

**Pursuing Perfect
Quality With Up-to-date Facilities**

Grouting injection pump

High Pressure Grouting Injection Pump for Epoxy Resin and Polyurethane Injection.
Electric Drill Operated Injection Pump
High Pressure 7500 PSI Grouting Injection Pump



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MODEL NO : DHP-M1000



MODEL NO : DHP-M2000

Single Type Grouting Injection Pump (DHP-M1000 Fixed speed motor)

Power supply	AC110V, 220V / 700W
Max. Pressure	7500 psi
Recommended Pressure	3500 psi
Operating method	Electric Drill
Flow Rate	0.4ℓ/min
Weight	13Kg
Speed Change function	Fixed speed rate

Single Type Grouting Injection Pump (DHP-M2000 Two gear motor)

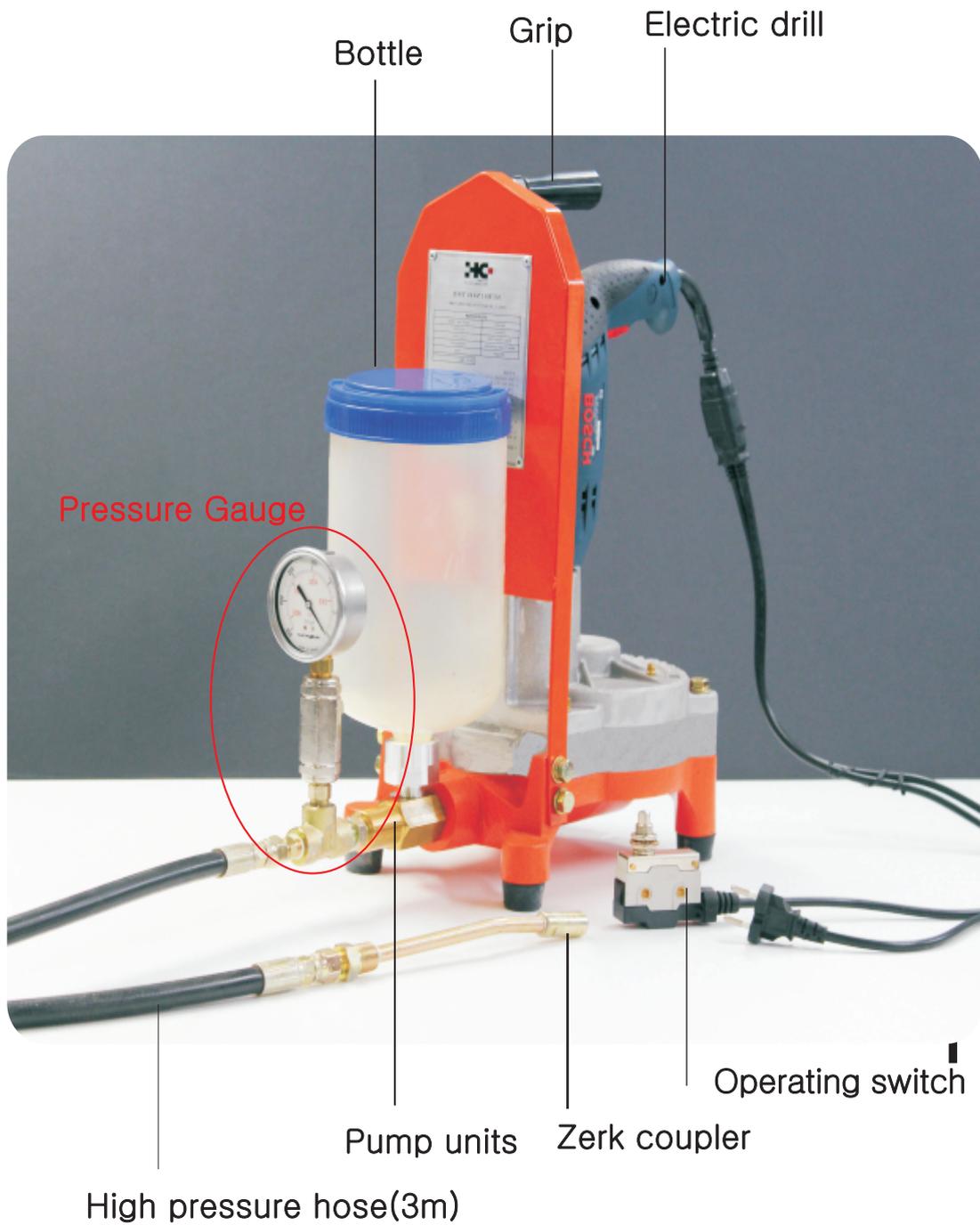
● ● ● Specifications

Power supply	AC110V, 220V / 1,100W
Max. Pressure	7500 psi
Recommended Pressure	3500 psi
Operating method	Electric Drill
Flow Rate	0.55ℓ/min
Weight	13.4Kg
Speed Change function	2 Gear selector

DHP-M Series (Auto injector)

