



GROUT INJECTION CONSOLE

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By console we mean the part that performs the injection of the cement, measuring 750X1050X H=1500 mm, and the part formed by the mixer, a system devised for mixing water with cement, with a diameter of 900 mm and a height of 1600 mm. The first part consists of a hydraulic control unit built into the structure and of supports to secure the injector in place; the second part instead consists of two cylindrical overlaid baths, each with a capacity of 150 litres, used for the preparation of the mixture (the top one) and for the injector feed (the bottom one), all activated by an electric engine with geared motor.

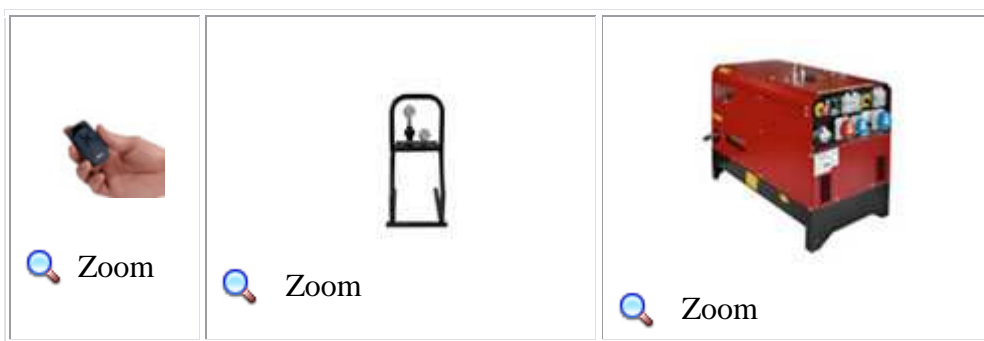
The deposit ready for injection, if the 150 litre mixer is not sufficient, is formed using the mixer which consists of two cylindrical overlaid baths, each with a capacity of 300 litres; and the latter measures 1280 mm in diameter and 1590 mm in height.

For the correct texture and quality of the paste to be injected, we have added the turbo mixer, which is able to produce 10 m³/h of grout. The turbo mixer takes up a total space of 1100 (width) x 1500 (depth) x height 1525 mm



The machine can be fitted with appropriate optionals which simplify the operator's task. The optionals in the console are not only of great help to the operator, but they also make the work area completely independent from the other machines, since we are in a position to offer our customers not only the machine for injecting but also a silenced current GENERATOR with a RUGGERINI 4-stroke diesel engine and electric ignition, which powers the console and the mixer. Moreover, the generator allows the use of 220 and 380V equipment. Other optionals include the remote control to start and stop the injection cycle, auxiliary dual effect sockets which can be remote controlled,

pressure gauge support stand to be positioned near the injection, on which the oil and cement pressure can be read. The console can operate in two different modes. In fact both a slow and a rapid filling are possible.



FAST FILLING	Oil flowrate	60 l/min.
	Cement side pressure	30-35 bar
	Thrust for minute	60 max
	Oil maximum pressure	60-70 bar
	Oil capacity jacks	0,872 dm ³
	Electric engine power	7,35 kW - 10 Cv
SLOW FILLING	Oil Flowrate	10 l/min.
	Cement side pressure	80-85 bar
	Thrust for minute	10
	Oil maximum pressure	200-210 bar
	Electric engine power	7,35 kW - 10 Cv

CEMENT MIXER	Capacity per bath	150 l
	Electric engine power	1,1 kW - 1,5 Cv
	Electric geared motor	1400/58 giri/min
	Hopper height	110 cm
	Bath diameter	90 cm
	Bath height	33 cm
	Cement output diameter	2"
	Ball cock	1"
	Weight	235 kg

TURBO CEMENT MIXER	Bath capacity	150 l
	Electric engine power	7,35 kW - 10 Cv
	Hopper height	105 cm
	Bath diameter	76 cm
	Bath height	43 cm

	Water inlet diameter	3/4"
	Cement output diameter	2"
	Grout production	10 m ³ /h
	Weight	480 kg

Every component of the injection unit will be supplied with a technical leaflet and the use and maintenance manual and the relevant CE mark of conformity.

The console can perform injections of minipiles, tie rods and other types of cementing.