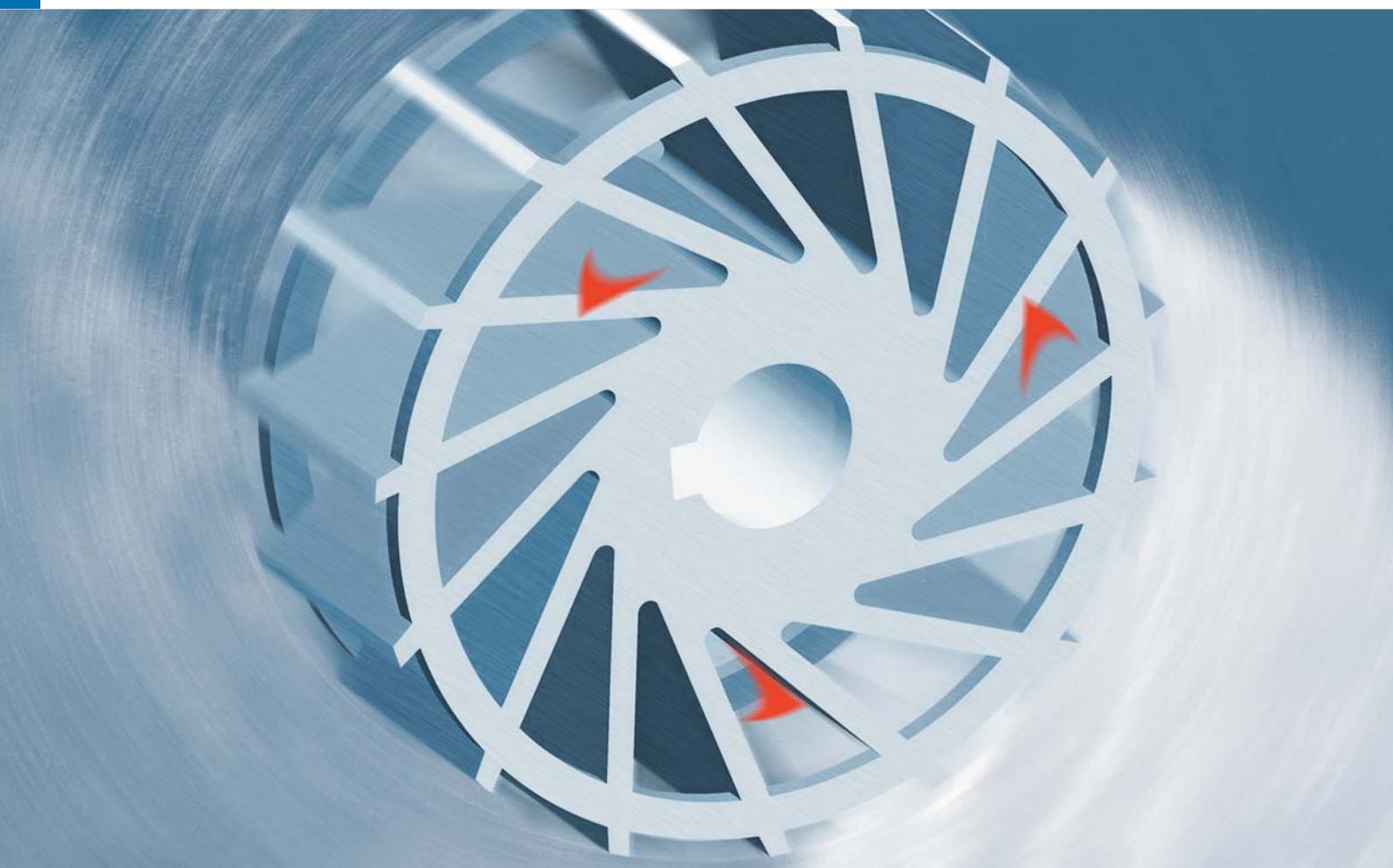


# ANDRITZ Self-Priming Centrifugal Pump

## AD Series



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# For media with high gas content

For over 100 years, ANDRITZ has been a byword for competence and innovation in designing centrifugal pumps.

