
Connection and seal

- Ground joint NS 29/32
- Double seal to glass reactor, with two consecutive Viton O-rings. In the Hastelloy or titanium versions, the grooves increase in size, and the quality of the O-rings changes to EPDM or Kalrez.

Material

- All parts coming into contact with the medium are made of corrosion-resistant material DIN 1.4435. We offer the same line in Hastelloy C22 for aggressive media. Titanium, tantalum and types of Inconel can also be used.

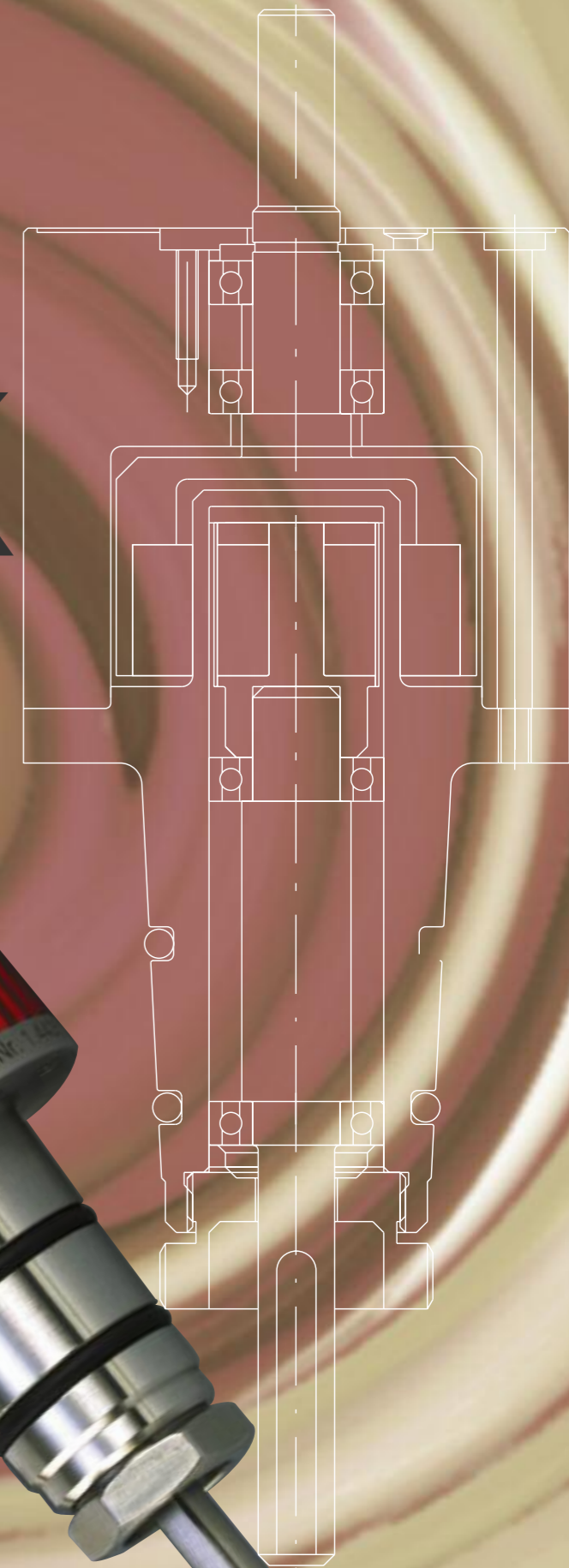
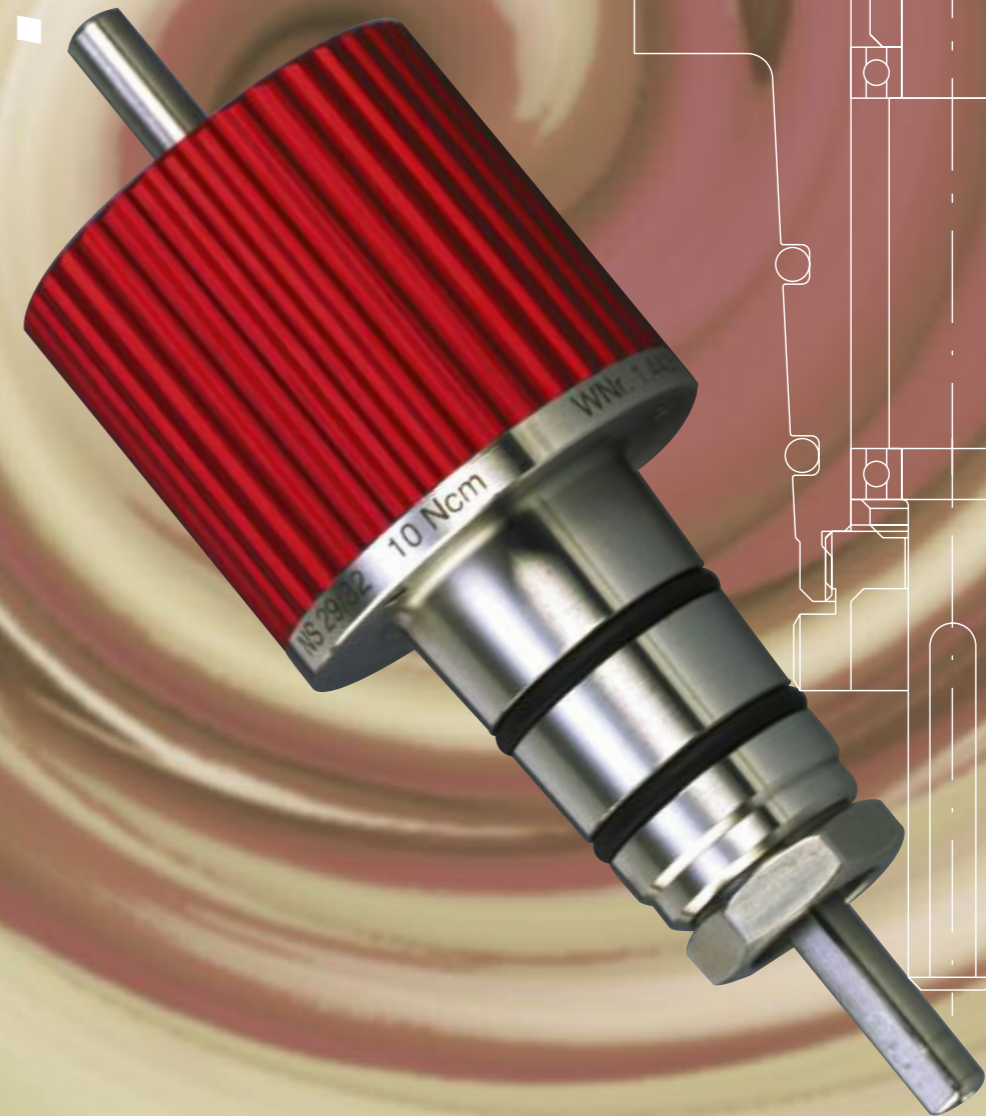
Drive / torque and bearing

