



IMER USA Pump Catalog

Pump it.. Grout it.. Spray it..



Rotor/Stator Pumps

Step Up 120 & Mighty Small 50

Benefits and Features that Deliver Jobsite Value!

Both the Mighty Small 50 and the Step Up 120 use industrial duty motors which are operated by inverter technology. The inverters provide smooth and continuous current, even when the electrical supply is not ideal. The inverter also provides for a smooth startup, then once the pump begins to run it controls the frequency (rpm), which in turn controls the flow of material. **Bottom Line** – these two pumps deliver outstanding performance while requiring only 20 amps of 110v (Small 50) or 20 amps of 220v single phase (Step Up). Our competitors cannot come close to matching this kind of efficiency and ease of use!

The Mighty Small 50 and the Step Up 120 have proven themselves on challenging jobsites across America. Whether it is pumping grout into forms on a bridge deck repair project, spraying fireproofing on a high rise, or filling blocks with high strength grout...our pumps have a resume of successes on all kinds of jobsites, with all kinds of contractors. Call us when you need help with a tough pumping application...we can help! (800-275-5463)

The Step up 120 was designed to be an all in one pump and spray machine, even the mixer is built into the system. Pump 1 cubic foot a minute, or spray hundreds of square feet per hour...the Step Up is both versatile and efficient.

Standard Equipment Mighty Small 50

- Tool box, clean-out tool, sponge ball
- 90' 24 Volt cable remote
- Pressure gauge

Optional Accessories

- Dual diaphragm compressor
- Mortar & Fireproofing gun kit
- Stucco & Fine Coatings gun kit
- Vibrating screen
- Grout injection kit
- Pipe hook
- 5' overhead wand
- Tuck pointing kit

Standard Equipment Step Up 120

- Integrated reversing mixer
- Dual diaphragm compressor
- Vibrating screen
- 100' of 35mm material and air hose
- 35mm Mortar & Fireproofing gun kit
- Pressure gauge
- Tool box, clean-out tool, sponge ball
- Torsion bar suspension
- Articulating tow bar w/2" ball hitch

Optional Accessories

- Preblended materials grill
- 5' overhead wand
- 35mm to 25mm whip hose

Ezee Clean is a non acidic, biodegradable, concrete dissolver. Made from natural ingredients, it is non hazardous, and will not affect paints, plastics, or metals. Put away those sledge hammers and air chisels, and join the green revolution with a product that actually works!!



The Step Up comes complete with the compressor, mixer, application gun kit, and 100 ft. of 35mm hose. Jobsite setup is quick and easy, all it takes is 20 amps. of 220v single phase power. Most of our competitors require 3 phase power or over 50 amps of single phase.

The Step Up 120 has a IM25L stator rotor which is turned by a 3 h.p. motor which is coupled to a direct drive reduction gearbox, this system delivers plenty of torque and eliminates costly maintenance and down time. The fit, finish, construction, and performance of the Step Up 120 is second to none...Guaranteed.

The Small 50 and the Step Up 120 are very good machines... and so are our dealers and employees. Give us a shot at your next pumping or spraying application, we want the opportunity to earn your business.

The Mortarman 120 mixer that is built into the pump is powerful and can blend up a hopper full of material as quickly as it can be sprayed or pumped.

This mixer also features the ability to run in both forward and reverse, this ensures that all materials are mixed thoroughly. Grouts, overhead repair mortars, floor levelers, fireproofing, these and more can be mixed and applied very rapidly.



Step Up 120

	Mighty Small 50	Step Up 120
Motor	115 Volt	230 Volt, single phase
Horsepower	1-3/4	3
Pumping system	2L6 rotor/stator	IM25L rotor/stator
Flow rate	3.5 GPM	6.6 GPM
Max. pumping pressure	300 PSI	450 PSI
Max. aggregate size	1/4"	1/4" std. 3/8" w / options
Hopper capacity	12.5 Gal.	31 Gal.
Compressor output	45 PSI @ 9 CFM	45 PSI @ 9 CFM
Weight (palletized)	110 (150) Lbs.	870 (1000) Lbs.
Dimensions LxWxH (palletized)	44 x 20 x 25 (50 x 25 x 28) in.	80 x 33 x 50 (86 x 50 x 64) in.

