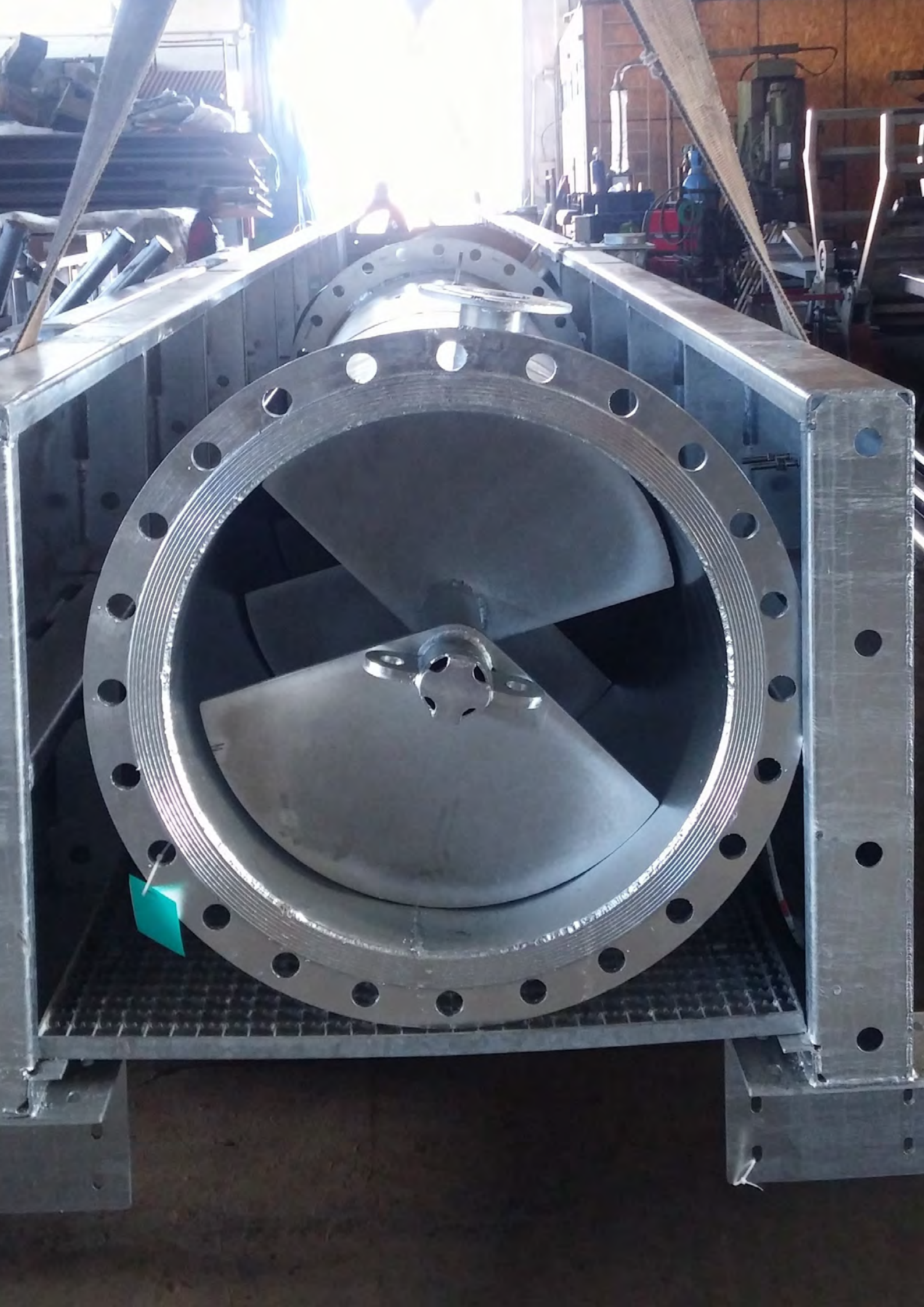




STATIC AND DYNAMIC MIXERS



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STATIC AND DYNAMIC MIXERS

General Description and Intended Use

These systems are generally used to mix chemical substances in wastewater and sludge at the dosing units of treatment plants. Static mixers consist of a special outer body manufactured from pipes, mixing metal vanes inside and shaft holding vanes at the centerline. Dynamic mixers are manufactured from drive group, shaft and main body.

Working Principle Of Equipment

Static and dynamic mixers are directly mounted onto the lines on which wastewater or sludge flows. Chemical substance to be dosed is connected to wastewater or sludge pipe line before mixer. Static mixer that is mounted on wastewater or sludge line with flange ensures a homogeneous mixture of wastewater coming from pipeline and sludge with chemical substance by means of the vanes inside. Dynamic mixers have the same working principle. Unlike static mixer, mixing is conducted with mixer that is connected to mixture drive group. Dynamic mixer is preferred with high viscosity liquids

TECHNICAL SPECIFICATIONS

- It is suitable to be used on gravity or pressurized lines.
- Mixers in the tank can be easily disassembled and cleaned.
- Sludge dewatering units (filter press, belt press, decanter, screw press, etc.) are used to increase efficiency of sludge conditioning.
- It can be used for dosing coagulant or flocculant into wastewater in special process systems.
- Static mixers are used on vertical and horizontal lines.
- Static mixers have high solid matter particle permeability.



Advantages

- Project Based Special Design Possibility,
- Suitable Design for Low and High Flow Rates,
- Easy Transportation and Mounting / Demounting,
- Small Space Necessity,
- Compact Design,
- Low First Investment Cost,
- Low Operation and Maintenance Costs,
- Trouble Free Operation and Easy Maintenance Possibility,
- Minimum Energy Consumption,
- Long Operation Life,
- Suitable for Outdoor Operation.