- 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 mrk is 7 mm in diameter. A square 6 mm connection is also available.
- The torque of the magnetic coupling can be increased from 20–90 Ncm.
- Corrosion-resistant ball bearings are used in the driven shaft for a maximum speed of 3000 rpm. Hastelloy or titanium versions use friction bearings for a maximum speed of 1600 rpm.

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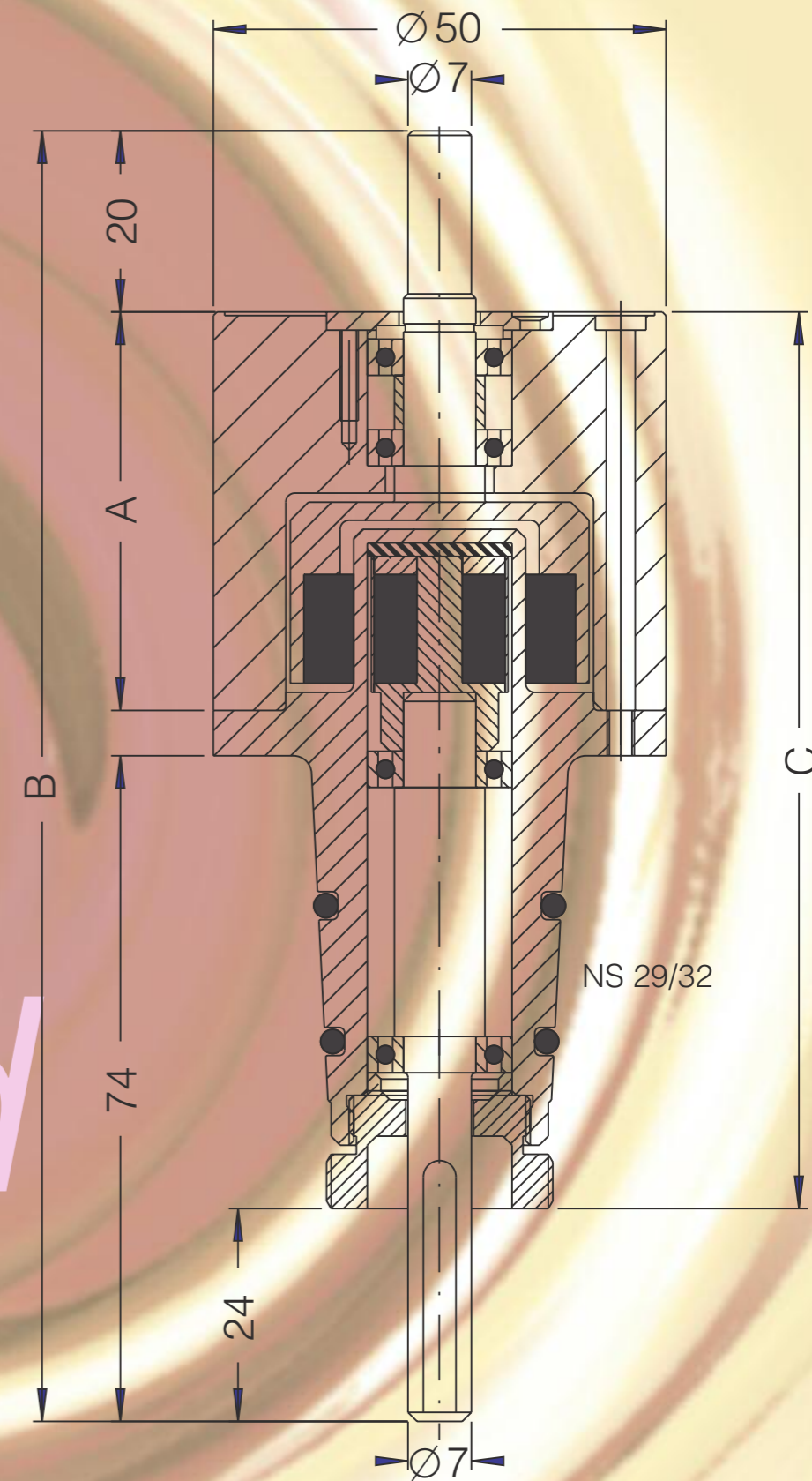
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glenfiz
mrk



premex 
reactor ag®

premix magnetic stirrer heads are state-of-the-art stirrer locks. The encapsulated inner magnet uses the mutual attraction of the magnetic fields to couple with the outer magnet where the driving power is transferred. This unique method means that stirring can be done in absolutely air-tight conditions. The mrk1 «glenfiz» can also be used in vacuum applications.



mrk magnetic stirrer head glenfiz

| Prod. no. | 07.455.00160 | 07.455.00162 | 07.455.00164 | 07.455.00166 | 07.455.00161 | 07.455.00163 | 07.455.00165 | 07.455.00167 |
|--------------|--------------|--------------|--------------|--------------|------------------|------------------|------------------|------------------|
| Type | mrk 1/20 | mrk 1/40 | mrk 1/60 | mrk 1/90 | mrk 1/20 HC22 | mrk 1/40 HC22 | mrk 1/60 HC22 | mrk 1/90 HC22 |
| Torque | 20 Ncm | 40 Ncm | 60 Ncm | 90 Ncm | 20 Ncm | 40 Ncm | 60 Ncm | 90 Ncm |
| Mat. WNr. | 1.4435 | 1.4435 | 1.4435 | 1.4435 | 2.4602 | 2.4602 | 2.4602 | 2.4602 |
| AISI | 316 L | 316 L | 316 L | 316 L | HC22 | HC22 | HC22 | HC22 |
| T °C | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 |
| Max. vol. ml | 2000 | 4000 | 6000 | 10000 | 2000 | 4000 | 6000 | 10000 |
| A mm | 44 | 56 | 78 | 100 | 44 | 56 | 78 | 100 |
| B mm | 143 | 155 | 177 | 199 | 143 | 155 | 177 | 199 |
| C mm | 99 | 111 | 133 | 155 | 99 | 111 | 133 | 155 |