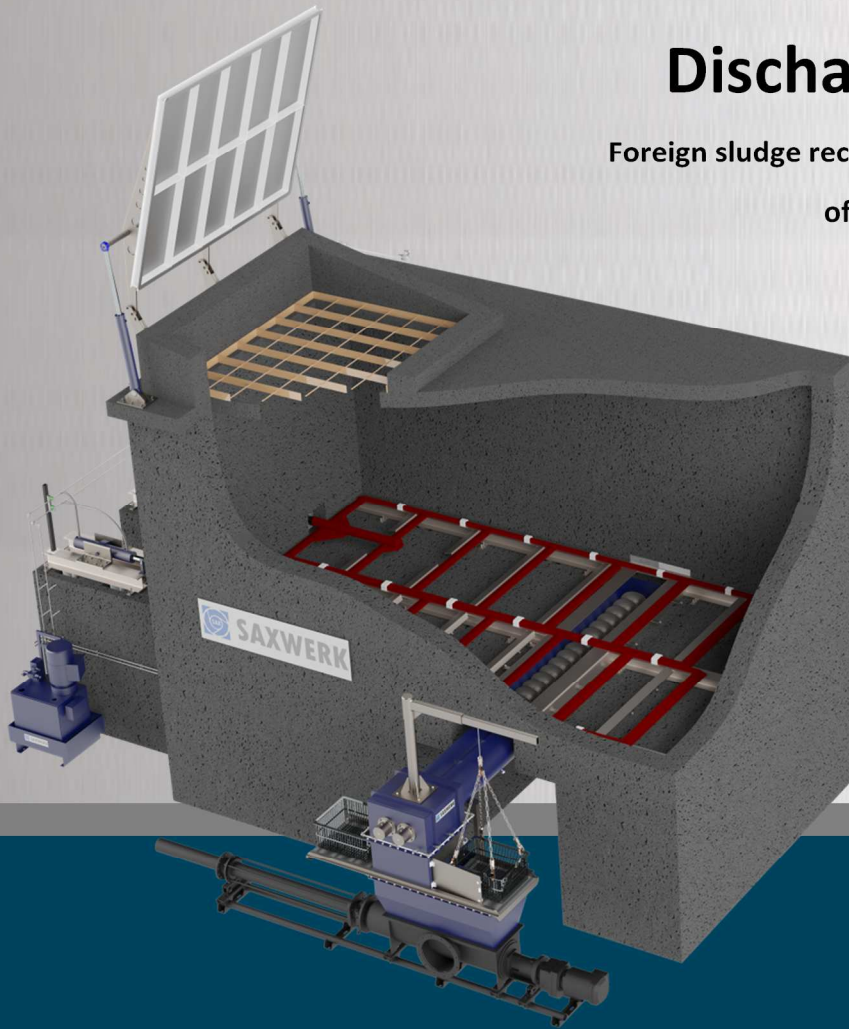


Discharge Separator

Foreign sludge reception with integrated separation
of foreign particles.

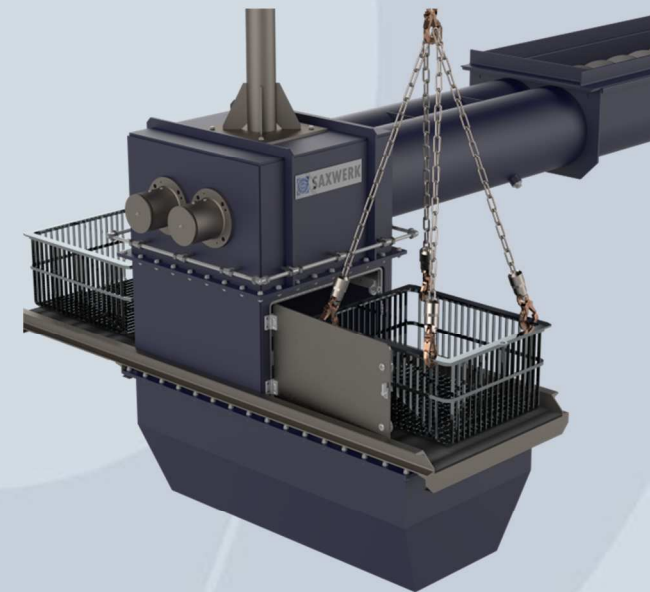


The foreign particle separation is an
integrated part of the discharge system.

No additional equipment is required.

Foreign sludge reception with integrated
separation of foreign particles from
20 mm edge length.

No additional equipment is required that
needs to be operated and controlled.



Foreign particles in sludge receptions

External sludge is often contaminated with foreign particles and is the cause for damage of downstream plant components.

The SAXWERK discharge separator prevents damage caused by foreign particles and increases the availability of the entire plant.

Functional description

The sewage sludge is conveyed from the inlet opening in the bottom of the bunker through the integrated foreign particle separator by means of pressure screws. Foreign particles are collected in a screen cassette.

