

The MINIGROUT II-S is a modern multifunctional grouting unit that can be deployed in a wide variety of work site environments. It is suitable for the mixing of water-bentonite / cement and other additives.

The unit is powered by electrical motors only, refraining from traditional combustion engines and removing exhaust fumes from the process.

Due to this feature the unit is specifically suitable for use in underground mining, civil tunnelling projects, and other confined work environment where the use of traditional plant is restricted.

It is the perfect production machine with a 700L holding tank capacity and a production flow rate of up to 166L/min at a constant flow, with maximum pressures of 20 bar, provided by the progressive cavity pump.

The Injection/Mixing grout unit "Minigrout II S" comprises the following essential elements:

- High shear mixer
- Agitation tank
- Mixer pump
- Pumping unit (progressive cavity pump)
- Electrical cabinet + control panel
- Electric motors



All the start and stop operations of the three main components (High shear mixer, agitator and grout pump) are managed by the control panel. Two valves open and close accordingly allowing the mixing of the product and its passage to the agitator tank. Another valve controls the flow of product into the cavity pump for delivery to site.

The ItalSwiss II-S is equipped with the following Safety devices:

- A safety device reduces the speed of the motor to preserve his integrity when pressure go above 20 bar
- Safety grating with bag breaker to facilitate easy adding of cement while body parts are protected from contact with the agitator.
- Emergency buttons to shut down the machine
- Agitator proximity sensor on the lid shutting the mixer down when the lid is not properly closed.
- Plastic covers for the shaft of the cavity pump

TECHNICAL DATA	
ELECTRIC MOTORS	7,5 KW HIGH SHEAR MIXER 1,5 KW AGITATOR 7,5 KW GROUTING PUMP
MIXING TANK CAPACITY	350 LITRES - HIGH SHEAR MIXER
HOLDING TANK CAPACITY	700L - AGITATOR

ITALSWISS MINIGROUT II-S GROUT PUMP PLANT DATA SHEET



MIXING SPEED	90 rpm – 1100 L/min
YEAR OF MANUFACTURE	2017
PURPOSE	CEMENT AND BENTONITE MIXING AND GROUTING
MAX DELIVERY PRESSURE	24 BAR
MAX FLOW RATE	10 M ³ /H – 166 L/MIN
GROUT OUTLET	2"
RECOMMENDED POWER SUPPLY	60KVA GENERATOR WITH MIN FOLLOWING SPEC: 415 AC 3 Phase; 50 Hz, 32A (32amp PLUG)

