

DATA SHEET FOR bio-m[®] MAGNETIC AGITATOR TYPE BMR 2500

TYPICALLY USED FOR:

Waterlike liquids up to a viscosity of 250 mPas (above please speak to zeta)
Homogenization, improving of heat transfer, dissolution of solids
(other tasks please speak to zeta)
Depending on the task, for vessel contents between 2500 l and 8000 l

TECHNICAL DATA OF THE AGITATOR

DRIVE SYSTEM:

Worm geared motor, with 3 PLC, for operation under frequency control (not included)
3 x 400 V, 50 Hz, IP 55, Iso F, not Ex-proof
Motor power: 1,1 kW
Speed at 50 Hz: 289 rpm VFD speed range: 30 - 300 rpm

MAGNETIC COUPLING:

The torque is transmitted through the hermetically sealed containment shell by means of permanent magnets. The agitator head runs on ceramic bushes made from SiC vs ZrO₂. The open design and the big gap between containment shell and agitator head make sure that CIP cleaning is perfect (Qualification documents available)

DINEMSIONS:

Magnetic impeller, \varnothing d2: 300 mm
Weld plate \varnothing a1: 160 mm
Height H, approx.: 412 mm
incl. intermediate flange (100 mm)
Length L approx. : 340 mm

M O C, PRODUCT WETTED:

1.4435, ground to Ra < 0,8 μ m, e-polished
O-Rings : EPDM, FDA-conforming

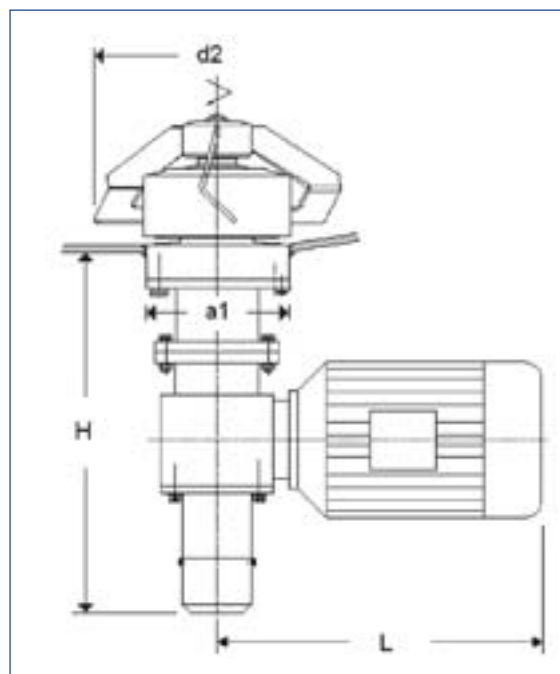
FURTHER REMARKS:

Painting, to zeta standard: RAL 5015
Weight approx.: 70kg
Lowering device: to separate the magnetic field of the magnetic rotors, for easy mounting

OPTIONS:

- speed sensor (signal processing by others)
- explosion proof design (ATEX)
- different impeller types
- design for bio reactors (type bio-m[®] BMR 2500 F), with shaft and multistage impeller system

PRINCIPLE DRAWING *



*) CAD as dwg- or dxf-file available (in case of purchase order)

