

# Masterline Oxygen Booster Model 7000A-2 MDM-4

## SPECIFICATIONS

- ELECTRICALLY DRIVEN
- USE UP TO 4,500 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 145 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

## MASTERLINE, INC.

3702 WEST VALLEY HWY N., #100  
AUBURN, WA 98001  
PO BOX 217  
KENT, WA 98035  
Phone: 425-656-9107  
Fax: 425-656-9072  
masterlineinc.com



## DESCRIPTION

The Masterline 7000A-2 MDM-4 electric booster pump is used for pumping 100% pure oxygen. It allows users to fill oxygen cylinders to 4,500 psi from a low pressure supply cylinder. Due to its innovative seal design and cooling method, Masterline boosters fill oxygen cylinders to near ambient temperature. Our boosters also operate at a very low 77dBA noise level. An optional vacuum pump is 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  |
| 250 PSI        | 3000 PSI        | 0.5 SCFM  |