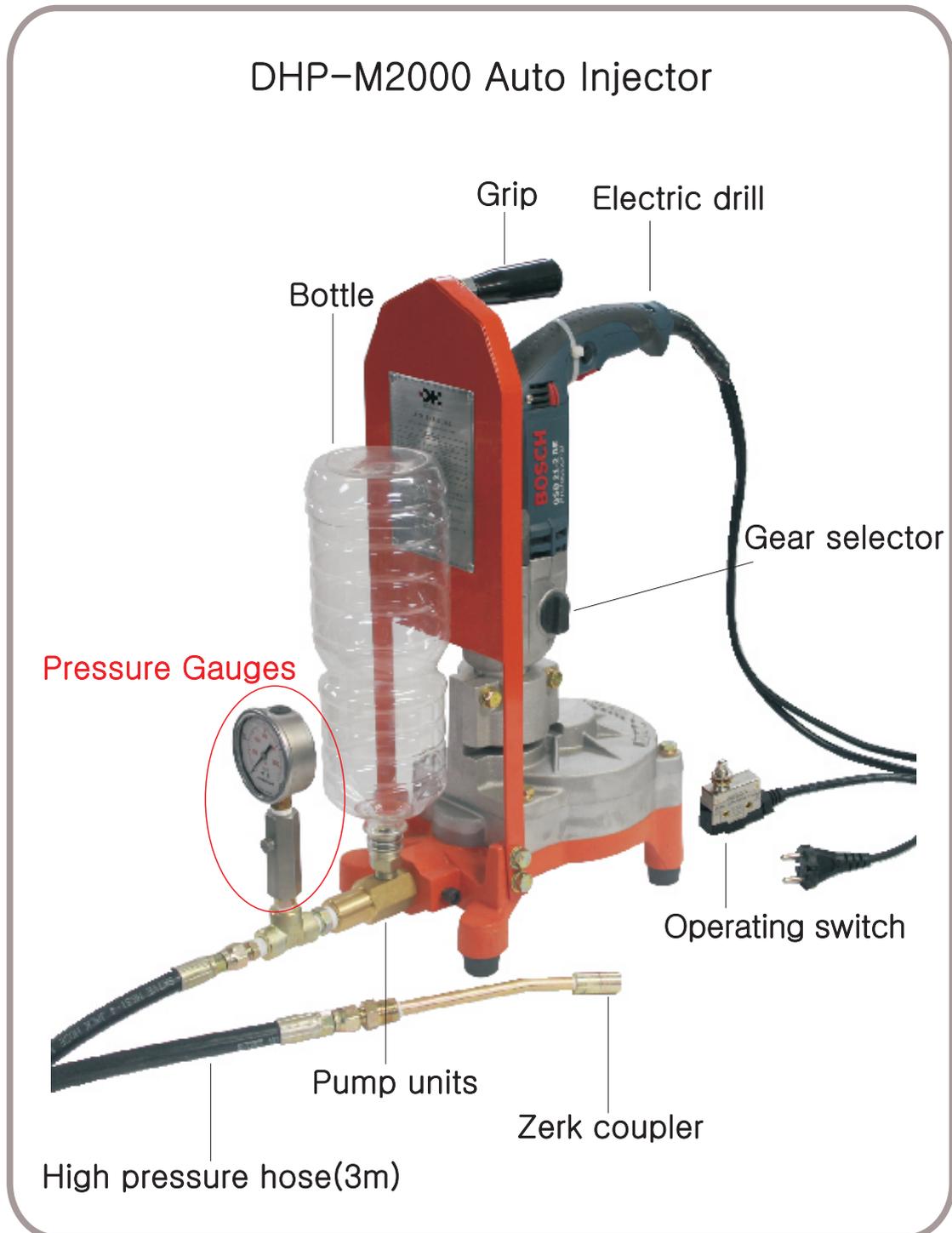
● ● ● **Definition of Components**

DHP-M1000 Auto Injector



DHP-M Series (Auto injector)

● ● ● **Definition of Components**



● ● ● Usage Guidance of the Injection Pump

1 Install the injection pump on the flat place.

2 Connect the power cable with the power.

3 Uncover the bottle and pour the contents (polyurethane foaming/epoxy) into the bottle. Do not fill the bottle over 4/5 and be cautious for the spill

4 Keep the bottle slightly ajar for ventilation. Excessive tightness in lockage may vacuumize the bottle which can result in unsmooth supply of the contents.

5 Insert the injection pump nozzle into the upper packer. The nozzle must be located in an laterally identical position

6 Press the switch to start the injection pump. Press the switch softly before actual operation to check the equipment status. Perform the preliminary injection after initiation of the equipment. You may perform additional injection depending on its smoothness.

7 Clean the farthest end of the grease coupler after the completion of injection for the next work. Seal tightly the bottle with the packer or the sealing lid sold separately in order to prevent hardening of the contents. (You are not recommended to use the pointed-end type such as MATO type.)

8 Clean the inside of the high-pressure hose and injection pump to keep the equipment from being hardened by chemicals. You must clean them especially after the epoxy-injection (steel plate injection agent, low/intermediate / high viscosity injection agent) unless you have the next immediate work.

