



REDUCER PISTON TYPE SLUDGE PUMPS



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General Description and Intended Use

These pumps are generally used in treatment plants, filter press etc. sludge dewatering units as feed pumps. It consists of sludge pump, piston body, oil container and drive group.

Working Principle Of Equipment

Thanks to vacuum formed by piston rod moving in the oil container with the eccentric movement that reducer provides, sludge fills in sludge trunk. Piston rod that completed vacuum process (thanks to eccentric movement) proceeds to sludge pressing process. Sludge in the sludge trunk advances on sludge pressing line. Sludge pump continues working with the repetition of each vacuum and pressing process.

Accessories

- Suction Filter*
- Double Suction and Pressing System*

* Optional accessories are defined.

Technical Specifications

- It is manufactured as single or double piston type.
- Thanks to its design with check valve, the sludge in the suction and pressing line is prevented from melding.
- It can be coupled to the system thanks to its flange connection.
- Thanks to oil container drain plug, oil in the container is easily drained.
- Oil level is checked on the level indicator on the oil container.
- Flow rate of the sludge can be checked using inverter.
- It is able to conduct suction at 2 mSS.

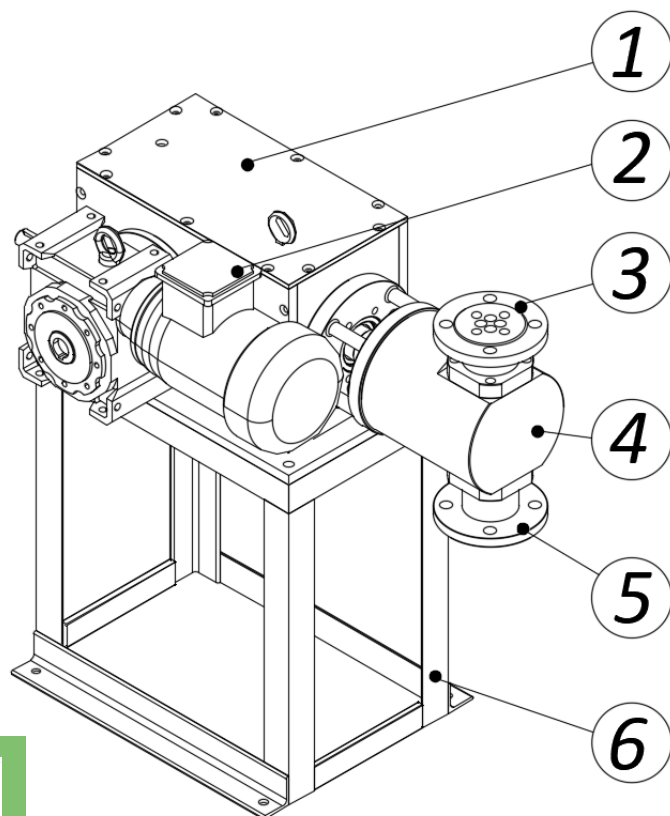
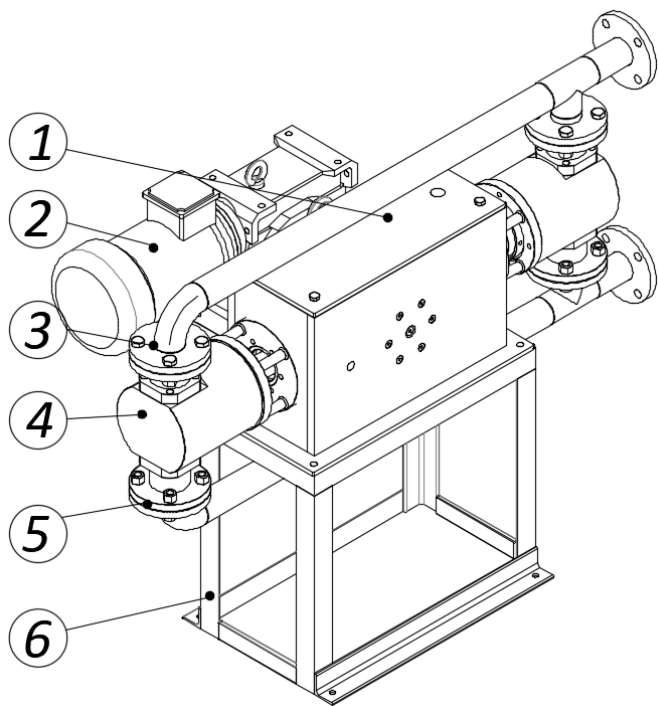
Advantages

- Low First Investment Cost
- Low Operation and Maintenance Costs,
- Easy Maintenance Possibility,
- Long-life use,
- Easy Transportation and Mounting / Demounting,
- Suitable for outdoor operation.