The Step Up 120 shown on the right was used to mix and then pump Sika grout with the addition of small aggregate into a broiler room 200 feet away. This was a public school job and the grout was used to fill forms and encase structural steel beams.

As space inside the broiler room was very limited, the contractor setup outside and proceeded to pump the grout into the school through an access vent... a really difficult application solved by using a compact pump and mixer combination!



Thanks to Gazebo Construction, NY



Mighty Small 50

Shown with optional vibrating screen and compressor

The Mighty Small 50 is the only 110v pump made that can really get the job done day in and day out on a wide variety of job sites. It is so portable that pumping and spraying in tight confines is no problem! While the soft start feature provided by the inverter allows you to run the pump, the compressor, and one of our mixers all on the same circuit.

Just like the Step Up 120 the Small 50 has a diagnostic computer on board. Should there be a problem with the current, the motor running hot, or the material being applied becoming unsuitable for pumping, the LED display screen will let you know.

The Grout Injection Kit allows you to pump materials into walls, forms and other voids while controlling the psi being applied. Set the regulator at the desired psi... when it is reached, the pump will shut off automatically.

Imer USA has also developed a pump setup specifically for Tuck Pointing. This unit features a unique pistol grip application gun with a built in remote on/off. Additionally, a special vibrating hopper is included to ensure that the sticker pointing grouts and mortars flow smoothly.



Optional vibrating screen



Tuck pointing gun kit



Pipe hook



Mortar & Fireproofing gun



Optional 5' extension wand for overhead spraying



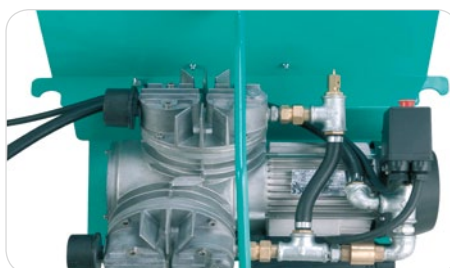
Grout injection kit



Optional Stucco & Fine Coatings gun



Inverter technology provides power and control like never before



Continuous duty dual diaphragm air compressor



Gun kits and hoses for most applications

Rotor/Stator Pumps

Silent 300

Benefits and Features that Deliver Jobsite Value!

The Silent 300 is a self-contained mixing, pumping and spraying machine. The heart of the Silent 300 is a Kohler / Lombardini 3 cylinder industrial duty diesel motor, this power plant is indestructible! The diesel motor powers an all hydraulic drive system, which also includes its own cyclone intercooler to keep the hydraulic fluid nice and cool. The combination of a powerful motor and a well designed hydraulic system means that the Silent 300 can mix, pump, and spray all at the same time.

The hydro-electric controls are linked together by an on board computer which greatly simplifies operating the pump, and also provides a LED diagnostic read out panel to assist with any maintenance issues. The controls are all at your finger tips...operators get the hang of this pump real fast!

Choose from three different rotor/stator combinations; the 2L6 comes standard and is good for a wide variety of materials, use the IM25L when the aggregate content is high, and use the 60.12 when the job calls for high volumes of material. All these rotor/stator assemblies are adjustable to ensure a long life and consistent pumping action.

Having these optional rotor/stators available makes the Silent 300 an even more versatile and complete pumping and spraying machine. The Silent 300 is the Boss Hog of all rotor/stator pumps...bar none!

Standard Equipment

- 3-cylinder Kohler / Lombardini diesel engine
- Hydraulic drive 6 cu. ft. mixer
- Hydraulic intercooler delivers full power 24/7
- Forward and reverse on both the pump and mixer
- 2L6 adjustable rotor/stator
- Inline pressure gauge for material delivery hose
- Pressure gauges for the pump, mixer, and washing sys
- Accessory tool box
- Hydraulic pressure washer with pistol grip wand & hose
- 35mm material hose (66'+33')
- 25mm material whip hose (16')
- 25mm Mortar & Fireproofing gun kit with tips
- Full complement of air hose
- Tow Kit- full suspension, brakes, lights and fenders
- Grease gun
- Hose strap

Optional Equipment

- Wireless RF remote control
- 150' 24v remote w/ stop/start, & variable speed
- Vibrating screen
- 5' overhead wand
- Pipe hook

The mixer on the Silent 300 produces plenty of blending and shear action, materials are mixed thoroughly and quickly. Our patented Folium II paddle design ensures that materials flow through the hopper, into the rotor/stator, and out the hose end at optimum speeds. This mixer is designed to keep up with the pumps fastest speed, another hopper full of material is always ready to go on time!

