

SealBoss® P2002 Injection Pump

- Compact & Sturdy Design
- Easy to use, clean & maintain
- Hose Set included
- Heavy duty for daily use
- Lightweight
- > 5000 PSI
- Single component
- Pressure gauge
- Hopper included
- Recommended for beginners and injection pros

The **SealBoss® P2002 Pump** features a very compact design with integrated stand.

This extremely lightweight and powerful injection pump can be used for most of the **SealBoss®** polyurethane and epoxy injection line products with viscosities between 10 and 1000 cps. Call your **SealBoss®** technician for details. Suitable for mid-size jobs and daily use this is the perfect machine for waterproofing contractors performing commercial work and residential injection. With this pump it is a snap to get in and out of basements and confined areas as found on many job sites.

This pump is of professional grade quality for every day use. The output and pressure are exceptional for a machine of this size. The modular design keeps maintenance cost low and allows for easy cleaning.

Parts can be replaced by the savvy contractor to keep downtime at an absolute minimum.

This pump is powered by a Metabo electric drill which is sold separately by **SealBoss®**. The drill offers a variable speed adjustment to adjust material volume and pressure.

Compact Design

Electric Drill Operated Injection Pump



North America: Standard Metabo drill 110V sold separately.

International Orders: Special order Metabo drill 220V (lead time and cost subject to availability at time of order) or voltage converter available on request. Please consult with your SealBoss Technician.

Contact your SealBoss Technician to confirm that your product is suitable for use with this machine.

Technical Data:

Max. pressure	: > 5000 psi
Flowrate	: ~ 1 quart/min / 1l/min
Weight	: 8.5 lbs
Typical Product	
Viscosity	: 50-800cps

Recommended drill: Metabo, call for specifications
Hose set included.
Electric Drill & packers sold separately



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Compact Design

Electric Drill Operated Injection Pump

Contents

1. P2002 Injection Pump.
2. Metabo Electric Drill is optional, 110V or 220V (Special Order)
3. Wrench Set
5. Pressure Hose Set With Coupler

READ CAREFULLY BEFORE USING YOUR P2002 INJECTION MACHINE

General Information:

Your pump has been tested during a trial run and pressure test to ensure highest quality control. You might find some residue of hydraulic oil in the system and some residue in the packaging. This is normal and does not impair operation.

Getting Started:

The pump is delivered ready for operation.

The drill is sold separately and might not be part of the package if not specifically ordered.

Proceed as follows: Screw the pressure hose into front of the pump and tighten firmly. Introduce the electronic drill to the drill holding device. Then tighten the clamping ring (Snug, but not excessively).

! Use CLOCKWISE Rotation Setting On Drill only!

! Never pump water! Do not run the pump dry!

Your Pump is now ready for operation!

! Caution!

This Pump may create very high injection pressures in excess of 6000 psi. Extremely high pressures can cause damage to attached hoses, valves etc. and can also cause damage in the structure to be injected. Sudden ruptures or leaks in the delivery systems may be hazardous to your health and can cause injury or death. Make sure that the pump and attached hoses and fittings are connected tightly and are in as new condition at any given time during operation.

The equipment is designed for professional use only. Please observe caution at any time when operating this machine to avoid serious injuries.

Operation:

Use the Metabo drill as supplied by us for best results. Do NOT use Drill in Hammer - Drill setting (if applicable). Use a very low speed to start the pumping process. If you are not experienced with this kind of injection pump, we suggest that you perform tests with hydraulic oil or resin without added hardener, to get used to handling of the machine. Once the desired working pressure is obtained, set the dial switch of the electronic drill so that this pressure will not be exceeded. In regular injection procedures your injection pressure should be well below the 400 bar mark.

Please follow the instructions of the resin supplier carefully. Make sure that no foreign particles will enter the pump with the resin. This will help to prolong the service life of your pump.

Maintenance:

Immediately after use, clean the pump with SealBoss R70 Pump Flush. This product is not harmful to seals and hoses and may be left in the system as lubrication. Solvents should only be used briefly for the initial flush to cut thicker residue - Follow all safety guidelines. Do not leave solvent in the system as it is caustic towards seals and hoses. Fill up the resin tank (2), clean the inner walls, and pump cleaner out. Repeat this several times.

Safety Instruction:

- Protection while working
- Follow product data sheets and MSDS; wear protective goggles and protective gloves.

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Revised201010

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Compact Design

**Electric Drill Operated
Injection Pump**

Parts List

- | | |
|---------------------------|----------------------------------|
| 1 IMPACT DRILL | 30 SOCKET SCREW M5 x 25MM |
| 2 PITMAN SHAFT | 31 CLAMPING BAR |
| 3 "U" CLAMP | 32 5/16" UNC NUT |
| 4 SLEEVES | 33 BUSH |
| 5 #6000 BEARING | 34 SHANK NUT |
| 6 PINION | 35 PISTON SHANK |
| 7 BEARING | 36 PRESSURE SLEEN NUT |
| 8 HUBCAP | 37 METAL LID |
| 9 "C" TYPE SNAP | 38 FILTER BOWL |
| 10 LATERAL HOUSING | 39 PLASTIC CONTAINER |
| 11 BODY | 40 ADAPTER |
| 12 BEARING | 41 BUSH BLOCK |
| 13 GEARS | 42 SOCKET SCREW M5 x 25 MM |
| 14 BEARING | 43 CLAMPING BAR |
| 15 PIN | 44 O. RING |
| 16 ECCENTRIC SHAFT | 45 PRESSURE FEED BODY |
| 17 "C" TYPE SNAP RING | 46 BRASS PACKING |
| 18 JUNCTION PANEL SHAFT | 47 STEEL BALL |
| 19 GUIDE BAR | 48 SPRING |
| 20 "C" TYPE SNAP RING | 49 PRESSURE SLEEVES |
| 21 JUNCTION PANEL | 50 NUT |
| 22 #608 BEARING | 51 COMPRESS SCREW |
| 23 #6000 BEARING | 52 PRESSURE GAUGE |
| 24 "C" TYPE SNAP RING | 53 DIAPHRAGM PRESSURE GAUGE SEAT |
| 25 LOWER HOUSING | 54 HIGH PRESSURE HOSE |
| 26 LEGS | 55 AIR VALVE |
| 27 SOCKET SCREW M5 x 25MM | 56 BEND SPOUT |
| 28 HANDLE BAR | 57 COUPLER |
| 29 SOCKET SCREW M5x 12MM | |

