  
NFPA 1500  
CGA "E"  
EN 12021  
ISO 9001 : 2008  
REGISTERED FIRM

## Factory Options not included in base price:

- PU-35000 Purification upgrade to 35,000 cft of grade "E" breathing air @ 72°F (65 hours)
- PU-79000-90 Purification upgrade to 79,000 cft of grade "E" breathing air @ 72°F (146 hours)
- MS-4010 Mechanical moisture separator coalesor

## 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:	5000 psi 340 bar
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:	1500 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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