

**CUSTOMER FOCUSED. SOLUTION DRIVEN.**



# D-12 Grout Plant



- 49.5 HP Kubota diesel engine, Tier 4 Final
- Detachable power pack
- 60 gal high shear colloidal mixer
- 150 gal holding tank
- 60 gal per minute and up to 1800 psi

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# INTRIC D-12 Grout Plant

## STANDARD FEATURES

### Frame

- Skid mounted steel frame, partially encased
- Forklift slots
- Powder coat

### Mixing Tank

- Round stainless steel tank, bottom inclined to outlet
- Tank capacity: 230 l (60.84 U.S. gal)
- Hopper with bag ripper
- High shear colloidal mixing element
- Drive bearing above the mixing level
- No packing seal, therefore runs dry without problems

### Operating Elements

- Two turning knobs for variable speed mixing
- Turning knob for adjusting maximum pressure
- Turning knob for changing speed of delivery rate (l/min/U.S. gal/min)
- On/off switch for delivery pump (grouting pump)
- On/off button for semi-automatic water dosage (special equipment SA 7/2)

### Water Dosage

- Water distributor with flushing connection
- Water-holding and dosing tank V=160 l (42.32 U.S. gal)
- Two-piece, hand-operated outlet valve

### Delivery Pump

- Double-acting, single-piston, horizontal pump

### Delivery Pressure

- Pressure transmitter to digital indicator

### Hydraulic

- Oil tank capacity approximately 151.42 l (40 U.S. gal)
- Oil filling and breather filter
- Oil level and temperature indication
- Electric cooling fan

### Diesel Drive

- Three-cylinder Kubota Diesel Engine, Tier 4 Final, liquid-cooled
- 49.5HP
- Tank capacity approximately 83.28 l (22 U.S. gal)
- Starter battery

### Additional Features

- Integrated toolbox included next to water tank (20 x 18 x 36)
- Four work lights

### Optional Extras

- Spare parts sets
- Pressure hoses
- Remote controls

## TECHNICAL DATA

### Engine

Kubota Diesel Engine, Tier 4 Final, Stage III B 49.5HP.  
Fuel Burn Rate:

- 2200 rpm = 2.22 gal/h • 2400 rpm = 2.48 gal/h

### Mixing Tank

- High-shear mixing tool mounted in the middle on mixing shaft, high-shear mixing and colloidal tool mounted on mixing shaft bottom part
- Adjustable mixing speed from 0-1800 rpm hydraulic driven
- Mixing performance on W/C ratio down to 0.32 by weight
- Mixing tank acts as storage tank simply by turning down mixing speed after mix is ready
- Capacity: 60 gal
- Storage tank capacity: 150 gal

### Grout Pump

- Single hydraulic-driven, double-acting piston pump, check valve operated suction and pressure valves
- Maximum Flow: 60 gal/min\*
- Maximum Pressure: 1800 PSI (120 bar)\*

### Power Pack

- Power Pack contains hydraulic tank (40 gal) and diesel tank (22 gal) as well as Diesel Engine and Hydraulic Intelligence
- The Power Pack is completely detachable from main frame for the possibility to operate Mixer and Pump Unit from a certain distance (inside buildings or tunnels) simply by extending hydraulic lines and control cables

### Digital Screen

Monitor flow and pressure on internal digital screen. Volume is calculated by stroke counting.\*\*

### Specifications

- Dimensions: 72W x 95L x 80H
- Weight: 4600 lbs

*\*Both maximum performances are not reachable at the same time.*

*\*\*Flow on display is a theoretical calculated volume by counting the strokes. Accuracy can be off by 100% (if suction line is not connected or hoses are plugged, etc., pump will continue to count!).*