Easy to operate

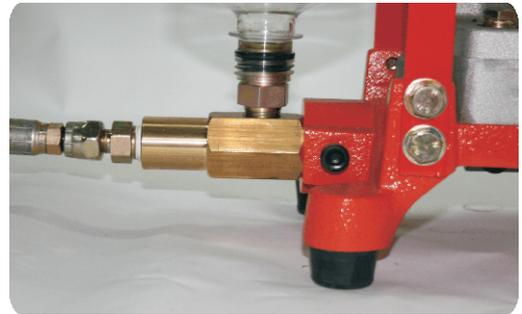


Gear selector



The M2000 comes equipped with a gear selector on the drill to control the speed of the injection process.

Simple pump exchange



Exchanging the pump is easy! All it, takes is turning of the release bolt.

DHP-M Series (Auto injector)

● ● ● How to Clean Injection Pump

Clean the injection pump for storage after injection grouting

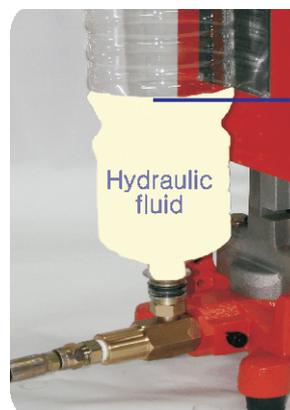
1. Run the injection pump to extract the contents.
2. Fill 1/4 of the bottle with thinner for primary cleaning.
Put the nozzle next to the bottle and keep running the equipment for a sufficient time.
3. Run the injection pump after the primary cleaning to remove thinner thoroughly.
4. Keep the lid hermetically sealed. Cleaning with thinner is acceptable but minimal application is recommended because it may cause damages to rubber and packing when stored for a long period.
5. Fill 1/3 of the injection pump with designated washing oil and keep 1/5 of the pump remaining.
6. Never use thinner with inflammable and volatile characteristics
7. Because the machine's life depends on how to wash the machine after use, make sure to follow the washing instruction.
8. Use new hydraulic fluid with low viscosity, and do not use thinner or waste oil.
9. After injecting epoxy, make sure to clean the machine. After applying single component urethane resin, avoid cleaning if possible, and fill the PET bottle with the urethane by 2/3 to block the air path.
10. Replace the parts including high pressure hose and pump unit if worn out.

