

BK-988 PU Injection Pump



Mechanical advantage

1. Advantages: good mechanical properties.
2. Portable: small size, light weight, easy to carry, simple operation.
3. High efficiency: can reach 0~ 80Mpa working pressure in a few seconds. Advanced technology, time - saving, labor - saving, high efficiency.
4. Safety: reliable technology, reasonable structure, safe use.
5. Pressure continuous: continuous high pressure so that the agent can be effective in the concrete structure of the micro-gap, micro-cracks, micro-pores, capillary filling plug.
6. The structure of non-destructive: direct installation of concrete cracks grouting nozzle grouting, not picking groove, not buried pipe, non-destructive to the structure.
7. With water plugging: for all kinds of crack leakage, honeycomb leakage, underground water gushing, can be directly with water grouting plugging. The slurry can be effectively injected deep into the fracture.
8. Supporting a wide range of materials: polyurethane, epoxy resin, acrylic resin and other non-granular low viscosity slurry materials can be used.
9. Multi-function: one machine multi-purpose, plugging grouting, consolidation grouting, crack reinforcement grouting.
10. Resistance to use: high pressure 80MPa timing body parts do not deform. Simple maintenance, convenient maintenance, durable, convenient cleaning.

Model	BK-988
Motor Power	910W Single Phase AC 220V / 50Hz
No-load	2800 r/min
Flow Rate	0-1 L/min
Max. Output Pressure	13,500psi
Start Again Pressure	< 10,000psi
Safety Range of High Pressure Pipe	< 15,000psi
Safety Range of On/Off Valve	<10,000psi
Safety Range of Nozzle	<10,000psi
Price	\$ 450.00 / unit (without Calibration) Pressure Gauge Calibration extra \$ 80.00 (Lead-time 7 working days)
Warranty	- 1 month from date of delivery against manufacturing fault. - Warranty does not cover any damage caused as a result of improper use, abuse, modification or alteration of the product.

Option Accessories

Item Code	Description	Price	Picture
BK988-A08	Injection Packer A8 10x80mm	\$ 0.80	
BK988-A10	Injection Packer A8 13x80mm	\$ 1.00	
BK988-12	Zerk / Nozzle for BK988	\$ 4.50	
BK988-12-03	Pad of Zerk BK988 (10pc/pack)	\$ 3.50	
POLYG-20KG CATA-1KG	POLYURETHANE GROUT 20KG CATALYST C (1KG)	\$ 280.00 \$ 35.00	

Grouting Materials— **Polyurethane Grout with Catalyst**



Description:

Polyurethane Grout (PU) with catalyst is a hydrophobic grout based on MDI. When PU comes into contact with water, it will react and expand up to 30 times to foam. PU is 100% solid and solvent free. Reaction time can be controlled and adjusted by the addition of catalyst.

Direction of Use

Drill holes of appropriate diameter with selected packer. Drills are aimed 45 degrees downwards into the walls.

It is recommended that the holes created in the wall be staggered around the cracks to ensure good sealing coverage of these cracks.

It is advisable to use separate pumps for water and grout injection to prevent contamination.

Inject polyurethane grout into packers in the holes.

Allowing small leakage of the grout through wall cracks can show the extent of chemical travel. Large leaks can be wiped off, wait for the PU to set and then continue injecting.

Once the pumping of PU grout is done, clean all machines and pumps in contact with the chemical using thinner.

Consumption of PU grout is to be estimated by the operator and is also dependent on the size of the crack and void.

Field of Application

Used for stopping gushing water leaks.

Used to block and seal off water leaks in diaphragm walls, tunnel segment and secant bore pile.

Fills voids, cracks, cavity and honeycomb.

Packing

PU comes in the following packaging:

PU Grout(20kg metal drum)

Catalyst (1kg bottle)

Additional Accessories

(To be ordered separately)

Packers (Metal, Aluminum, Plastic)

Connectors

Drill Bit

Thinner

Hand gloves

Safety goggles