This mixer is extremely reliable...it has to be because it's feeding an expensive pump. To ensure there is much less paddle shaft bearing maintenance we went to the aerospace industry to source a Molybdenum/Teflon bushing. This system absolutely crushes even the best quality bearings in head to head torture tests. Grease these bushing once every week or two...not daily like metal bearings require!

Keeping operators safe is very important to Imer. The Silent 300 has interlock systems which will not allow the machine to operate if safety grates are not in place. Should a grate be out of position the diagnostic computer will post the appropriate warning on the control panel.



Silent 300	
Motor	Kohler / Lombardini 3 cyl.
Horsepower	20
Pumping system	2L6 rotor/stator
Flow rate	0 - 15 GPM or 4.5 CYPH
Max. pumping pressure	580 PSI
Max. aggregate size	1/4" std. 3/8" w / options
Pipe outlet	50mm
Hopper capacity	8 CF
Mixer capacity	6 CF
Mixer system	Integrated hydraulic drive/dump
Compressor output	14 CFM @ 45 PSI
Weight (palletized)	1,590 (1,800) Lbs.
Dimensions L x W x H (palletized)	132 x 53 x 54 (103 x 60 x 60) in.

This Silent 300 was used to pump Sikacrete 211 SCC+ into forms under the RFK (Triboro) Bridge. Special 50mm hose was used to allow for the 3/8" aggregate to flow up to and into the forms without clogging.

The Silent 300 has been successfully used on a number of high profile bridge deck repair projects. Because the Silent 300 can pump material up to a bridge's underbelly, significant cost savings are realized, and the disruption of traffic is minimized.

Choose the Silent 300 for pumping grouts, concrete with small aggregate, block filling, spraying mortars, fireproofing, underlayment's and general pumping needs.



Thanks to Anjac Construction, NY



The Silent 300 features torsion bar suspension which has both compression and rebound dampening...this allows the unit to glide down the road. It's so smooth you just might forget it's back there.

The tow package of the Silent 300 is as complete and well designed as the rest of the machine. The tow bar pivots in order to line up properly with the hitch point, whether its being towed by an SUV or a dump truck. The steel and other tow bar components are top notch, tow the Silent 300 to the jobsite with complete confidence.

When towing, the stabilization legs slide up and out of the way. When you arrive at the jobsite, lower them to have a safe and stable work platform.



Wired remote control option



Wireless remote control option



Mortar and Fireproofing gun



Optional 5' wand for overhead spraying



Various rotor/stators to choose from



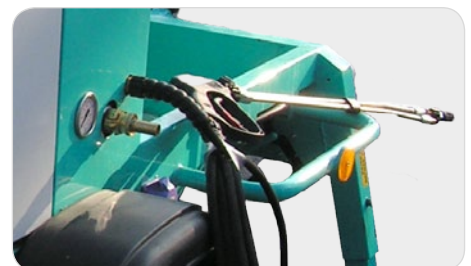
Various hose sizes and diameters are available



The control panel is simple yet intelligent



Built-in air compressor comes standard



Hydraulically driven pressure washer comes standard

Piston Pump

Booster 15

Benefits and Features that Deliver Jobsite Value!

The hydraulic twin cylinder pump provides both low and high volume production capabilities - pump from 2.5 to 20 cubic yards per hour.

The 4 cylinder diesel motor resides inside a quietized engine compartment. Run the Booster 15 anywhere without upsetting the neighbors.

The control panel is vibration isolated and shock proof while the electronic components that manage the operation of the Booster are located within the engine compartment in a hardened computer case...harsh operating conditions are no problem!

The time between S-Valve adjustments is greatly reduced by IMER's pressurized sealing system. With each stroke of the piston pump a series of seals expand to ensure full pumping PSI (1000) is always available.

The hopper has a quick release latch to allow for tilting it over quickly, this speeds up greatly the clean up process and makes service a snap.