No. 1 Washing



In let
Drain off the remaining material to this point, and replace the PET bottle

No. 2 Washing



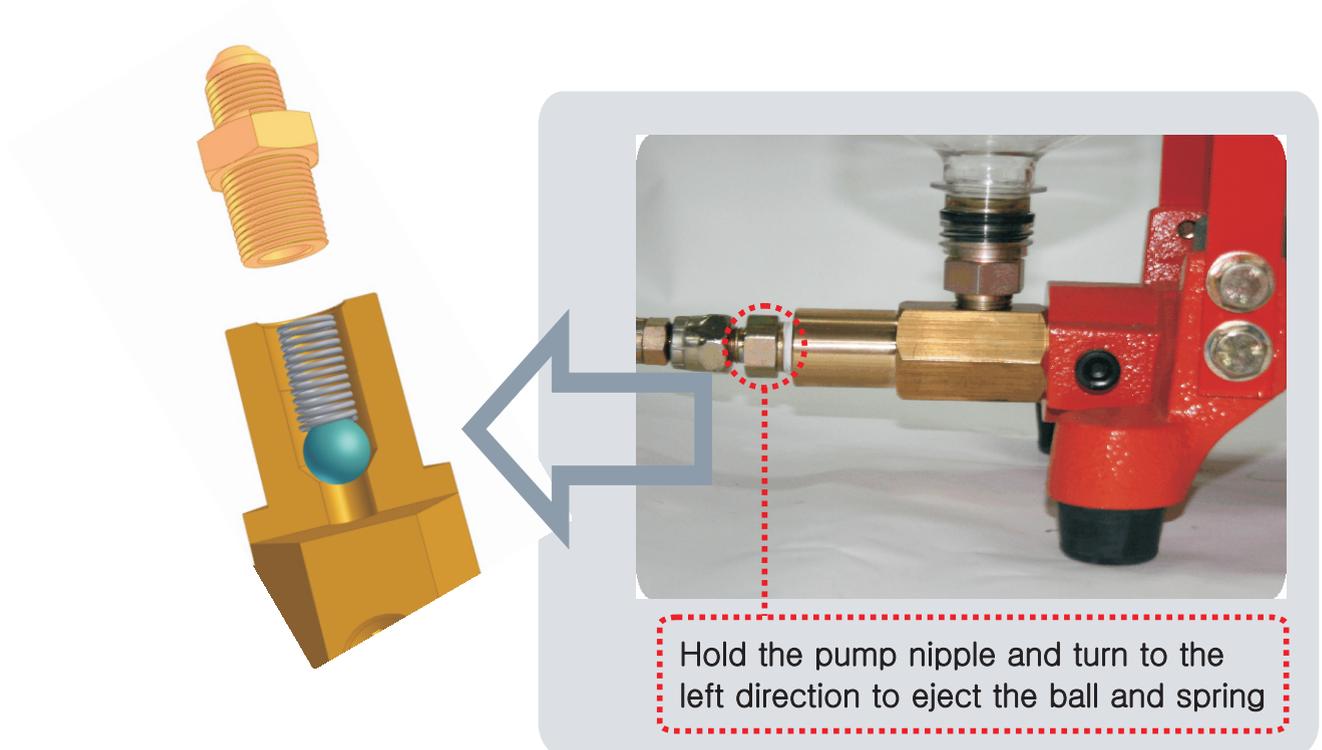
Fill the hydraulic fluid up to this point completely drain off, and clean inside the pump unit(spring, boll) and backflow preventer with cleaning thinner (not epoxy or urethane thinner) and brush. (Incomplete cleaning may decrease injection pressure.)