Material Details

- Main Body: They can be manufactured as DIN 1.4301 (AISI 304), DIN 1.4401 (AISI 316) or S235JR + Hot Dipping Galvanized Coating.
- Vanes: They can be manufactured as DIN 1.4301 (AISI 304), DIN 1.4401 (AISI 316) or S235JR + Hot Dipping Galvanized Coating.

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

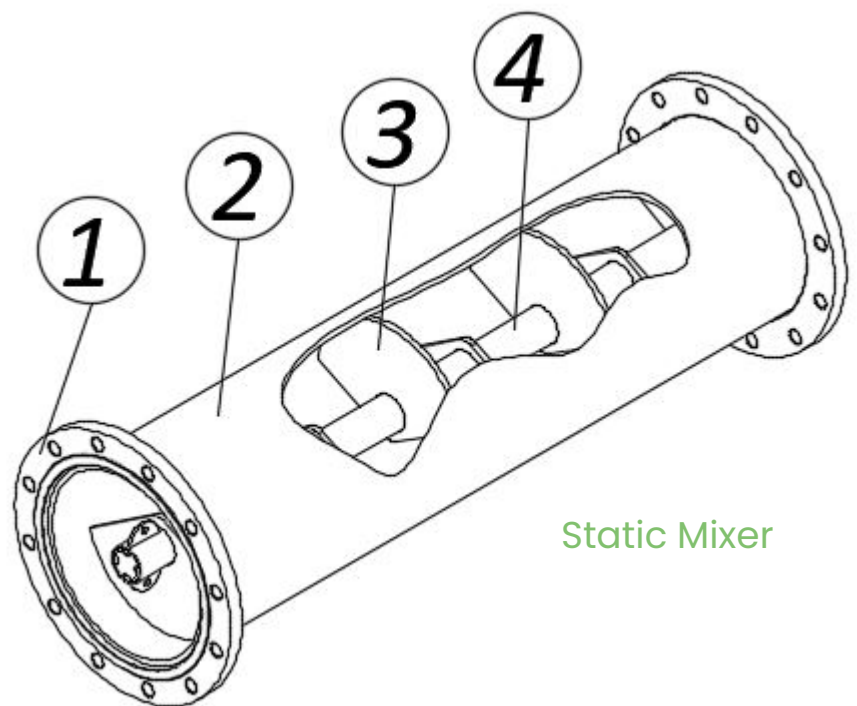


Accessories

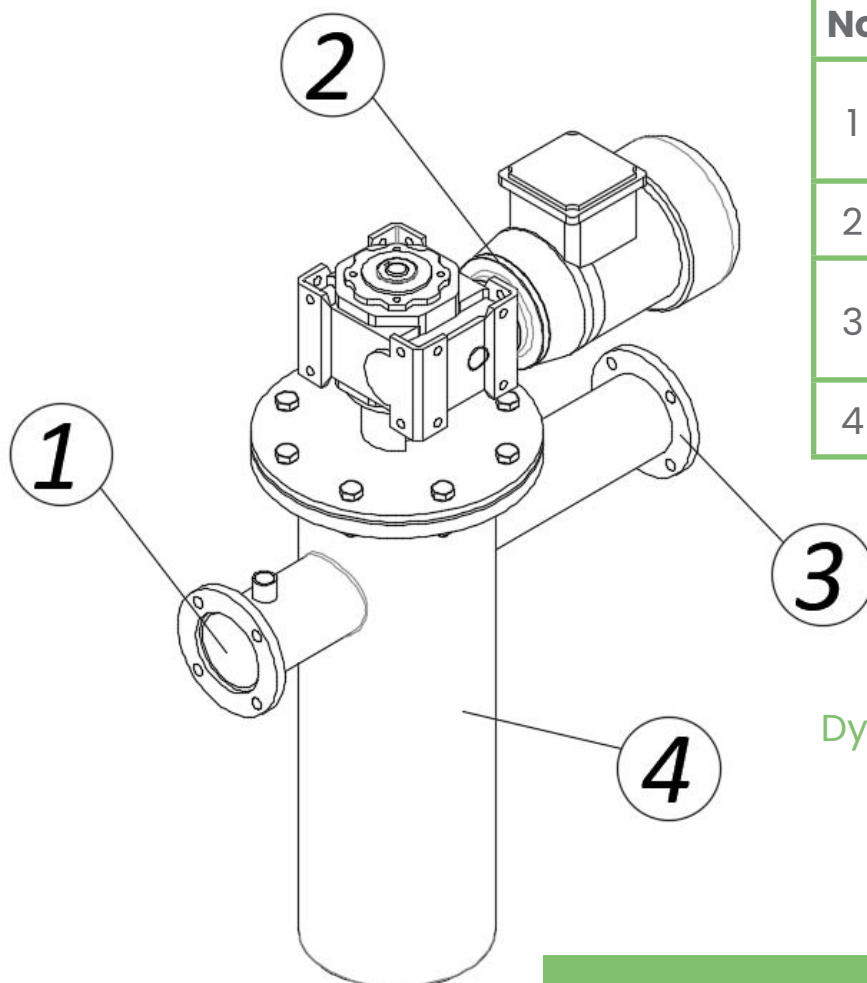
- Static Mixer Mounting Panel
- Protection Isolation Against Outer Environment
- Dynamic Mixer Intervention and Maintenance Platform*

*Optional accessories are defined.

No	Part Name
1	Connection Flange
2	Main Body
3	Mixing Vanes
4	Shaft



Static Mixer



No	Part Name
1	Inlet Connection Flange
2	Motor / Reducer
3	Outlet Connection Flange
4	Main Chassis

Dynamic Mixer



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