

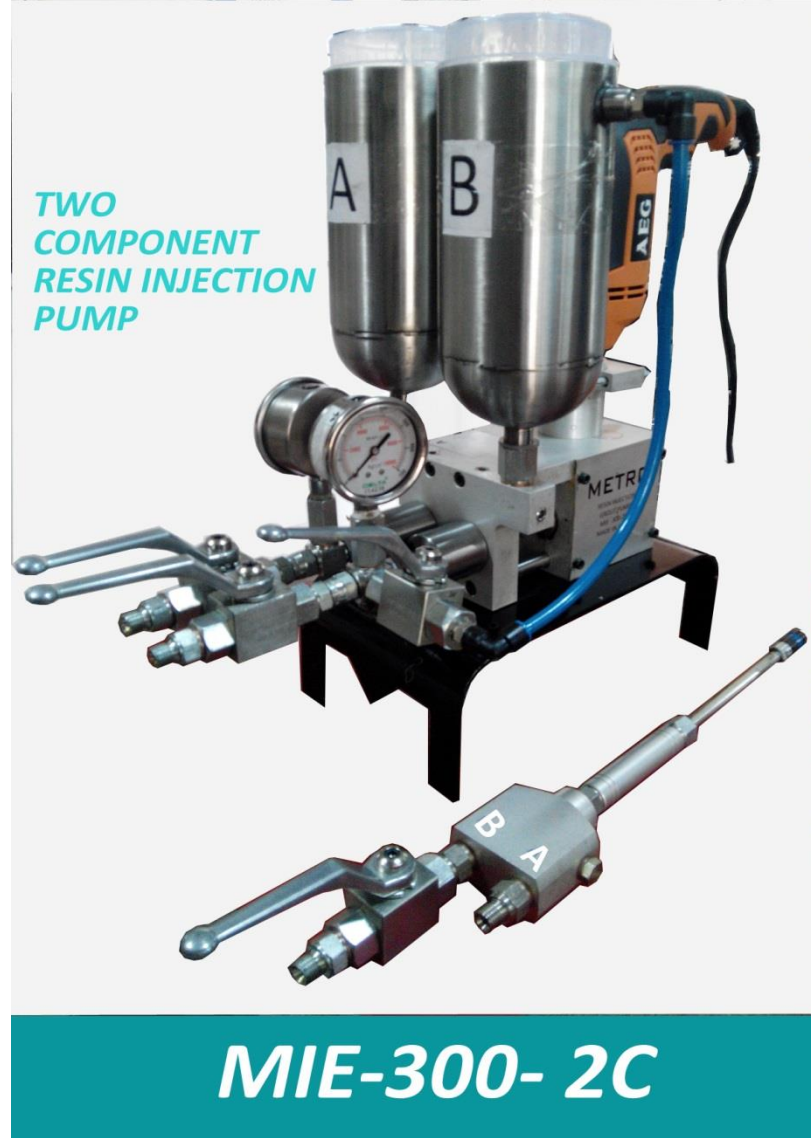
MIE-3002c

Grouting Equipment.

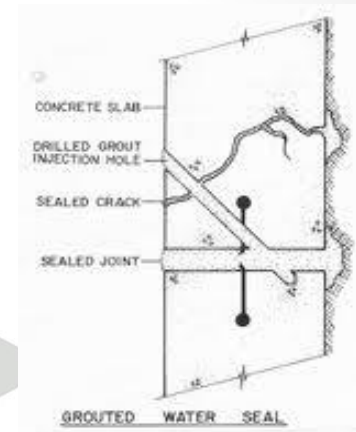
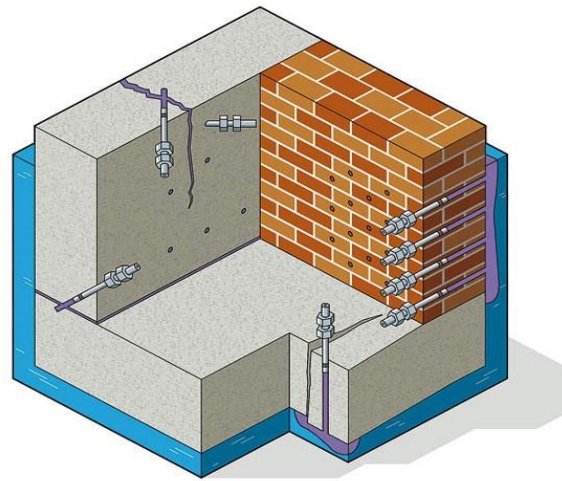


Brand High pressure,
Compact, Professional PU and
Epoxy Resin grouting Pump.

Manufactured by-
Metro Industries,
Bangalore(India).



Grouting:



- **Pressure grouting** involves injecting a grout material into generally isolated pore or void space of which neither the configuration or volume are known, and is often referred to simply as *grouting*.
- The purpose of grouting can be either to strengthen any structure or stop water flow through a formation.
- It is used to correct faults in concrete and masonry structures.
- The grout may be a cementitious, resinous, or solution of chemical mixture.



Resinous or PU Grouting

- The main use of pressure grouting is to improve geomaterials (soil and rock) and remedial water proofing which can be efficiently done by resinous or PU Grouting.



