

# macline magnetic stirrer head

mrk

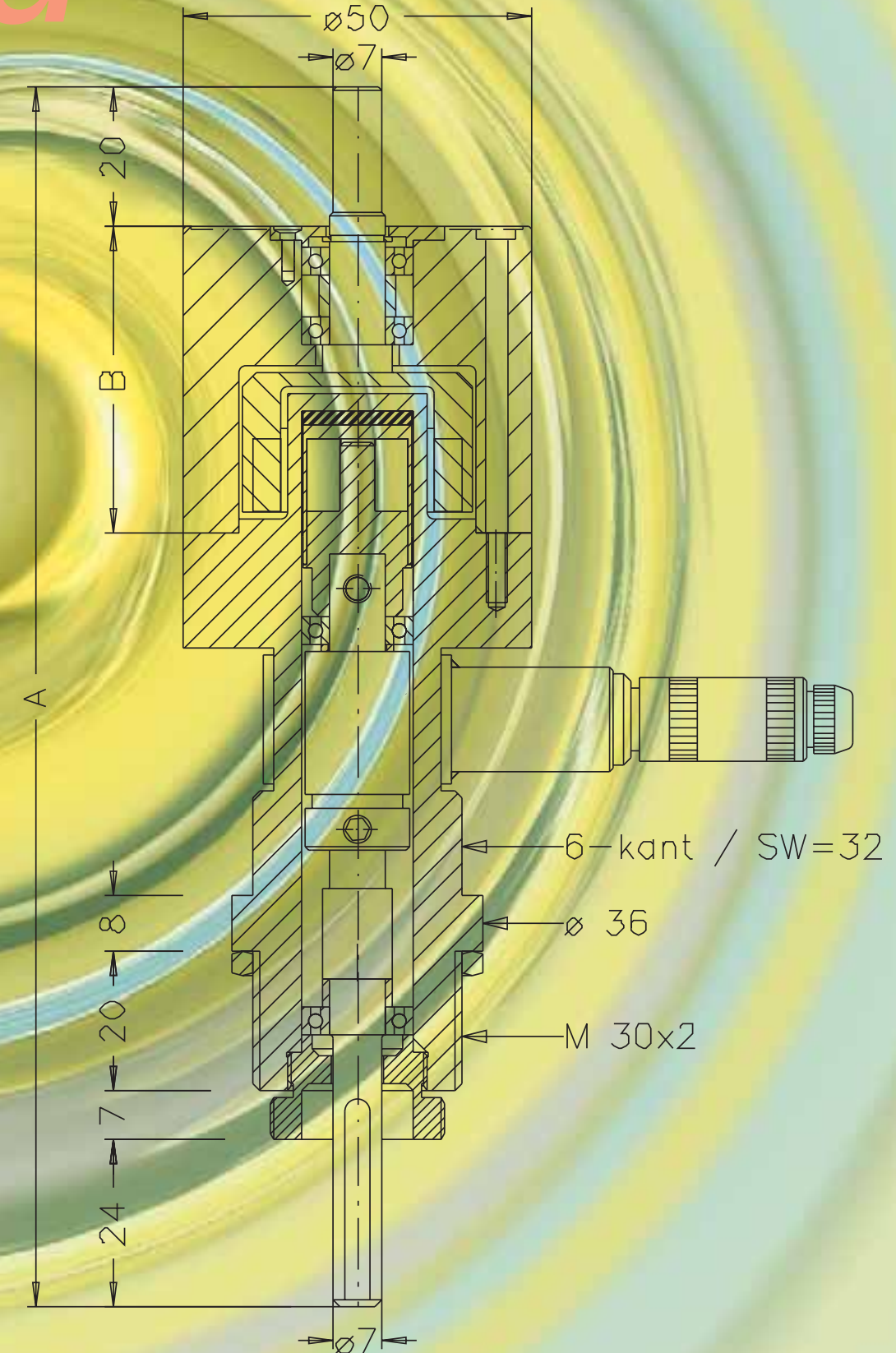


Stirrer heads for autoclave construction, series MRK «macline» (10–17). The compact magnetic stirrer heads are particularly useful where space is limited. Depending on the type, the series can withstand pressures up to 700 bar and temperatures up to 300°C. A speed reading point is fitted to the driven shaft as standard.

The MRK can easily be upgraded with the digital DZA-2B speed indicator which comes in an attractive aluminium case.

## Hastelloy Versions

Type	MRK 10	MRK 12	MRK 14	MRK 16
Prod. No.	HC22	HC22	HC22	HC22
Torque	20 Ncm	40 Ncm	60 Ncm	90 Ncm
Material	HC22	HC22	HC22	HC22
WNr. / AISI	-	-	-	-
p bar	300	300	300	300
T °C	300	300	300	300
U/Min. max	1600	1600	1600	1600
Vol. ml	1000	2000	5000	10000
A mm	172	184	205	228
B mm	44	56	77	100



