



# CONFIGURABLE DOSING TANK STATION

## Storing and dosing liquid chemicals

### General

Dosing is precision work and one of the main tasks in chemical and process engineering as well as water treatment. Thus dosing requires precise adjustment of the pump and its accessories to the process parameters of the respective application. DIGITAL DOSING™ pumps are delivering an optimal performance in these application fields.

As they are easy to install, DTS dosing tank stations are the first choice in the matter of economic efficiency when adding liquids such as coagulants, disinfectants or neutralising agents to a process in a precise and controlled way.

DTS dosing tank stations are intended for storing and dosing liquids. Many different configurations can be selected flexibly to fulfil various dosing tasks. Due to the use of high-quality materials, DTS dosing tank stations can be employed for diverse dosing liquids. The selection of materials can be adapted via the configuration.

### Components and features

- Chemically resistant tank made of UV-stabilised, semitransparent or black polyethylene, in 6 sizes from 60 to 1000 litres, with embossed litre scale and PE screw cover
- PE collecting tray
- Handheld mixer or electric stirrer (230 V, 50 Hz) with level switch for dry-running protection
- Rigid suction lance or foot valve made of PE, with 2-step level switch for dry-running protection, suction line to the dosing pump
- PVC or PP injection unit with G 1/2 process connection

- PE or PVC discharge line (10 m)
- Drain valve
- Filling armature with ball valve (for all tank sizes) or dissolving hopper (from 200 l)
- Multi-function valve
- Prepared for the installation of a dosing pump DDA, DDC, DDE, DMX 221 or DDI 60-10 including necessary assembly material (connectors, click-plate and screws depending on pump type)

### Note:

Dosing pumps are not comprised in a standard delivery. They have to be ordered separately.

### Applications

- Dosing of biocides and inhibitors into cooling water
- Dosing of lyes and acids for pH regulation
- Dosing of coagulants, such as ferric(II)chloride or ferric(III) chloride, for waste water treatment
- Dosing of hypochlorite
- Dosing of cleaning agents and disinfectants (CIP, cleaning machines)

## Type key

### Example

DTS 100 T 1 0 3 4 RE E 4 A 1 H

### Product type

DTS Dosing Tank Station

### Tank size

60 60 litres  
100 100 litres  
200 200 litres  
300 300 litres  
500 500 litres  
1000 1000 litres

### Tank colour

T Transparent  
B Black

### Collecting tray

0 Without  
1 Collecting tray

### Screw cover

0 Black screw cover without lock

### Mixer or stirrer

0 Without  
1 Handheld mixer, PE  
2 Electric stirrer, stainless steel  
3 Electric stirrer, PP, with sealing flange

### Preparation for dosing pump

0 Without  
1 Preparation for DMX 221 up to 50 l/h  
3 Preparation for DDI 60-10  
4 Preparation for SMART Digital DDA, DDC, DDE

### Multi-function valve

A Without  
G Multi-function valve PV/V  
H Multi-function valve PV/E  
I Multi-function valve PV/T

### Filling device

0 Without  
1 Filling armature PVC/E with ball valve  
2 Dissolving hopper

### Drain valve (not with collecting tray)

A Without  
B Drain valve PVC/E

### Injection unit (G 1/2 process connection)

0 Without  
1 Injection unit PVC/V/C  
2 Injection unit PP/V/C  
3 Injection unit PVC/E/C  
4 Injection unit PP/E/C  
5 Injection unit PVC/T/C

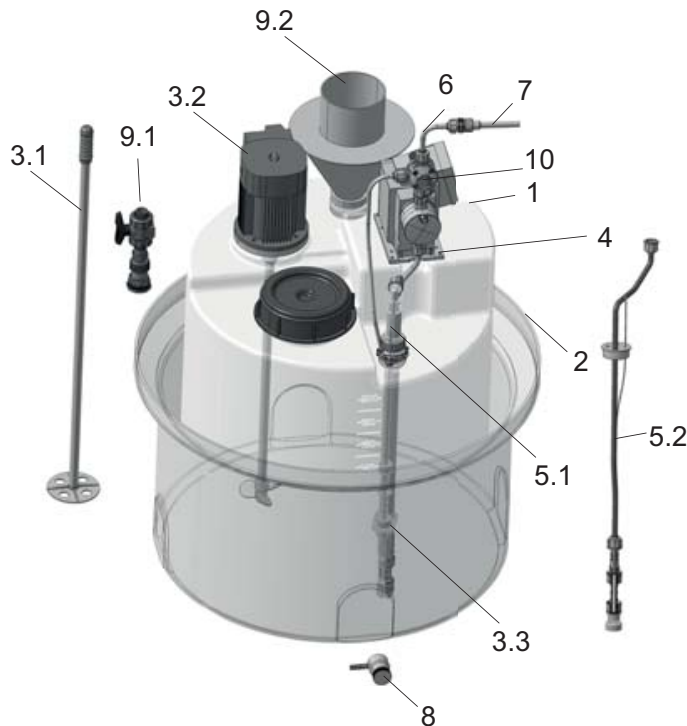
### Discharge line

A Without  
B 10 m of PE hose 4/6 mm (up to 7.5 l/h)  
C 10 m of braided PVC hose 6/12 mm (up to 30 l/h)  
D 10 m of PE hose 9/12 mm (up to 60 l/h)  
E 10 m of PE hose 6/9 mm (up to 30 l/h)

### Suction line

WO Without  
RV Rigid suction lance PE/V  
RE Rigid suction lance PE/E  
RT Rigid suction lance PE/T  
FV Foot valve with flexible suction line PE/V  
FE Foot valve with flexible suction line PE/E  
FT Foot valve with flexible suction line PE/T

## Components overview



- 1 Tank
- 2 Collecting tray
- 3.1 Handheld mixer
- 3.2 Electric stirrer
- 3.3 Level switch for electric stirrer
- 4 Installation material
- 5.1 Rigid suction lance with connection to the pump
- 5.2 Foot valve with flexible suction line
- 6 Discharge line
- 7 Injection unit
- 8 Drain valve
- 9.1 Filling armature with ball valve
- 9.2 Dissolving hopper
- 10 Multi-function valve