

Fluid management
Mixing system MS 850e

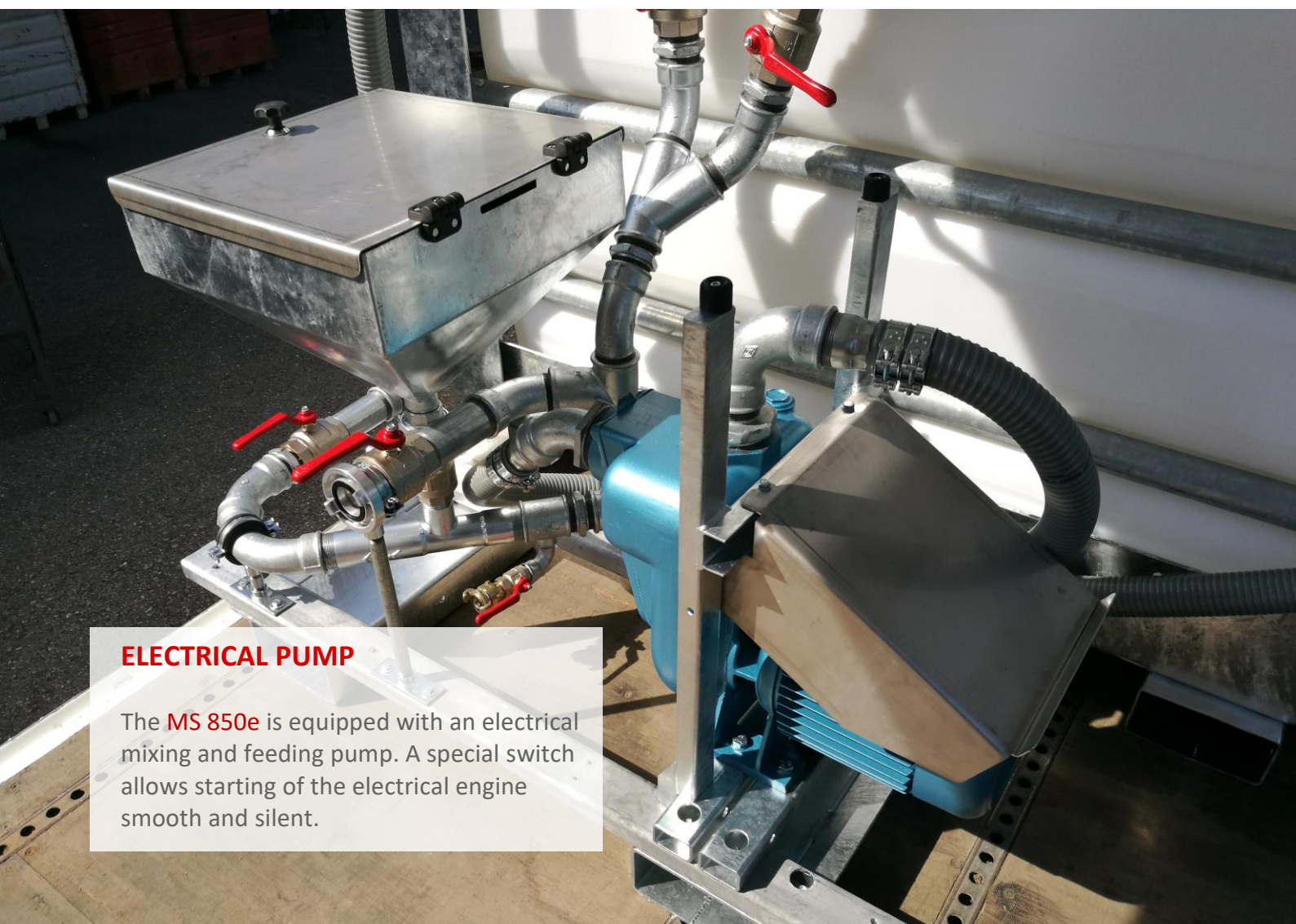
Swiss made





BENTONITE AND FRESH WATER TANK

The **MS 850e** has a very compact design. It can be installed easily on a truck without taking too much space. The mixing station can be equipped with one or two tanks. The first tank is for the Bentonite. The second tank is for fresh water. TERRA offers 2.000 ltr and 3.000 ltr tanks.



ELECTRICAL PUMP

The **MS 850e** is equipped with an electrical mixing and feeding pump. A special switch allows starting of the electrical engine smooth and silent.