ANDRITZ Self-Priming Centrifugal Pumps, AD Series, are successfully in operation all over world. They offer robustness and wear resistance and thus fulfil high customer expectations regarding efficiency, life cycle, maintenance friendliness and economic efficiency.

All pump parts are manufactured according to the highest quality standards in our ISO certified workshops. The superior quality of our products derives from compliance with these stringent requirements.

## Fields of application:

- Sugar industry
- Pulp and paper industry
- Water supply and waste water treatment
- Food industry

Thanks to its semi-open impeller, the AD-Series Pump is very well suited for conveying viscous (e.g. sugar concentrations of up to 70%) and high-solids media (e.g. for pulp, paper or sewage applications).

## Modular system

The standard components in ANDRITZ Pumps provide high availability and enable the use of proven components.



## The facts:

- Flow rates up to 2,000 m<sup>3</sup>/h
- Heads up to 75 m
- System pressure up to 16 bar
- Temperatures up to 90 °C

## Technology to convince you

The high standard of ANDRITZ Centrifugal Pumps, AD Series, is based on decades of experience in designing hydraulic machines and on extensive process know-how.

#### Vacuum pump



#### Integrated water ring vacuum pump

- Short priming times thanks to high degassing performance

#### Shaft sealing

- Single mechanical seal

#### Sturdy bearing support

- A single casting consisting of bearing casing and lantern
- Only five bearing support sizes for the entire series