- ▶ The contamination of the screen cassette is monitored by conveying pressure
- ▶ Quick and easy cassette change
- ▶ Cleaning (rinsing) of the full cassette is possible during operation
- ▶ The mesh size of the screen cassettes is variable

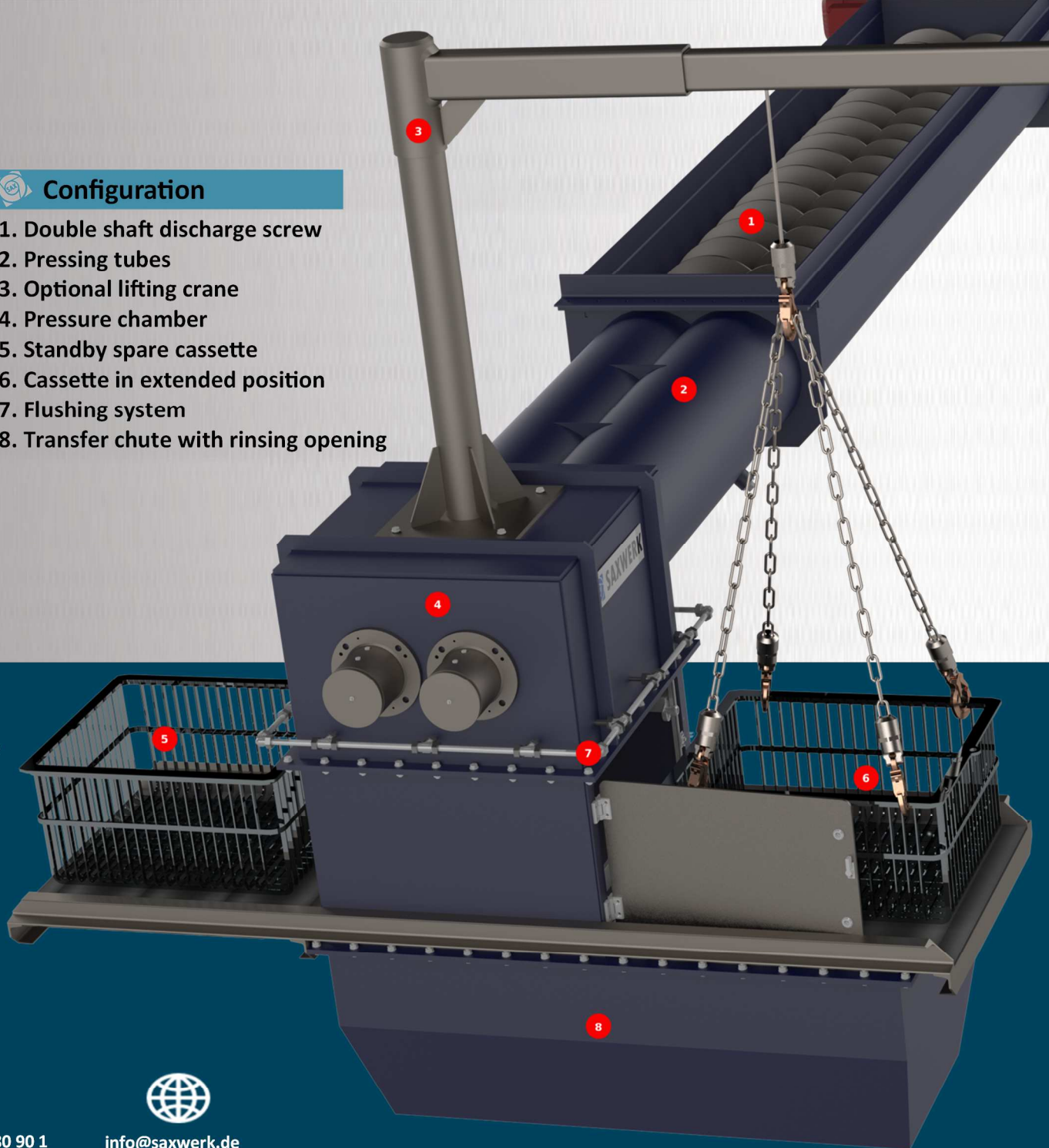


SAXWERK



Configuration

1. Double shaft discharge screw
2. Pressing tubes
3. Optional lifting crane
4. Pressure chamber
5. Standby spare cassette
6. Cassette in extended position
7. Flushing system
8. Transfer chute with rinsing opening



Foreign particle removal:

The conveying pressure is monitored by a sensor. When the pressure rises to approx. 2 bar, the screw is switched off and the foreign particles can be removed.

A timed rinsing process (duration approx. 10-30 sec.) is automatically initiated for this purpose. The rinsing water will be removed by the downstream conveyor (pump).

The flushed screen cassette can be removed with the foreign particles.

Duration of the cassette change approx. 1 - 2 minutes.

The downstream conveyors remain in operation during the cassette change.



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