

## Horizontal Plough Type Reactor



## PRODUCT INFORMATION



Horizontal mixing reactors are single-shaft mixers with a batch operating system designed for the required vacuum, pressure, heating and cooling conditions. They are suitable for chemical reactions, pasting, dusting and milling operations.

## APPLICATIONS

- Food
- Animal feed
- Chemicals
- 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 plough or paddle blades, which can be heated and also cooled. Supplements such as high speed cutting rotors, heating and cooling systems and many other details enables the use of this reactors across the entire industry. Up to 20 m<sup>3</sup> mixing chambers allows the production of large batches.



## CERTIFICATIONS

Isimsan manufactures according to following International directives and regulations:

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

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 m<sup>3</sup>

**Chamber form:** cylindrical

**Material:** carbon steel, stainless steel, nickel alloy

**Surface:** painted, brushed, polished, mirror polished

**Mixing shaft:** single shaft

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

**Mixing blades:** ploughs, paddles, wings, etc.

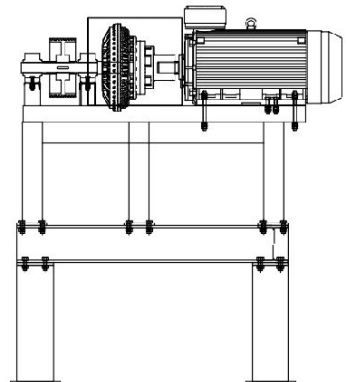
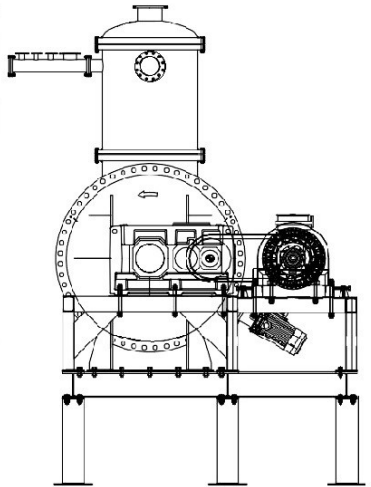
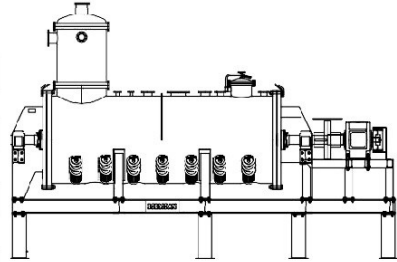
**Vacuum generation:** pump (up to 730 mmHg), vacuum jet (up to 758 mmHg)

**Max. chamber vacuum:** 760 mmHg

**Gearbox:** Yılmaz, Nord, Bonfiglioli, Sew Eurodrive, etc.

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

**Mechanic Seals:** Eagle Burgmann, Chesterton, AESSEAL, etc.



### OPTIONS

- Product sampling valves
- Inspection doors
- Potholes
- Heating & cooling jackets
- Heated and / or cooled agitators
- High speed cutting rotors
- Liquid injection systems
- Pressure-resistant, double-walled constructions
- Various automation sensors
- Frames and platforms
- Frequency controls
- Remote controls
- etc.



WORLDWIDE SUPPORT

E-MAIL : sales @isimsan.com.tr

PHONE : + 90 232 877 05 82

Address: Cumhuriyet Mah.9081 Sok. No:59/1 Ulucak  
Kemalpaşa İZMİR



[www.isimsan.com.tr](http://www.isimsan.com.tr)