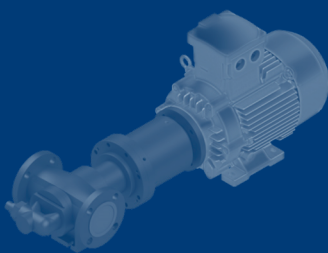
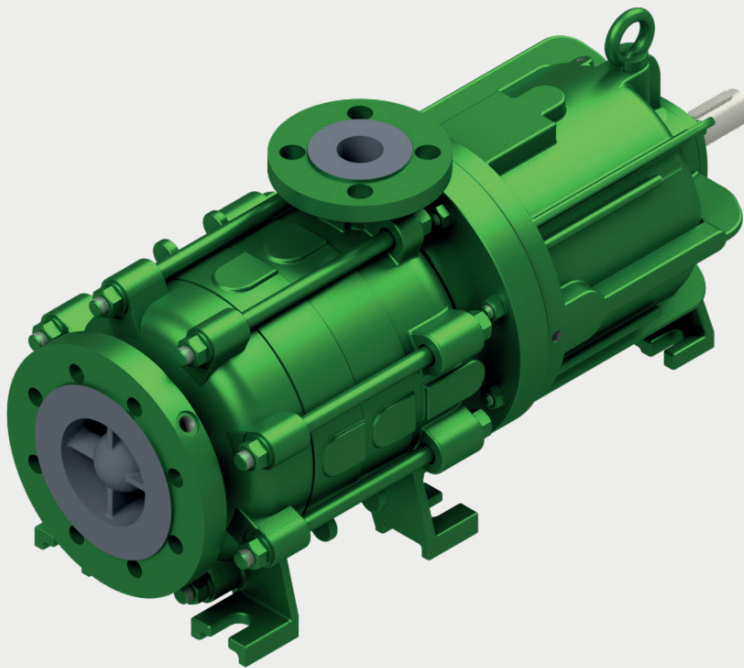
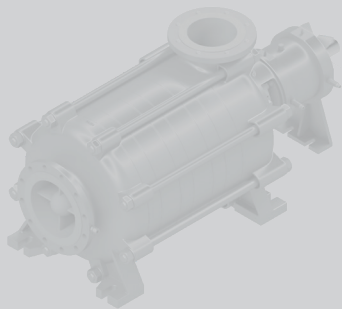


PRODUCT DATA SHEET



YOUR BENEFIT:

- Low axial and radial thrusts
- Hermetically sealed design
- Wear resistant due to thrust load bearing
- Lowest NPSH values

MULTISTAGE PUMP **HZMA**

MULTISTAGE PUMP HZMA

Description / Application

The pumps of the **HZMA** series are single or multistage, horizontal centrifugal pumps in hermetically sealed design with permanent magnetic coupling, without shaft feedthrough to the atmosphere. The containment shell seals the conveying medium to the outside with a chambered gasket.

The HZMA is used wherever leakages are not permitted, i.e. when pumping toxic, explosive and generally environmentally harmful fluids. The pump works maintenance-free and the time between services is far longer than conventional pumps with mechanical seals. Double-acting mechanical seal systems with expensive barrier pressure systems or receiver tanks are no longer required.

Application

- Oil & gas
- Chemistry & Petrochemistry
- Offshore
- Ship technology & Marine
- Refueling equipment & Aviation
- Industrial heating systems & heat carriers
- Tank storage & tank farms
- Renewable energy & Environmental technology

Variants

- Block design (Type HZMAB)
- Vertical inlet
- Design acc. to API 685 BB4 (Type HZMAR)
- With side channel stage (Type HZSMA)

Type HZMA



MULTISTAGE PUMP HZMA

Technical Data

Design

Pump type	Multistage pump
Stages	Single-or multi staged
Sealing	Magnetic coupling
Set-up	Horizontal
Self-priming	No
Bearing	Plain bearing***, Rolling bearing
Lubrication	Grease

Material

Ductile cast iron (EN-GJS) / Cast steel (GP 240 GH), Austenitic cast steel (1.4408 / 1.4571), Duplex (1.4517), Ni-based (2.4686)

Technical Data

Q_{max}^*	600 m ³ /h / 2640 g.p.m
H_{max}^*	500 m / 1640 ft
Operating pressure**	16 bar / 232 psi
Temperature**	200° C / 392° F
max. rotational speed	3500 min ⁻¹