DHP-M Series (Auto injector)

● ● ● Utility Trip for Equipment with Troubles

- ◆ When the output pressure has remarkably dropped
It may have resulted from the inflow of chemical to the joint part of the spring and the ball. (Especially when cleaning has not been followed by the use of epoxy)
Hold the pressure gauge and turn to the left direction to eject the ball and spring.
Clean the ball and the spring sufficiently for the next use.

Clean the ball and the spring sufficiently for the next use.



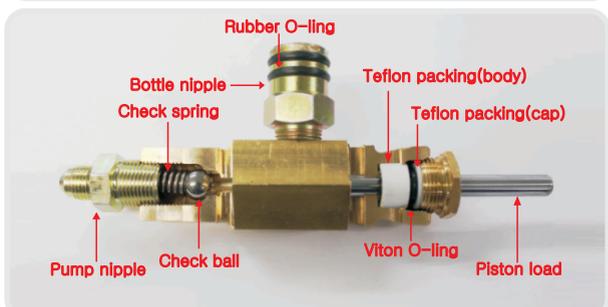
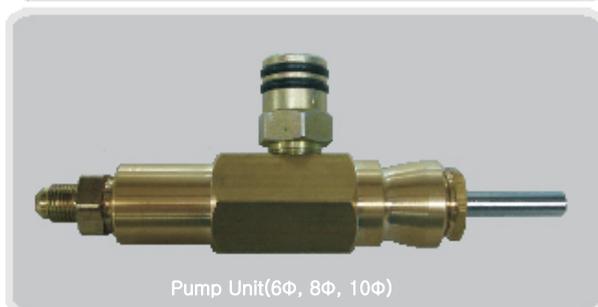
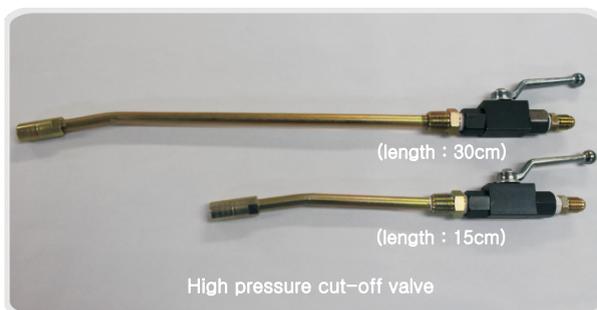
Clean the ball and the spring and reassemble them. They must be placed in the correct order when reassembled

DHP-M Series (Auto injector)