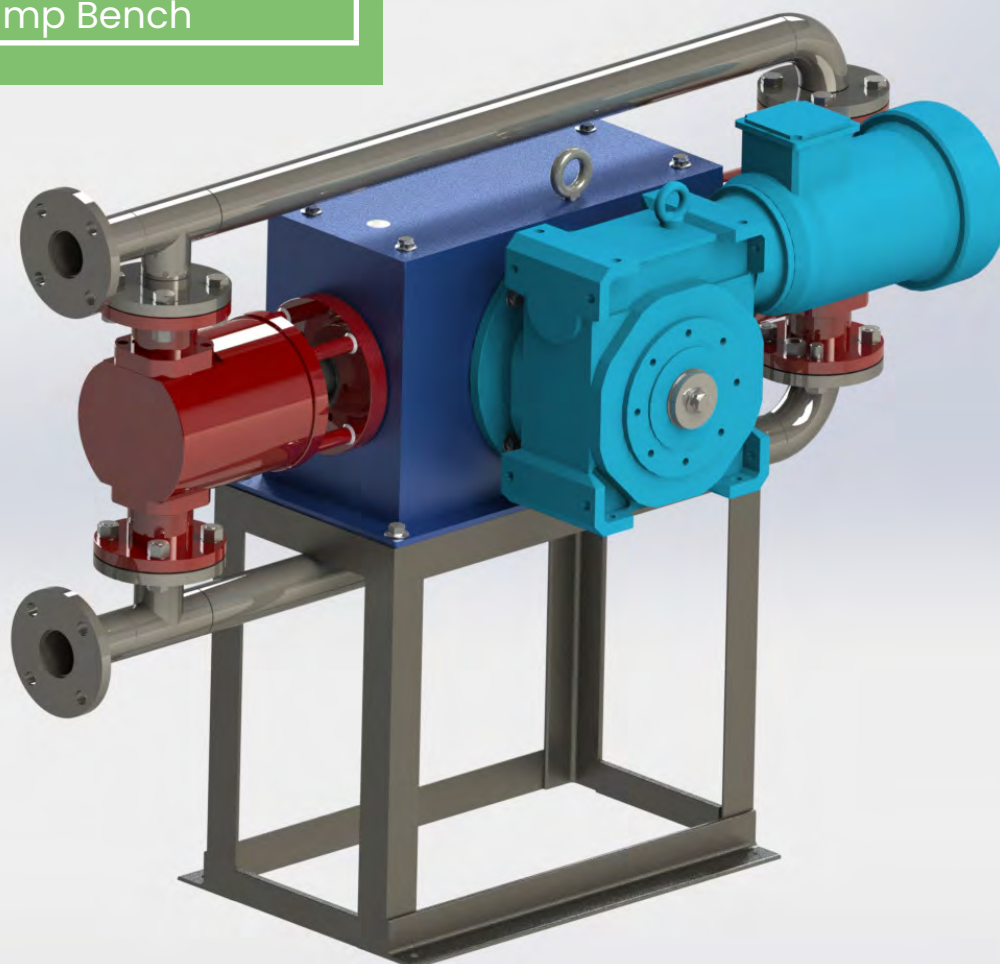
Material Details

- Main Body (Oil Container): They can be manufactured as S235JR + Epoxy Paint.
- Pump Bench: They can be manufactured as S235JR + Epoxy Paint.
- Ball bearing: They can be manufactured as DIN 1.4401 (AISI 316).

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



No	Part Name
1	Main Body (Oil Container)
2	Motor / Reducer
3	Pump Pressing Connection
4	Piston Body
5	Pump Suction Connection
6	Pump Bench





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