



DRY SUBSTANCE DOSING SYSTEMS



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General Description and Intended Use

The chemical substances are also used in various sectors' processes as in the treatment facilities. The dry substance dosing systems are equipment which are manufactured to store and dose the chemical substances in powder or granule form.

The dry substance dosing systems are used in applications such as coagulation, flocculation, disinfection and pH value.

Working Principle Of Equipment

The dry substance dosing systems consist of a main frame, a chemical storage container, a dosing screw and a screw drive group.

The chemical substances in powder or granule form which dribble down from the chemical storage container with the influence of the gravity pass through the spiral hose and is transferred to any desired place via dosing screw. A vibration motor which may prevent the particle chemical to stick on side walls may be coupled to the system on the container.

When the system is to be stopped by adding a globe valve between the storage container and the dosing screw, the chemical flow is prevented.



Advantages

- Project Based Special Design Possibility,
- Modular Design,
- Easy Transportation and Mounting / Demounting,
- Easy and Silent Operation,
- Low Operation and Maintenance Costs,
- Low Energy Consumption,
- Resistant to Corrosive Structures,
- Economical and Resistant Design,
- Long Operation Life.

Accessories

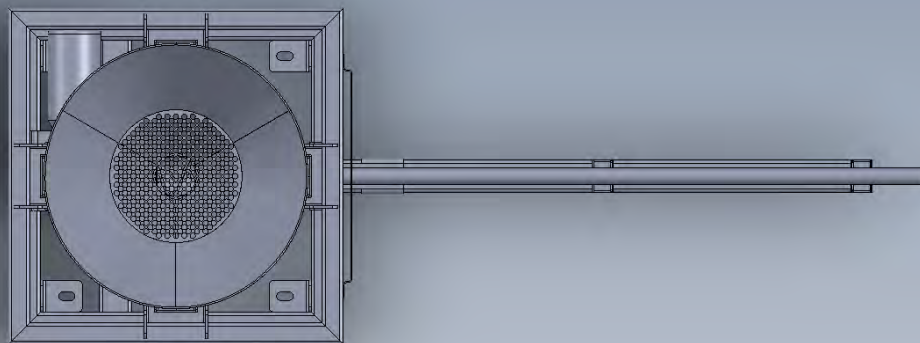
- Intervention and Maintenance Platform*
- Globe Valve*
- Dry Substance Storage Container*
- Venturi Water Feeding Structure*
- Flow Rate Control System*
- Lifter for Forklift*
- Level Switch*
- Vibration Motor*
- Load Cell*
- Powder Suction Filter System*
- Local Power and Control Panel*

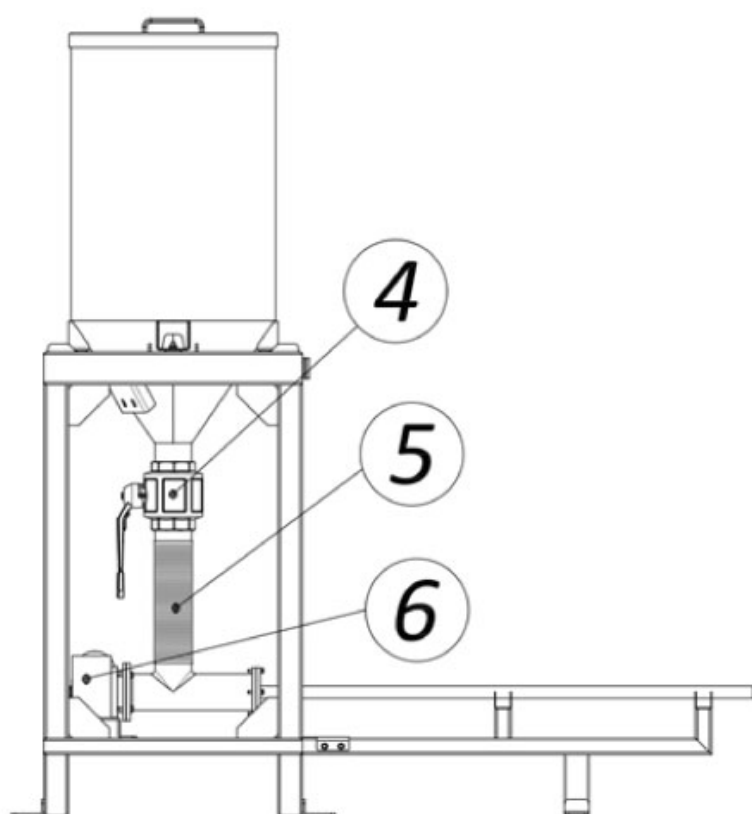
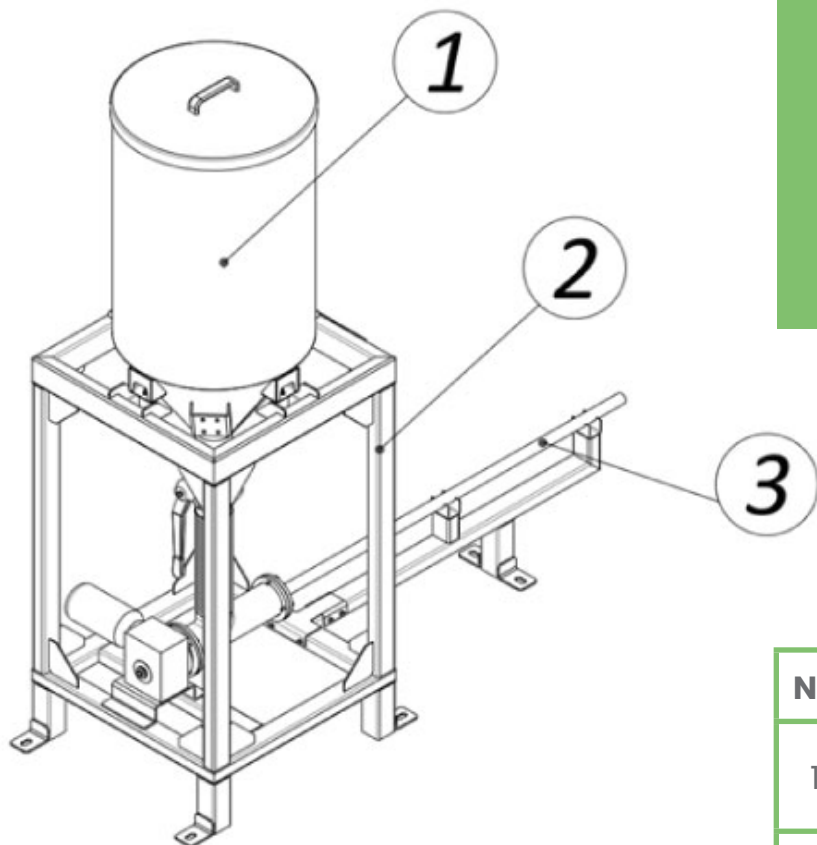
* Optional accessories are defined.