* depending on size and speed

** higher temperatures and pressure on request

*** product side

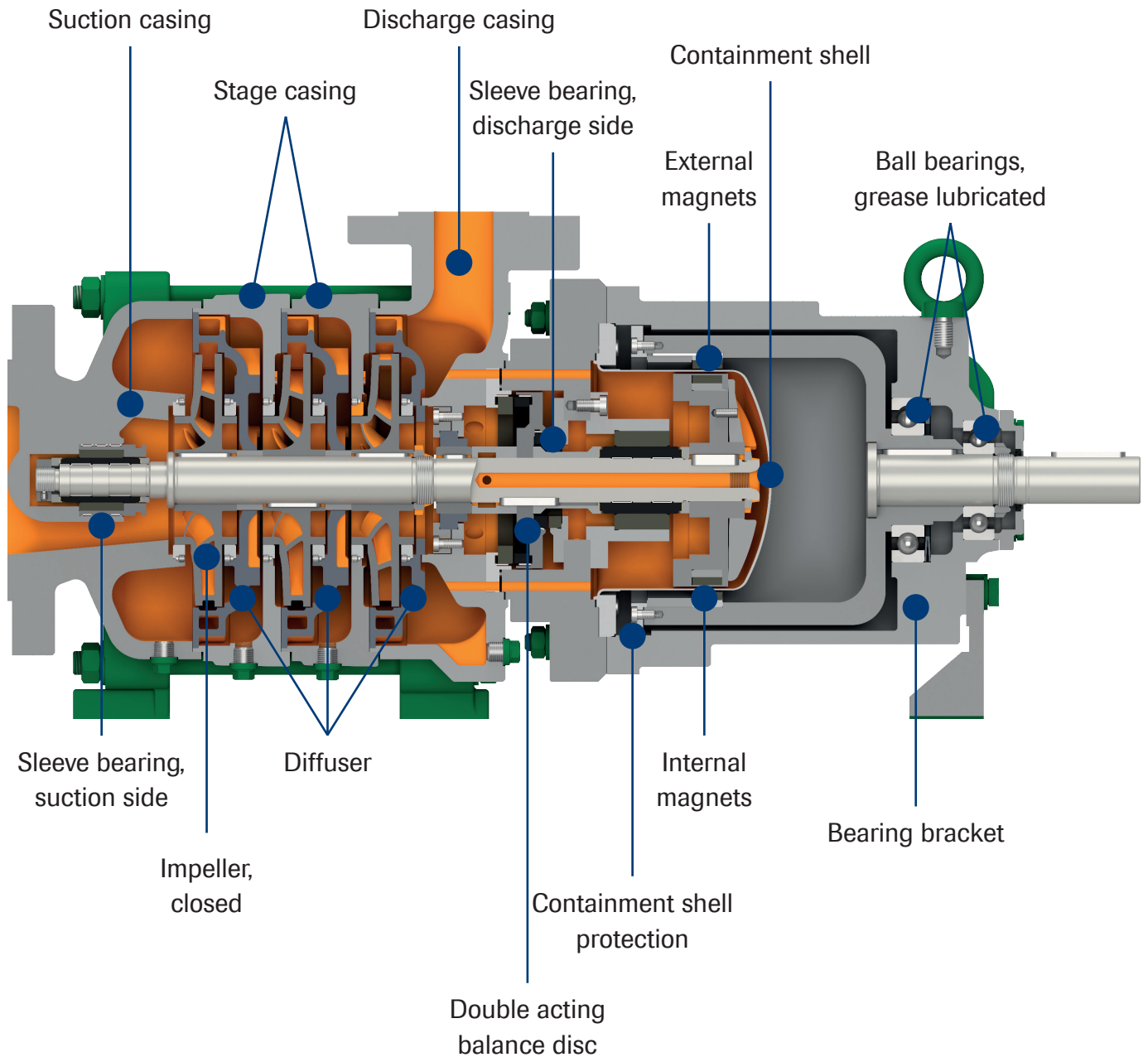
Standards

ISO 15783

Explosion protection: Category 2/Zone 1

MULTISTAGE PUMP HZMA

Sectional View



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