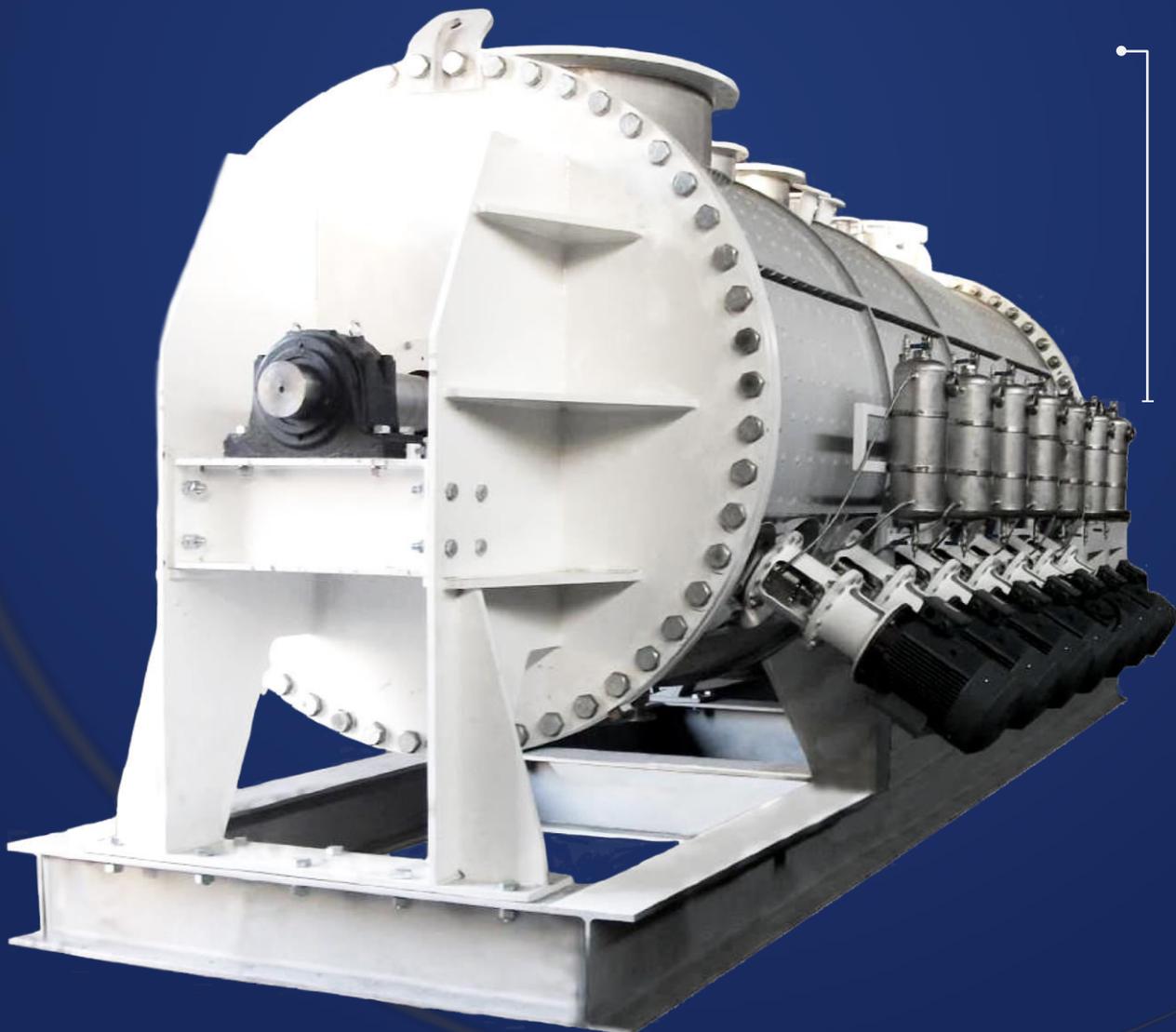


Horizontal Plough Type Reactor



PRODUCT INFORMATION



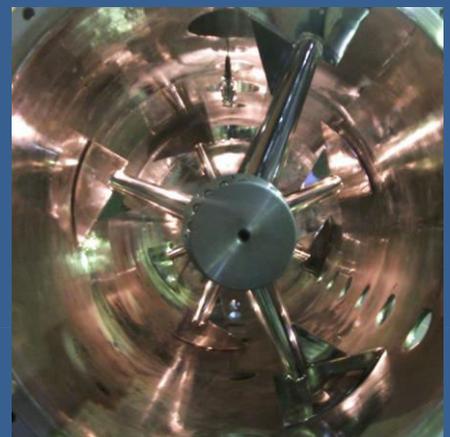
The horizontal plough type reactors are single-shaft mixers with a batch operating system designed for the required vacuum, pressure, heating and cooling conditions. Horizontal reactors are used for chemical reactions, pasting, dusting and milling operations.