Material Details

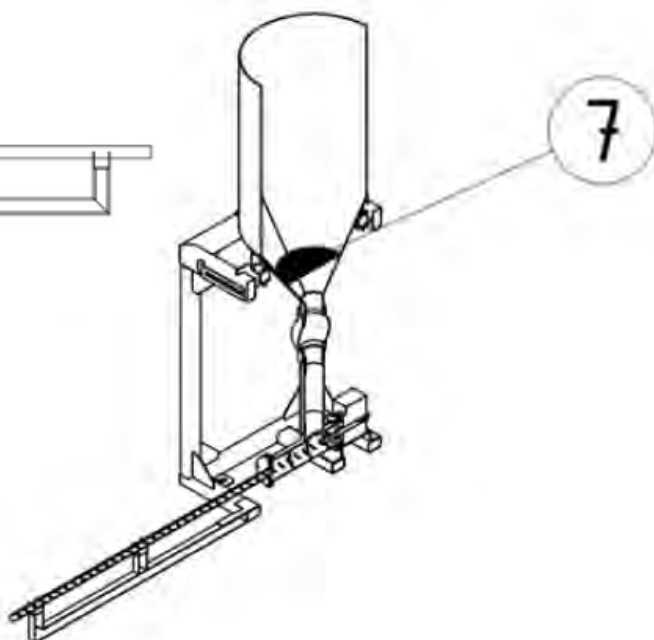
- Frame: They can be manufactured as S235JR + Epoxy Paint or S235JR + Hot Dipping Galvanized Coating.
- Dry Substance Storage Container: They can be manufactured as S235JR + Epoxy Paint, DIN 1.4301 (AISI 304) or DIN 1.4401 (AISI 316).
- Screw: They can be manufactured as DIN 1.4301 (AISI 304) or DIN 1.4401 (AISI 316).

