

Fluid management  
Mixing system MS 700

Swiss made



# Mixing system MS 700

Fluid management

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## HIGH SPEED INJECTOR

The high speed injector is equipped with a big funnel for 25 kg of bentonite. Next to it is a cleaning pipe with hose. It cleans the injector if it gets stuck.

## COMPACT DESIGN

The **MS 700** has a very compact design. It can be installed easily on a truck without taking too much space. The mixing station can be lifted with a fork lift or with a crane or excavator at the four lifting eyes. If lifted, the tank must always be empty.



## HIGHEST EFFICIENCY AND PERFORMANCE

The **MS 700** fluid mixing system was designed to provide highest performance and efficiency at low costs. Powered by a proven HONDA mixing pump it offers up to 700 ltr/min of drilling fluid.

The **MS 700** supports horizontal directional drilling systems of all sizes.

## 2.000 OR 2x 2.000 LTR TANK WITH BOTTOM FLUSHING

The **MS 700** is standardly equipped with a 2.000 ltr tank. TERRA also offers a second tank for a higher drilling fluid capacity. Both tanks have integrated a special bottom flushing system. It prevents that the bentonite settles down at the bottom. It is fed from the top and can be opened with a user friendly regulation valve.

## FUNNEL WITH UNDERPRESSURE (VENTURI SYSTEM)

The big funnel with cutting knife makes your HDD live easier on the jobsite. The cutting knife in the funnel opens the bentonite bags. A 25 kg bag of bentonite can be placed besides the funnel. Due to the venturi pipe there is an underpressure in the whole system. The bentonite is sucked into the mixing unit which provides a reliable mixing.



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## Technical Specifications

	METRIC	IMPERIAL (U.S.)
Power	5 HP (4 kW)	5 HP (4 kW)
Fuel	Petrol	Petrol
Pump discharge rate	700 ltr/min	185 gpm
Fluid pressure	26 m (2.6 bar)	377 psi
Typical tank mixing time	7 – 10 min	7 – 10 min
Mixing hopper capacity	25 kg	55 lbs
Drilling fluid tank capacity	2.000 / 2x 2.000 ltr	528 / 2x 528 gal
Dimensions with one tank L x W x H	2.300 x 1.400 x 1.950 mm	90 x 55 x 77 in
Dimensions with two tanks L x W x H	2.300 x 2.200 x 1.950 mm	90 x 87 x 77 in
Weight with one tank (empty)	780 kg	1.720 lbs
Weight with one tanks (full)	2.780 kg	6.130 lbs
Weight with two tank (empty)	1.430 kg	3.150 lbs
Weight with two tanks (full)	5.680 kg	12.500 lbs

\* All data depending on ground conditions. Technical Data may change without prior notice.

## TERRA – always one drill ahead!



### PREMIUM DRILLING TOOLS

High quality drilling tools and reamers are available for all ground conditions. They are designed and produced inhouse at TERRA to maintain peak performance.



### DCI LOCATING EQUIPMENT

TERRA is an official dealer of DCI. With the new Falcon system even challenging ground conditions with high interferences can be successfully done.



### MIXING SYSTEMS

The mixing systems from TERRA allow a fast and efficient mixing of the drilling volume. They are quiet, easy to handle and offer a high capacity of your drilling volume.



### CUSTOMER SERVICE

Satisfied clients worldwide and a great customer service are the result of our constant progress. The TERRA-JET Directional Drill is a must have for every contractor!