APPLICATIONS

- Food
- Animal feed
- Chemical
- Construction materials

DESCRIPTION

Horizontal Plough Type Reactors are distinguished by a particularly gentle and efficient process technology. Depending on the requirements, the reactors can be equipped with plowshare or paddle blades, the latter being heated and / or also cooled. Supplements such as high speed cutting rotors, heating and cooling systems and many other details allow the use of reactors across the entire industry. Up to 20 m³ mixing chambers allow for the production of large batches.



CERTIFICATIONS

Isimsan manufactures according to the following International directives and regulations:

- CE 2006/42/EC (machinery directive)
- CE 2014/29/EU (pressure vessel directive)
- CE 2014/68/EU (pressure vessel directive)
- ATEX product line 2014/34/EU
- EHEDG hygiene guidelines
- GMP (Good Manufacturing Practices)
- FDA (U.S. Food and Drug Administration)
- EAC (EuroAsia Conformity)

Isimsan is certified in terms of quality management (ISO 9001) environmental standards (ISO 14001), welding technology and supervision (ISO 3834 & 14731) and control technology (2006/42/EC).



CONSTRUCTION DETAILS

FEATURES

Chamber size: 0.1 to 20 m³

Chamber form: cylindrical

Material: carbon steel, stainless steel, nickel alloy

Surface: painted, brushed, polished, mirror polished

Mixing shaft: single shaft

UpM: 4 - 82

Max. chamber pressure: 25 bar (higher upon request)

Mixing blades: plow, paddle or wing type

Vacuum generation: pump (up to 730 mmHg), vacuum jet (up to 758 mmHg)

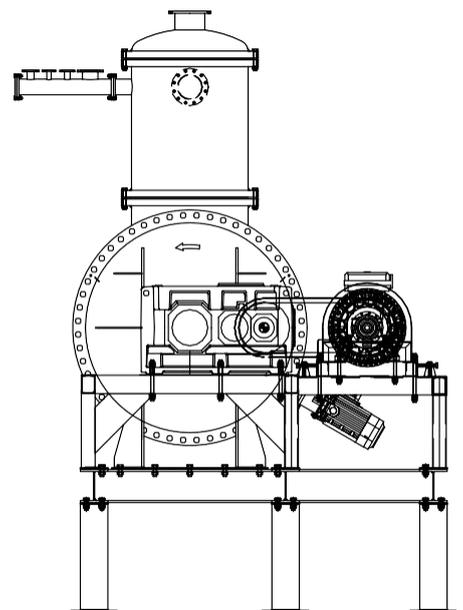
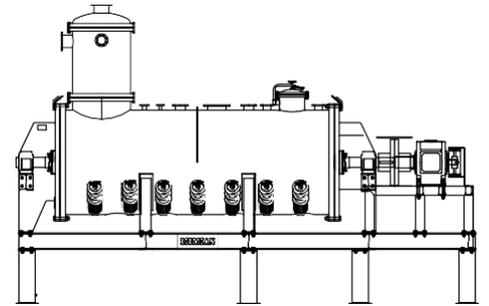
Max. chamber vacuum: 760 mmHg

Material thickness: up to 40 mm (higher upon request)

Gear box: Yilmaz, Nord, Flanders, Bonfiglioli, Sew Eurodrive, etc.

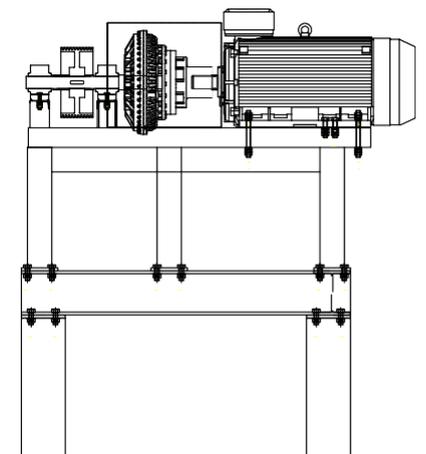
Engines: ABB, Sew Eurodrive, Gamak, Siemens, Nord, Weg, etc.

Mechanic Seals: Eagle Burgmann, Chesterton, etc.



OPTIONS

- Product sampling valves
- Inspection doors
- Pothole
- Heating & cooling jacket
- Heated and / or cooled agitators
- High speed cutting rotors
- Liquid injection nozzles
- Pressure-resistant, double-walled versions for vacuum drying
- Various automation sensors
- Frame and platform
- Frequency control
- Remote control



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