Masterline Oxygen Booster
Model 7000A-2 MDM-4

SPECIFICATIONS

- *ELECTRICALLY DRIVEN*
- *USE UP TO 3,500 PSI FOR OXYGEN*
- *10-1 BOOST RATIO*
- *TWO STAGE DESIGN*
- *S/S HEADS & PISTONS*
- *S/S 4" INLET & OUTLET GAUGES*
- *S/S TUBING AND FITTINGS*
- *S/S BY-PASS VALVE*
- *S/S 50 MICRON INLET FILTER*
- *SAFETY RELIEF VALVE*
- *SEALS RATED AT 10,000 PSI*
- *NON-LUBRICATED DRIVE SECTION*
- *SEALED BEARINGS*
- *COOLING FAN & FINNED AFTERCOOLER*
- *INLET SHUT OFF VALVE*
- *MAGNETIC STARTER SEALED INSIDE A NEMA 4X ENCLOSURE*
- *ADJUSTABLE PRESSURE SWITCH*
- *HOUR METER*
- *(1) 1/4" JIC INLET PORTS*
- *(4) 1/4" NPTF OUTLET PORTS*
- *APPROX. WEIGHT 165 LBS.*
- *DIMENSIONS: 45" x 19" x 20.5"*

MOTOR SPECIFICATIONS

1 1/2 HP, 115/230V, 1 PHASE
18.0 AMPS / 115V 60 CYCLE
8.0 AMPS / 230V 60 CYCLE
OTHER ELECTRICAL OPTIONS AVAILABLE

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DESCRIPTION

The Masterline 7000A-2 MDM-4 electric booster pump is used for compressing 100% pure oxygen. It allows users to fill oxygen cylinders to 3,500 psi from a low pressure supply cylinder. Due to it's innovative seal design and cooling method, Masterline boosters fill oxygen cylinders to near ambient temperatures. Our boosters also operate at a very low 77dBA noise level. With the attached manifold system, the operator can simultaneously fill 4 cylinders at the same time. Because they are electrically driven, our boosters do not require a separate source of air to drive the booster. An optional vacuum pump is also available as well as several other customizable options.

MAINTENANCE

Masterline boosters are completely oil-free and use only two low friction dry seals. The seals can be replaced in about 20 minutes by anyone with only a few tools. The piston guide is the only other part that requires regular maintenance. This is done by simply sliding it off the piston.

TYPICAL FLOW RATES

INLET PRESSURE	OUTLET PRESSURE	FLOW
2000 PSI	3000 PSI	10.0 SCFM
1500 PSI	3000 PSI	7.0 SCFM
1000 PSI	3000 PSI	4.5 SCFM
500 PSI	3000 PSI	2.0 SCFM
350 PSI	3000 PSI	1.0 SCFM