HIGHEST EFFICIENCY AND PERFORMANCE

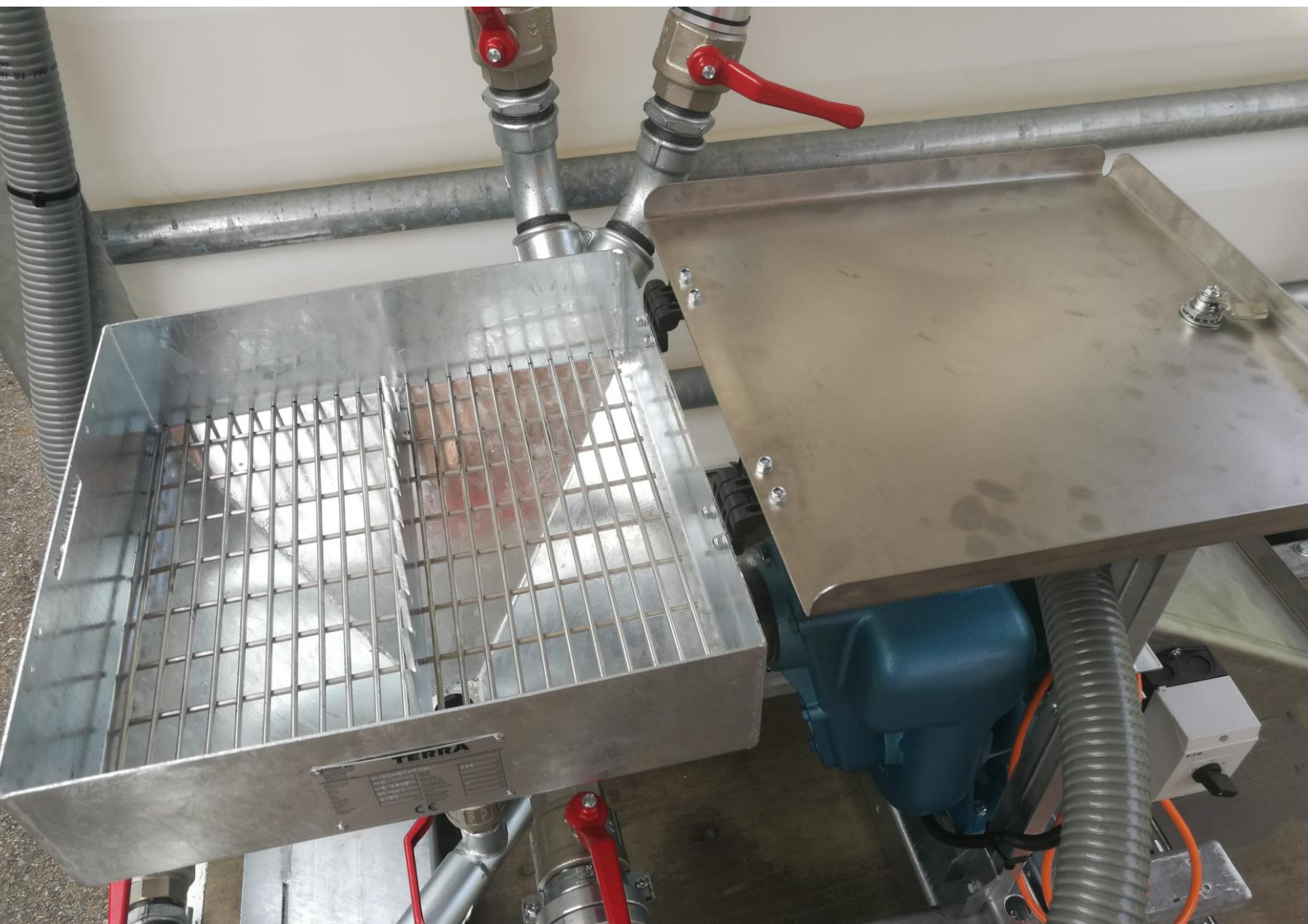
The **MS 850e** fluid mixing system is designed to provide highest performance and efficiency at low costs. Powered by a proven mixing pump with special seals for the Bentonite, it offers up to 850 ltr/min of drilling fluid. The **MS 850e** supports horizontal directional drilling systems of all sizes.

ELECTRICAL DRIVEN PUMP

The **MS 850e** is electrical driven. The pump requires 5.5 HP (4 kW). TERRA recommends a Diesel Power Generator with 15-20 kVA. The electrical pump is quiet and environmentally friendly.

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.



Mixing system MS 850e

Technical Specifications

	METRIC	IMPERIAL (U.S.)
Power	5.5 HP (4 kW)	5.5 HP (4 kW)
Engine	Electrical	Electrical
Pump discharge rate	850 ltr/min	195 gpm
Fluid pressure	26 m (2.6 bar)	377 psi
Recommended Diesel Power Generator	15-20 kVA	15-20 kVA
Typical tank mixing time	5 min per 1'000 ltr of water	5 min per 1'000 ltr of water
Mixing hopper capacity	25 kg	55 lbs
Drilling fluid tank capacity	2'000 ltr / 2x 2'000 ltr	528 gal / 2x 528 gal
- optional	3'000 ltr / 2x 3'000 ltr	792 gal / 2x 792 gal
Dimensions, L x W x H		
- with 1x 2'000 ltr tank	2.30 x 1.40 x 1.85 m	7.50 x 4.60 x 5.90 ft
- with 2x 2'000 ltr tank	2.30 x 2.20 x 1.85 m	7.50 x 7.20 x 5.90 ft
- with 1x 3'000 ltr tank	2.90 x 1.50 x 1.85 m	9.50 x 4.90 x 5.90 ft
- with 2x 3'000 ltr tank	2.90 x 2.40 x 1.85 m	9.50 x 7.90 x 5.90 ft
Weight, empty tank		
- with 1x 2'000 ltr tank	520 kg	1'145 lbs
- with 2x 2'000 ltr tank	805 kg	1'775 lbs
- with 1x 3'000 ltr tank	665 kg	1'465 lbs
- with 2x 3'000 ltr tank	1'100 kg	2'425 lbs

* 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!