Agitators, flow generators, silos and tanks
Machining the future bioeconomy

Water treatment
Pulp and paper industry
Biogas
Flue gas cleaning

Chemical industry
Mining and metallurgy
Food and dairy industry
Pharmaceutical industry
Top mounted agitators

Broad range of top mounted agitators. Stamo top mounted agitators are individually designed and manufactured to suit the customer process requirements. A broad variety of configuration options covers all types of agitation needs.

Power: 0.09 – 300 kW
Drive: Geared, Direct, Belt, Air or Hydraulic drive
Mounting: IEC motor flange, Mounting plate, Welded or cast iron stand
Bearing: With or without bearing
Shaft sealing: Radial seal, Stuffing box, Labyrinth seal, Single or double mechanical seal, Split seal, Gas seal
Shaft: Lengths up to 30 m (free hanging) Round shaft Ø8 – Ø300 mm Square tube shaft up to 300x300 mm
Impeller: Two, three or four bladed impellers
Options: Catch ring or bottom bearing to stabilize shaft Various types of steel and lining ATEX motor
Side Entry Agitators

Side mounted agitators are particularly useful when the tank construction only allows side-entry agitators. When required the agitators are also used to maintain extra powerful agitation in the bottom region of the tank.

**Side mounted agitator**

- **Power:** 1.0 – 300 kW
- **Drive:** Geared, Belt, Air or Hydraulic drive
- **Mounting:** Mounting plate, Welded or Cast iron stand
- **Bearing:** With or without bearing
- **Shaft sealing:** Stuffing box, Single or Double mechanical seal, Split seal, Gas seal
- **Shaft:** Ø30 – Ø150 mm
- **Impeller:** Size and type depending on customer’s process
  Diameter Ø125 – Ø2000 mm
- **Options:** Support to minimize forces on tank flange
  Various types of steel and lining
  ATEX motor
Side Entry Agitators

Side mounted agitators are particularly useful when the tank construction only allows side-entry agitators. When required the agitators are also used to maintain extra powerful agitation in the bottom region of the tank.

**Stamo 45° Agitator**

- **Power:** 7.5 - 15 kW
- **Drive:** Geared drive
- **Mounting:** Cast iron stand, DN 400 PN 10
- **Bearing:** With bearing
- **Shaft sealing:** Radial seal, Stuffing box, Labyrinth seal,
  Single or Double mechanical seal,
  Split seal, Gas seal
- **Shaft:** Length depending on the height of the tank, up to 8 m
- **Impeller:** One, two or three propellers, size depending on customer’s process, up to Ø 3000 mm
- **Bottom support:** Bottom bearing to stabilize shaft
- **No maintenance**
- **Options:** Various types of steel and lining
- **ATEX motor.**
**Homa Spiral Agitators**

Immersed Homa agitators combine efficient agitation capability with compact agitator size. Agitators can be either direct driven or geared. Agitators are equipped with mechanical sealing.

HRS/CHRS – models are direct driven  
HRG – models are geared

- streamlined, compact design  
- self cleaning, energy efficient propeller  
- ideal for installation in any tank design  
- compact and easy-handling installation and lifting system (optional)

**Main applications:**

- Stirring, agitation, dissolving  
- Sludge homogenisation  
- Stormwater tanks  
- Suspension of sediments or swimming covers also in pump pits  
- Mixing of chemicals and high viscosity liquids  
- Fishfarming  
- Flow generation  
- Cooling basins
HOMA Flow generators

HOMA flow generators for a reliable and economic operation in waste water treatment.

HRM/ HRL flow generator:
- self cleaning, vibration free 2- or 3- blade propeller with high efficiency for high flow performance at low speed for low energy cost
- high performance propeller drive by robust planetary transmission
- individual positioning in all tank designs for optimum flow generation by robust and easy-handling installation and lifting system

Flow generators can be equipped with compact and easy-handling installation and lifting system (optional)

Main applications:
- Nitrification
- Denitrification
- Phosphate-elimination
- Mixing, agitating
- Fishfarming
Silos and tanks

Water treatment
Pulp and paper industry
Biogas
Flue gas cleaning

Chemical industry
Mining and metallurgy

Machining the future bioeconomy
BioCone Oy is specialised in manufacturing large scale silos and tanks. Company’s production facilites are optimal for handling and manufacturing large scale equipment and compete deliveries.

BioCone Oy has a long term experience in designing, manufacturing and turn-key deliveries of silos and tanks for various industries.

Silos and tanks:

- Potable and waste water treatment
- Pulp and paper industry
- Biogas plants
- Chemical and process industry
- Mining and metallurgy

Silos and tanks manufactured according to customer’s needs. The materials used are either normal carbon steel or stainless steel for corrosive environments. Silos and tanks are designed according to EN standards. Silos and tanks can be delivered with various support structures, maintainance structures, insulation, surface structures and pipe fittings.
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