

DATA SHEET FOR bio-m[®] MAGNETIC AGITATOR TYPE BMR 30

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 10 l and 100 l

TECHNICAL DATA OF THE AGITATOR

DRIVE SYSTEM:

Electromotor, with 3 PLC, for operation under frequency control (not included)
3 x 230/400 V, 50 Hz, IP 55, Iso F, not Ex-proof
Motor power: 0,09 kW
Speed at 50 Hz: 900 rpm VFD speed range: 90 - 900 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)

DIMENSIONS:

Magnetic impeller, \varnothing d2:	80 mm
Weld plate \varnothing a1:	75 mm
Height H, approx.:	230 mm
incl. intermediate flange	(50mm)

M O C, PRODUCT WETTED:

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

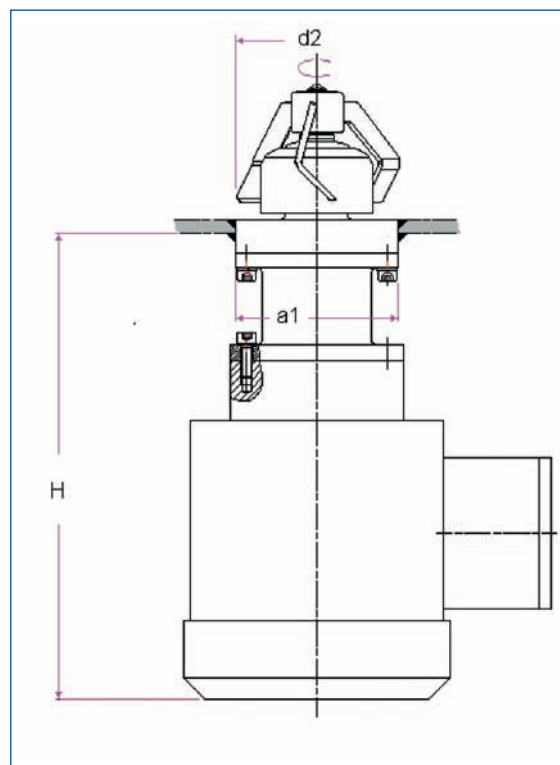
FURTHER REMARKS:

Painting, to zeta standard: RAL 5015 blue
Weight approx.: 11 Kg

OPTIONS:

- design for bio reactors
(type bio-m[®] BMR 30 F),
with shaft and multistage impeller system
- different impeller types available

PRINCIPLE DRAWING *



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

