



Pump
Powerful and durable in various configurations

Control system
Independent or in combination with other systems

MTS – Mother-daughter station

**Uninterrupted supply to your
production plant**

Discharging stations

- ⊕ the solution for the independent removal of fluid substances from IBC transport containers.
- ⊕ the alternative to tank systems.
- ⊕ a high level of flexibility for your production.
- ⊕ standard or customised.

MTS – Mother-daughter station CONFIGURATION

BASE

Collection basin

Welded steel collection basin, approved to WHG

⊕ Volume [l]	> 1.250 litres
⊕ Material	S235JR
⊕ Surface	Painted RAL7035
⊕ Dimensions [mm]	2.000 x 1.400
⊕ Height* [mm]	2.000 (3.800)*

*with positioned IBC container

Buffer tank

With filling level measuring equipment and IBC container attachment

⊕ Volume [l]	1.250
⊕ Material	Stainless steel

Pump

Compressed air diaphragm pump with switch on and compressed air controller

⊕ Pumping volume [l/h]	see diagram
⊕ max. pumping pressure* [bar]	6
⊕ max. viscosity [mPas]	2.000

*depends on compressed air supply

Equipment

- ⊕ Filling level measurement & overflow protection
- ⊕ Hose and coupling device
- ⊕ Pump protection filter
- ⊕ Dry-run protection
- ⊕ Pressure sensor
- ⊕ Shut-off fittings and internal pipework

Switching system

in independent control cabinet, functions:

- ⊕ Discharge controlled by an external demand contact
- ⊕ Automatic refilling
- ⊕ Dry-run protection
- ⊕ Visual acoustic fault signal with malfunction contact
- ⊕ Mixing, interval and speed controlled*
- ⊕ Recirculation, interval-controlled*

*other options required

Connection values

⊕ Electrical	400 V, 50 Hz, 4,0 kW*
⊕ Compressed air	6 bar

*depends on other options

OPTIONEN

Screw pump

Sealing system slide ring seal MTS-SSP-GLRD

⊕ Pumping volume [l/h]	1.200
⊕ max. pumping pressure [bar]	8
⊕ max. viscosity [mPas]	2.000

Screw pump¹⁾

Sealing system magnetic coupling MTS-SSP-MAGK

⊕ Pumping volume [l/h]	1.200
⊕ max. pumping pressure [bar]	8
⊕ max. viscosity [mPas]	2.000

Frequency control of the pump

Pump speed control with manual setpoints MTS-SSP-FU

Connection for closed circular pipeline flow²⁾

with a pressure retention valve MTS-AR

Mixer for buffer tank²⁾

Visco-Jet Mixer MTS-PB-RV

⊕ max. viscosity [mPas]	2.000
⊕ motor power [kW]	1,5

Mixer on traverse for IBC

Visco-Jet mixer for manual mixing on the IBC MTS-TR-RV

⊕ max. viscosity [mPas]	2.000
⊕ motor power [kW]	1,5

Ventilation device¹⁾

via air drying cartridge MTS-BE

- 1) Recommended for isocyanates
- 2) Recommended for polyols

SPECIAL VERSIONS

Heating

Buffer tank, equipment and pipework with electrical heating and insulation.

- ⊕ max. operating temperature [°C]

ATEX-model

Atex-conform version of the station.

Due to the large number of parameters that need to be set to ensure safe operation of the system in explosive areas, the following values should be known in advance:

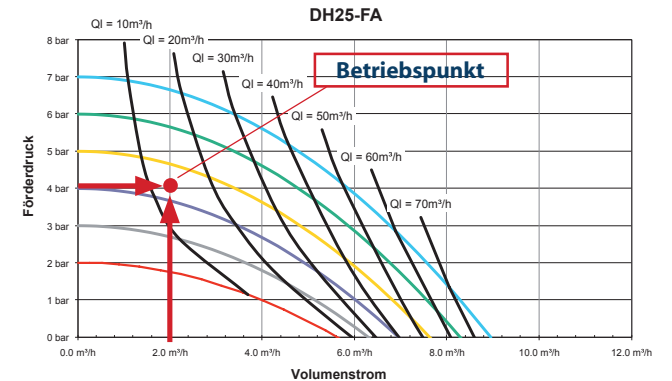
Environment

- ⊕ Substance group [G/D].....
- ⊕ Atex-Zone environment.....
- ⊕ Temperature class

Medium

- ⊕ Product designation.....
- ⊕ Viscosity [mPas].....
- ⊕ Max. operating temperature [°C].....
- ⊕ Flashpoint [°C].....
- ⊕ Ignition temperature [°C].....
- ⊕ Explosion group [a;b;c].....

Performance diagram compressed air diaphragm pump (for a viscosity of 1 mPas)



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