The hydraulic oil has two cooling systems, one for the piston drive cylinders and one for the remaining hydraulic functions. This allows the Booster to run for extended periods of time without overheating.

Run it hard - day in and day out!

Standard Equipment

- 4-cylinder Kohler / Lombardini diesel engine
- Hopper with hydraulic feeding paddles
- Pumping unit with S-Valve technology
- 4" Heavy-Duty delivery manifold
- Pump mounted control panel
- Grid with 12 V vibrator
- Forward and reverse
- Cable remote control
- Accessory tool box
- Pipe cleaning kit
- Throttle lever
- Adjustable height stabilizing legs
- Removable rear light panel
- Parking brake
- Complete tow package - lights, brakes, torsion bar suspension fenders

Optional Accessories

- Automatic greasing system
- High pressure jet cleaner
- 5 function radio control
- Secondary pump for shotcreting with additives

The Booster 15 tows like a dream as it comes equipped with torsion bar suspension, which has both compression and rebound dampening. Hooking up to a truck or van is real easy, as the tow bar can be adjusted up and down depending upon the ball hitch's height.

The Booster is easy to service with a flip up hopper and easy to remove side panels. Long life components and very careful assembly ensure that the Booster 15 will be operating at optimal levels for years to come.

Twin 4" pistons provide smooth power to the S-Valve. The S-Valve is powered by an oversized hydraulic pump which makes switching positions extremely fast at any speed.

The Booster is equipped with 3 separate hydraulic pumps to ensure cool running and instant power on demand. You won't find another pump like this anywhere.



Booster 15

Diesel engine	Kohler / Lombardini 4 cyl. Mod. 1404
Horsepower	35
Pumping system	Twin cylinder with hydraulic control
Flow rate	2.5 - 20 Cu. Yd. per hour
Max. pumping pressure	1000 PSI
Max. aggregate size	1"
Pipe outlet	4" Heavy-Duty
Hopper capacity	9 CF
Loading height	42.5"
Weight (palletized)	3,100 (3,300) Lbs.
Dimensions L x W x H (palletized)	156 x 57 x 60 (125 x 62 x 72) in.

Here is the Booster 15 being fed concrete from a Ready-Mix truck. The Booster can be set up and ready to go in minutes...use it for all jobs big and small.

This Booster 15 is shown with an optional splash guard which adds 3 cubic feet of hopper capacity.

3/4" aggregate is no problem for this pump!

The Booster 15 is extremely compact yet it can pump or spray high volumes of material day after day, month after month, year after year. The fit, finish and overall construction of the Booster 15 is the finest in the industry.... Guaranteed!!

A vibrating screen comes standard on the Booster 15. Low slump concrete can flow right through with just a shake or two.

After arrival to the jobsite, lifting points make it safe and convenient to transport the unit from place to place with a crane or forklift.



Pressure washer wand



5 function radio control



Clean-out balls



Gun kit for shotcreting



Gun kit for shotcreting with additives



Compressed air clean-out adapter



Cable remote control



Easy to use controls, operators are confident in no time



S-valve transfer technology and rotating feeder paddles



Hydraulic pressure washer



The Booster 15 is easy to transport. It comes complete with surge brakes, torsion bar suspension and light signals. Additionally, the towbar weight has been engineered to allow one person to roll the Booster into place, and once in place a parking brake and stability legs keep it there.



Demonstrations of our pumps can be arranged with our qualified and experienced personnel. We continue to work with the various material manufactures to better understand how to pump and spray their materials. Give us a call at 800-275-5463, whenever you may have a question or comment.



The Booster 15 can also be fed material by our Henchman 4 HSM, 16 cu. ft. hydraulic mixer. This is helpful when there is insufficient space to accommodate ready-mix trucks or, the material to be mixed comes in pre-packaged bags.

All the various Imer Group branches have conducted extensive testing with the majority of material producers. We have experience with; Sika, BASF, Quickcrete / Spec-Mix, Mapei, Euclid, WR Grace, Thoroseal, 5 Star, Ardex, Conproco, Aquafin, Pleco and many others. New materials are always coming to marketplace, therefore we are always ready to test and develop further...give us a call when you have to pump or spray on your next project.



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Due to our ongoing Research and Development efforts these specifications are subject to change without notice.

Photos used in this catalog may depict products with optional accessories which are not standard equipment.