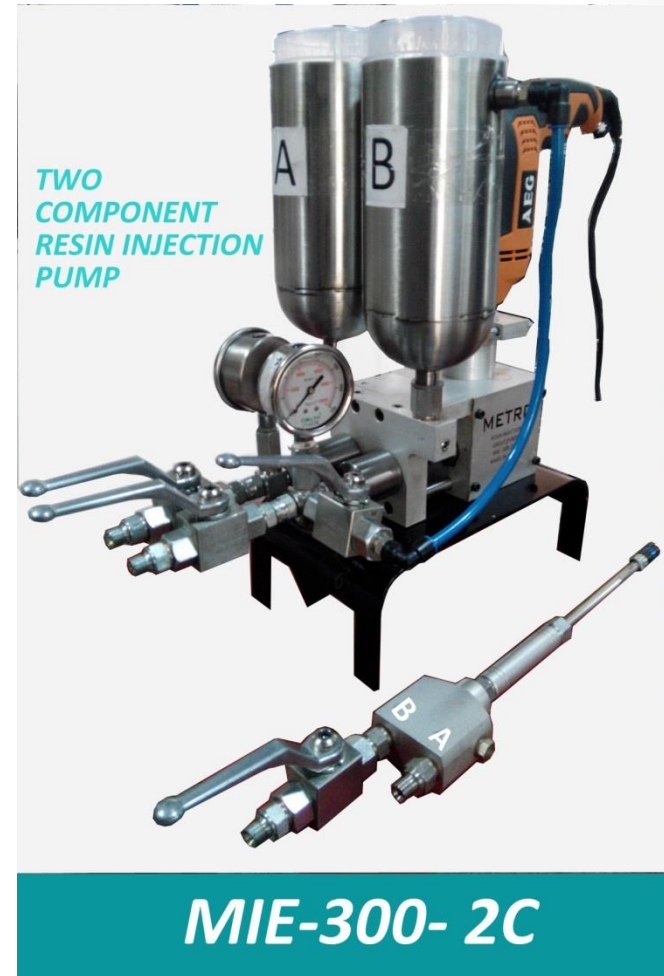
Two Component Resinous or P.U. Grouting

- The two components (Generally named as Type A and Type B) of the grout are mixed in a definite proportion and used to fill the voids.
- These are very fast acting and needs immediate attention after mixing.
- A different type of equipment is suggested for this type of grouting work.

PU or Resinous Grouting Equipment:

Metro Industries provides MIE-300 as a complete set of equipment required for Double component PU or Resinous Grouting:

- MIE-300 Piston Pump.
- Injection packers.
- High pressure hose pipe.
- Injection adaptor.
- Injection nozzle gun.
- Overhauling tools.
- Remote switch.
- Drive motor.

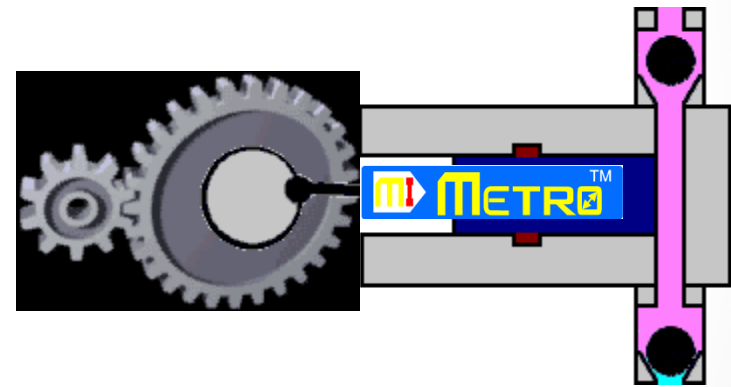


Main Parts of MIE-300 set:



Specifications of MIE-300:

- Working Pressure > 4000 psi(300 Bars).
- Flow Rate – 2000 ml per minute.
- Hopper -1.4 litre Stainless steel*2.
- Hoses - 400 bar pressure.
- Ball valve – 400 bar pressure.
- Pressure gauge – 600 bar pressure.
- Gear box lubrication – grease.
- Fluid handled – PU or Epoxy resin.
- Fluid viscosity – 10 to 1000 cps.
- Electrical connections – single phase 220 volts.



Features and Benefits:

Item	Feature	Benefit
Pump	Output Pressure up-to 5000 psi	Suitable for injection grouting.
	Output discharge up-to 2 LPM	Suitable for fast acting chemicals and time saving.
	Two cylinders	Pumps A and B separately.
	Detachable	Easy to clean and maintain.
Drive Motor	Electronic drill machine	Provides High torque.
	Low Weight (2.7 kg approx.)	Can be carried easily.
	220 V A.C.	Easily available.
Stainless Steel feed Hoppers	1.5 liter capacity- 2 Nos.	High Volume capacity.
	Cleaning	Can be scrapped and cleaned.
	Durability	Highly durable.
	Fluid handling	Epoxies, urethanes, solvents, water.
Fluid Hoses	Compatibility with epoxies, urethanes, solvents, water	One hose fits all – no changing hoses between applications
	Swivel connection	Easy to change hoses – saves time, Orientation at any angle.
	High Pressure capacity.	Suitable for grouting job.
Pressure gauge	5000 psi	Pressure can be regularly monitored.
Injection Gun	Static mixer type design	Mixes fluid immediate before injection.
Other Accessories	Suitability	Suitable with pump and grouting jobs.

Technical Details:

- Ultra light, modular, sophisticated and detachable design.
- High torque and small sized drive motor.
- Designed with proper understanding of site conditions and safety precautions.
- Ultramodern design best suitable for small and medium size professional grouting jobs.
- Can handle any noncorrosive fluid with viscosity range of 10 to 1000 cps.
- Durable design with low cost and low maintenance.
- Easy cleaning.
- Easily replaceable parts.
- Can also be used for 2 component resins.
- Designed compatible for other grouting accessories.



Caution:



THANKS AND REGARDS



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