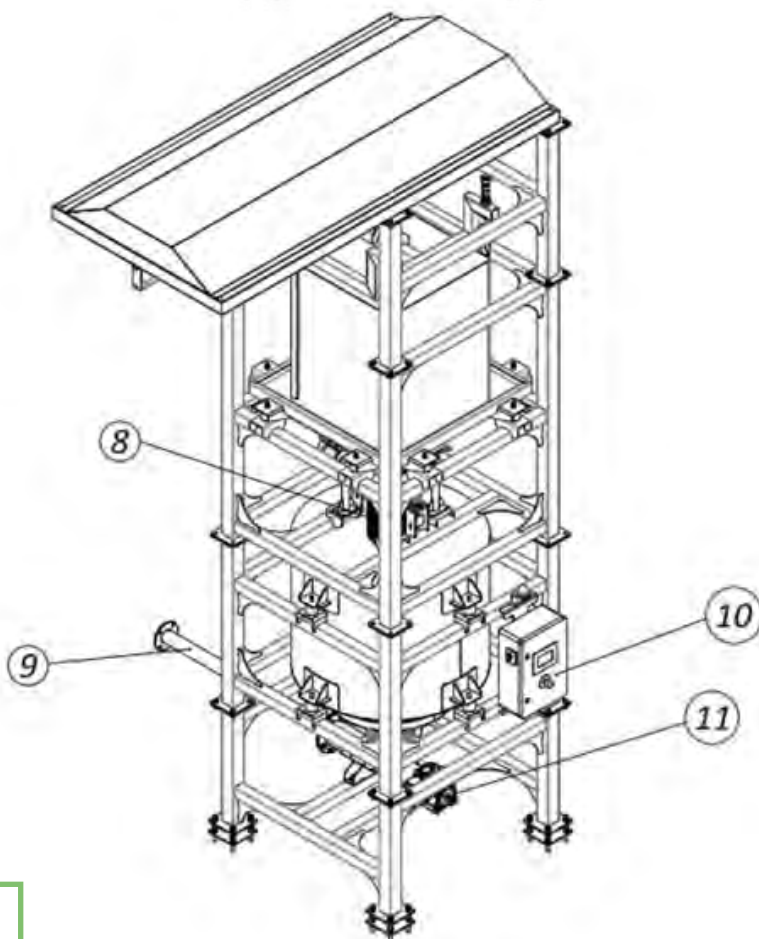
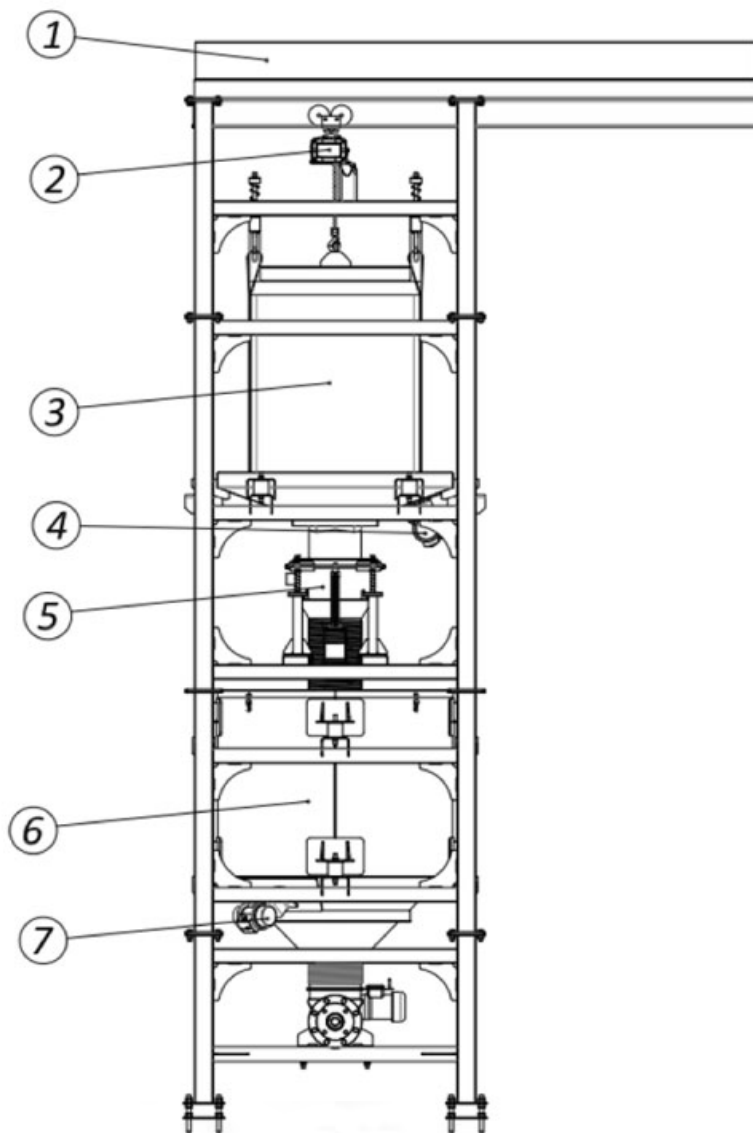
"Different materials can be preferred in accordance with the request of the customer."





No	Part Name
1	Dry Substance Storage Container
2	Frame
3	Dosing Screw
4	Globe Valve
5	Spiral Hose
6	Motor / Reducer
7	Screen





No	Part Name
1	Roof
2	Crane
3	Sack
4	Vibration Motor
5	Automatic Sack Fastening System
6	Dry Substance Storage Container
7	Storage Container Vibration Motor
8	Spiral Hose
9	Dosing Screw
10	Local Power and Control Panel
11	Motor / Reducer



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