## Stainless steel versions

Type	MRK 10	MRK 11	MRK 12	MRK 13	MRK 14	MRK 15	MRK 16	MRK 17
Prod. No.	MRK 10	MRK 11	MRK 12	MRK 13	MRK 14	MRK 15	MRK 16	MRK 17
Torque	20 Ncm	20 Ncm	40 Ncm	40 Ncm	60 Ncm	60 Ncm	90 Ncm	90 Ncm
Material	WNr. 1.4435	WNr. 1.4980	WNr. 1.4435	WNr. 1.4980	WNr. 1.4435	WNr. 1.4980	WNr. 1.4435	WNr. 1.4980
WNr. / AISI	AISI 316 L	AISI 660	AISI 316 L	AISI 660	AISI 316 L	AISI 660	AISI 316 L	AISI 660
p bar	200	700	200	700	200	700	200	700
T °C	300	300	300	300	300	300	300	300
max. rpm	3000	3000	3000	3000	3000	3000	3000	3000
Vol. ml	1000	1000	2000	2000	5000	5000	10000	10000
A mm	172	172	184	184	205	205	228	228
B mm	44	44	56	56	77	77	100	100

#### Connection and seal

- The compact «macline» magnetic stirrer head are directly fitted to each autoclave cover by means of an M30x2 mm threaded connection.
- We recommend using a metal olive to create a seal.

#### Material

- All product parts coming into contact with the medium are made of corrosion-resistant material. We offer the same line in Hastelloy for aggressive media. Titanium, tantalum and types of Inconel can also be used.

#### Drive

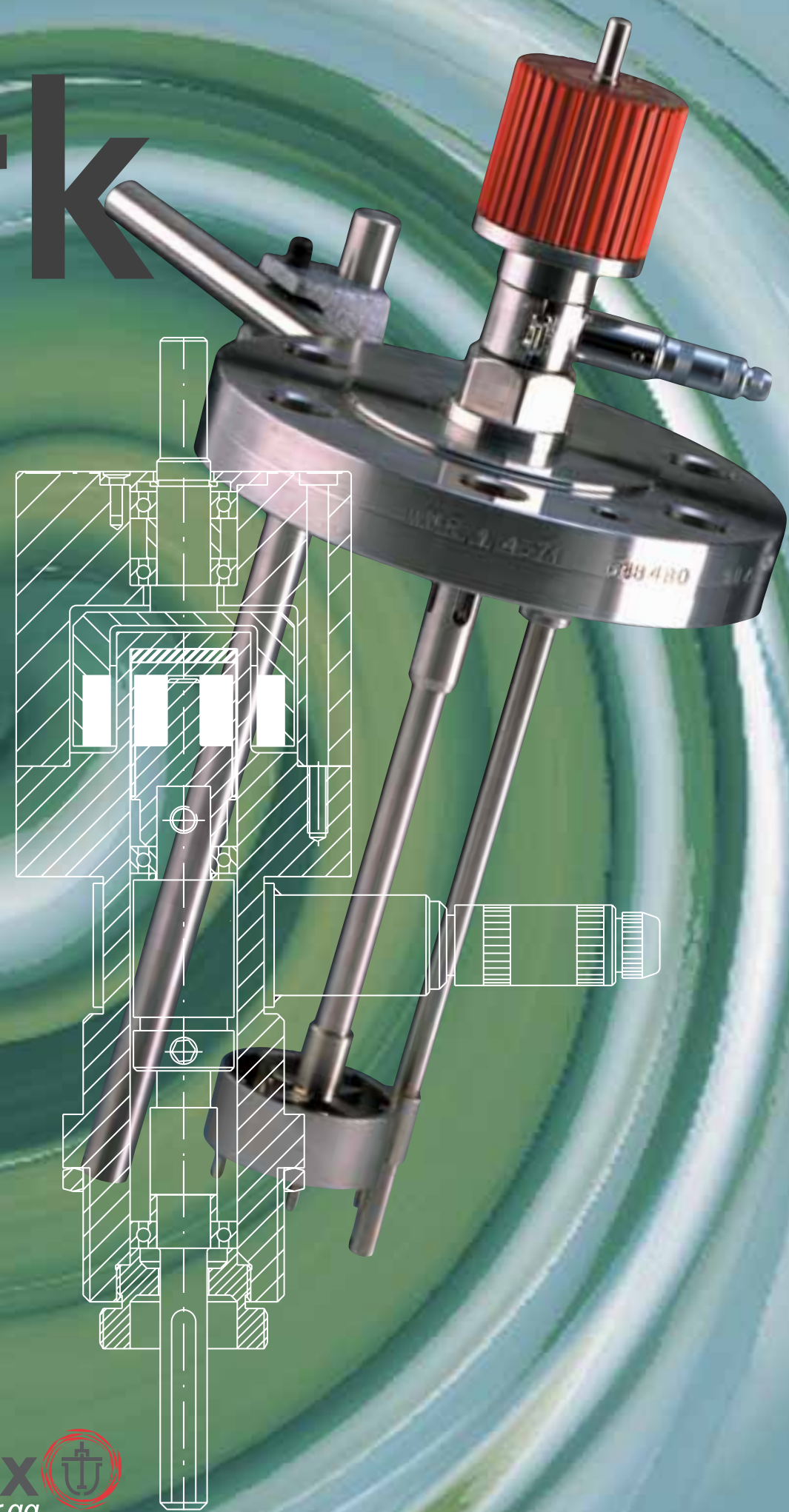
- The best solution is to connect the MRK to a factory-fitted drive motor via a flexible stirrer component. The standard drive shaft of the «macline» is 7 mm in diameter. A square 6 mm connection is also available.

#### Torque and bearings

- The torque of the magnetic coupling ranges from 20–90 Ncm.
- Corrosion-resistant ball bearings are used in the driven shaft for a maximum speed of 3'000 rpm. Hastelloy or titanium versions use friction bearings for a maximum speed of 1'600 rpm.

# mrk

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