#### Oversized bearings

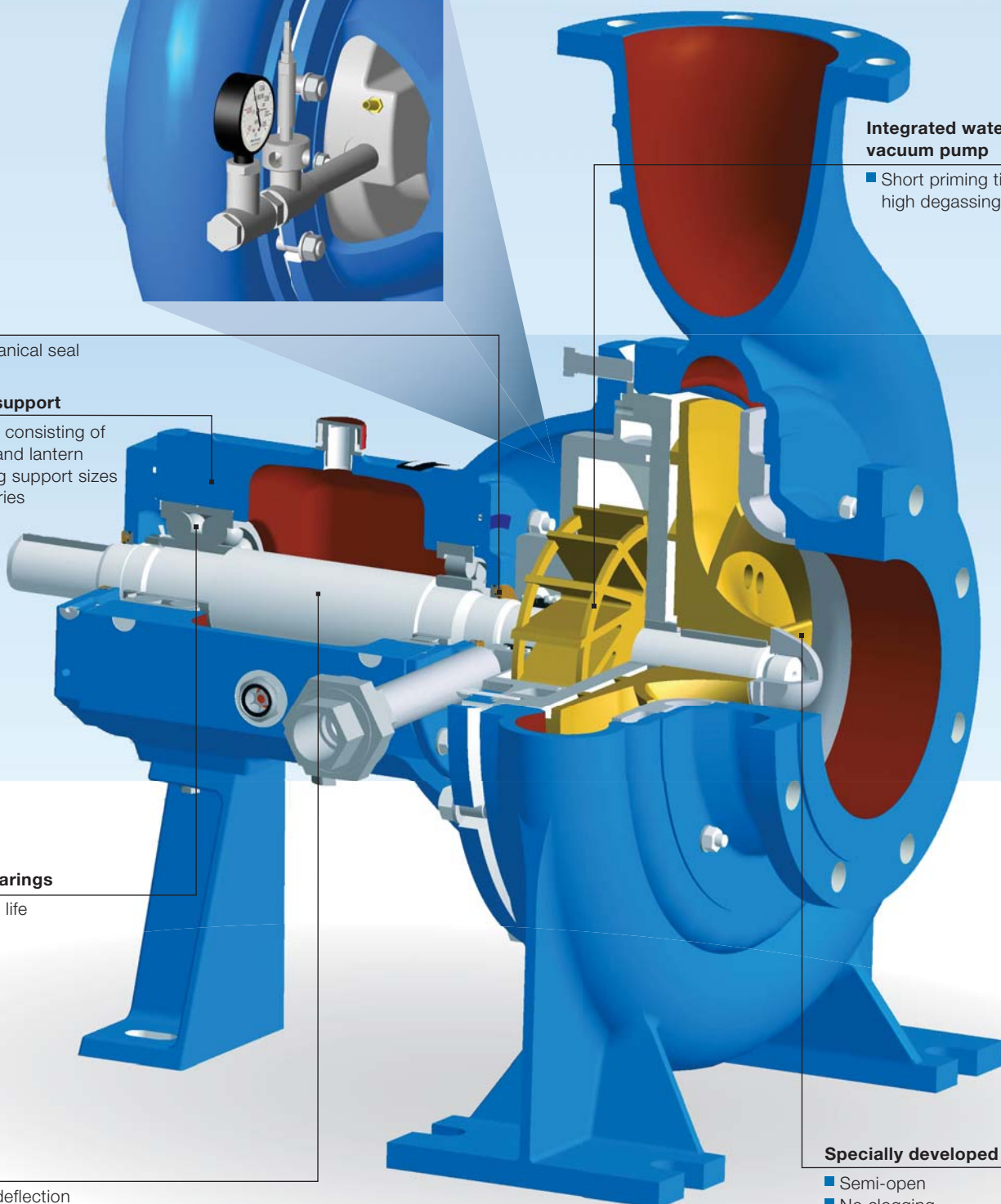
- Long service life

#### Sturdy shaft

- Minor shaft deflection
- Low mechanical vibrations

#### Specially developed impeller

- Semi-open
- No clogging

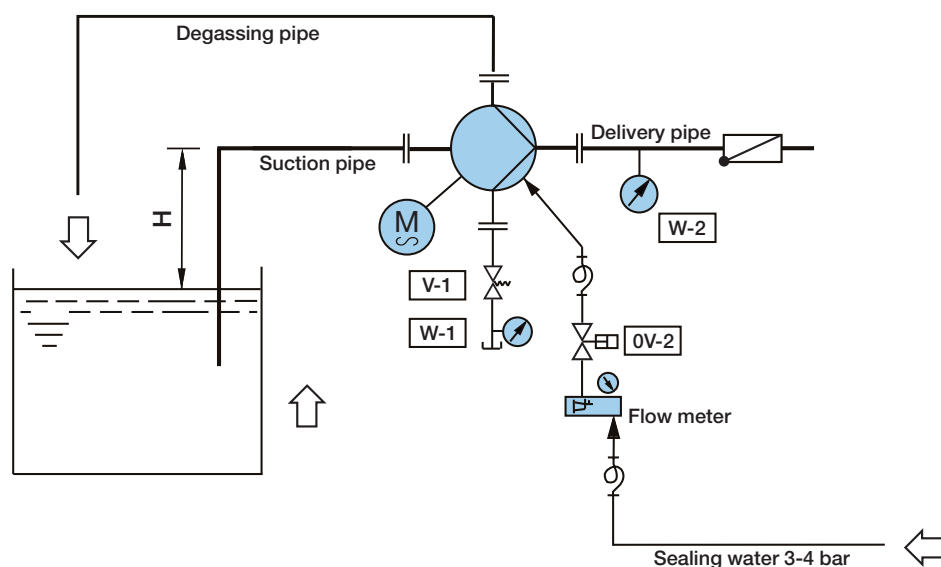






## High research and development capabilities

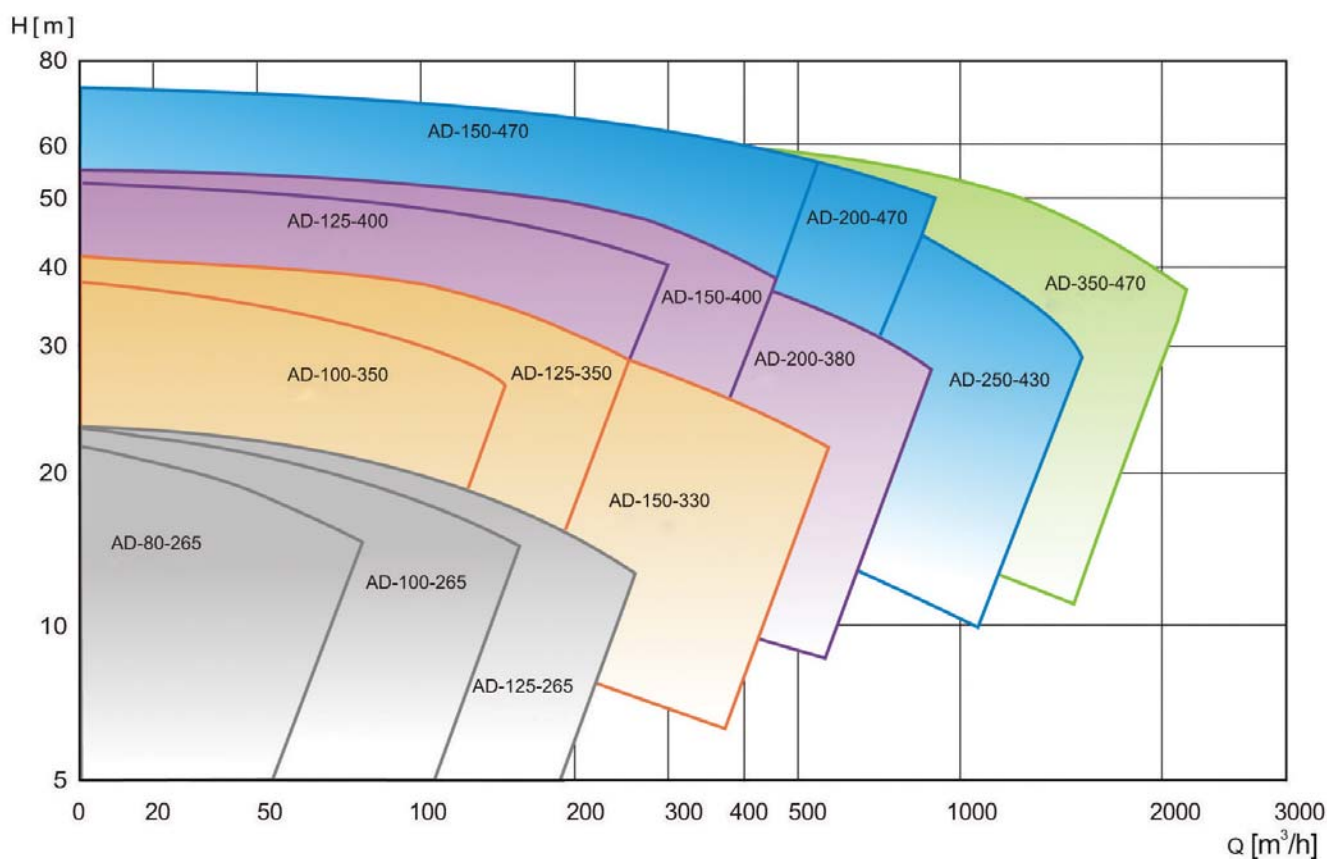
We run a pilot plant at our affiliate ASTRÖ, which enjoys international renown for its hydraulic developments and investigations. The high quality, safety and reliability of the AD Pump Series are ensured by extensive model testing.



# Characteristic curves

## ANDRITZ Self-Priming Centrifugal Pumps

Characteristic curves 1500 rpm



### Material combinations

| AD Series       | EN-GJL 250 | 1.4460 | 1.4462 |
|-----------------|------------|--------|--------|
| Impeller        |            | ■      |        |
| Vacuum impeller |            | ■      |        |
| Volute casing   | ■          | ■      |        |
| Bearing housing | ■          |        |        |
| Front lining    |            | ■      |        |
| Casing cover    |            | ■      |        |
| Shaft           |            |        | ■      |

| European standard |                 | US standard |        |
|-------------------|-----------------|-------------|--------|
| Number            | Name            | Grade       | UNS    |
| EN-JL1040         | EN-GJL 250      | Class 40B   | /      |
| 1.4460            | X3CrNiMoN27-5-2 | Grade 1A    | J93370 |
| 1.4462            | X2CrNiMoN22-5-3 | S32205      | S32205 |

## Close to our customers