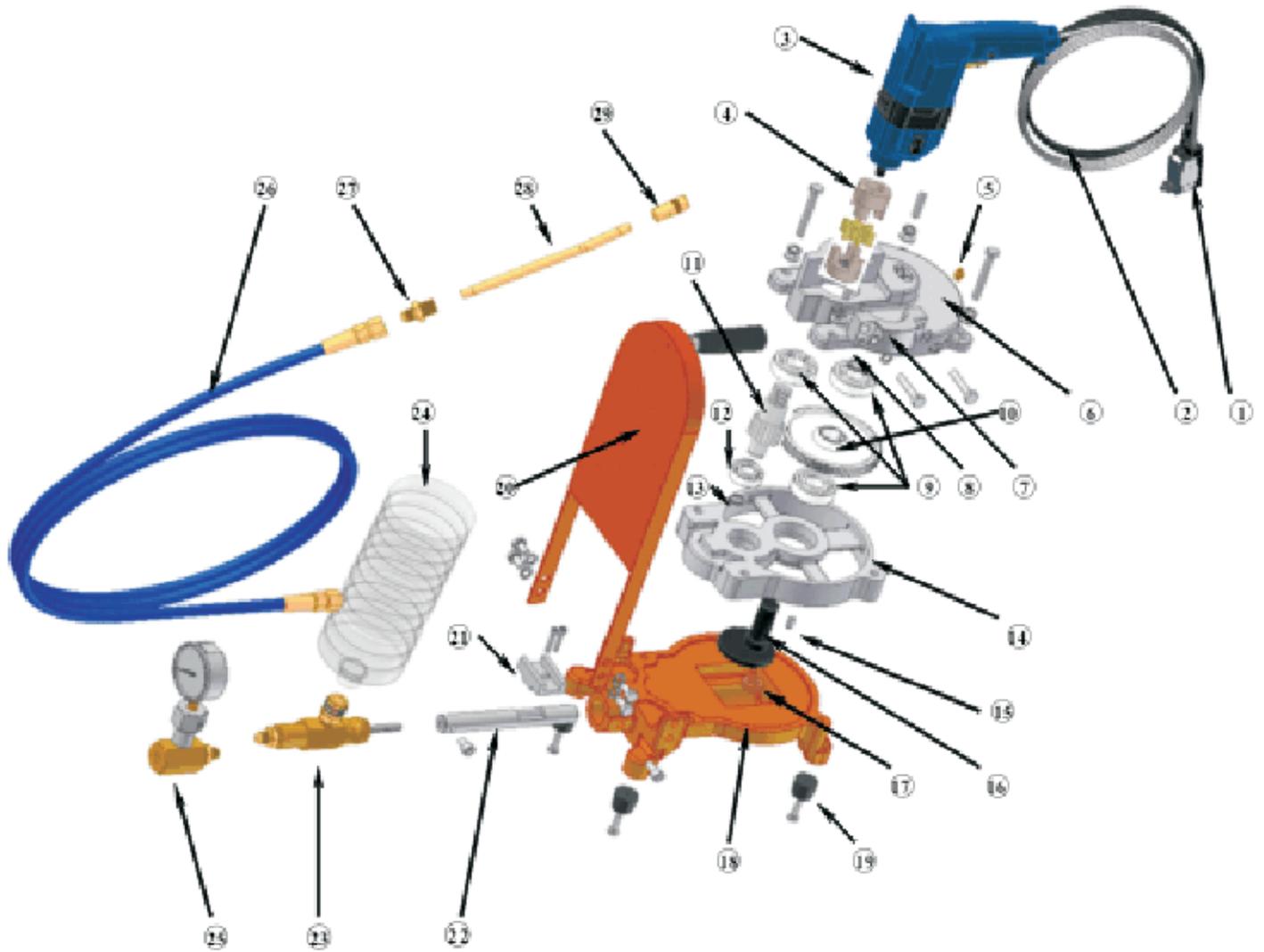
● ● ● Cautions

1. Operation beyond pressure capacity (noise per pressure increase) may cause explosion of the high-pressure hose and injury to the body or eyes.
2. In the event that the water-stop agent gets into the eyes, slightly remove it with clean dressing cloths and immediately consult the doctor. You are recommended to wear protective glasses prior to the injection. Never wash with water as it will be aerated and cause more danger.
3. Work pressure must not exceed the range of 0~350kgf/cm²
4. Connect the power to 220V / 1p, and push the power button.
5. Before injecting material to the crack, make sure that cleaning oil or thinner is completely removed.
6. If the high-pressure hose swells during injection, stop injecting temporarily. If the hose is swollen at the finish of injection, wrap the inlet part with cloth, take out the bottle, and fix the bottle to other inlet.
7. After applying single component urethane resin, avoid cleaning if possible, and fill the PET bottle with the agent by 2/3 to block the air path.

※ Make sure to select correct cleaning oil, urethane thinner or epoxy thinner in accordance with the material used.



Polyurethane Water Stop & Seal Injection Foam Grout



NO	Descriptions		NO	Descriptions		No	Descriptions	
1	Opreating switch		11	Lead gear		21	Slide plate	
2	Electric power line		12	Bearing 6202		22	Slide shaft	
3	Electric motor (20-2RE)		13	Snap ring-15		23	Pump	
4	Coupling set		14	Middle plate		24	Bottle	
5	Nipple-Grease		15	Key		25	Pressure gauge set	
6	Upper plate		16	Crank		26	High pressure hose- 3m	
7	Clamp		17	Crank bushing		27	Hose nipple	
8	Snap ring-20		18	Under base		28	Pipe	
9	Bearing 6204		19	Rubber		29	Grease coupler	
10	Inverted gear		20	Cover handle-2000				