

Magnetic stirrer drives

Model Selection



Magnetic stirrer drives BUK complete, max. 700 bar, torque 90 Ncm

Magnetic coupling with electric drive for speed control by frequency converter*

The use of a cardan coupling is unnecessary, meaning both vibrations and the installation height are reduced.

A speed monitor incorporating a pulse generator and a reed contact is fitted to the output shaft as standard.

Speed control of the 3-phase, a.c. motor (supply req. 3x240/400 V, 50 Hz) by frequency converter*.

All parts coming into contact with the medium are made of stainless steel.

A bore with blind plug is positioned laterally to fit an optional valve. For sealing to the autoclave lid we recommend using a cutting ring made from HC 22*, see accessories.

Magnetic stirrer drives are also available in Hastelloy®, titanium, zirconium and other materials or offering alternative torque levels.

All magnetic stirrer drives are available with ATEX certification on request.

| Type | Volume max. ml | Temperature max. °C | Pressure max. bar | Viscosity mPas | Torque Ncm | Speed max. rpm. | Material no. | Bearings | Code-No. |
|-------------|-------------------|------------------------|----------------------|-------------------|---------------|--------------------|-----------------|-------------------------------|------------------|
| BUK M40G | 1000 | 300 | 200 | 1500 | 40 | 2500 | 1.4435 | Ball bearings stainless steel | 40 26446 00219 0 |
| BUK M60G | 3000 | 300 | 200 | 6000 | 60 | 2500 | 1.4435 | Ball bearings stainless steel | 40 26446 00223 7 |
| BUK M90G | 5000 | 300 | 200 | 10000 | 90 | 2500 | 1.4435 | Ball bearings stainless steel | 40 26446 00227 5 |
| BUK M40G HP | 1000 | 300 | 700 | 1500 | 40 | 2500 | 1.4980 | Ball bearings stainless steel | 40 26446 00221 3 |
| BUK M60G HP | 3000 | 300 | 700 | 6000 | 60 | 2500 | 1.4980 | Ball bearings stainless steel | 40 26446 00225 1 |
| BUK M90G HP | 5000 | 300 | 700 | 10000 | 90 | 2500 | 1.4980 | Ball bearings stainless steel | 40 26446 00229 9 |

* not included with delivery. Viscosity data to be considered as guidelines.



Magnetic stirrer drives BUK complete with gear system, max. 700 bar, torque 90 Ncm

Magnetic coupling with gear drive for manual speed control by hand wheel.

The use of a cardan coupling is unnecessary, meaning both vibrations and the installation height are reduced.

A speed monitor incorporating a pulse generator and a reed contact is fitted to the output shaft as standard. Speed control of the 3-phase, a.c. motor (supply req. 3x240/400 V, 50 Hz) is by ball-roller gear system with hand wheel.

All parts coming into contact with the medium are made of stainless steel.

A bore with blind plug is positioned laterally to fit an optional valve. For sealing to the autoclave lid we recommend using a cutting ring made from HC 22, see accessories.

Magnetic stirrer drives are also available in Hastelloy®, titanium, zirconium and other materials or offering alternative torque levels.

| Type | Volume max. ml | Temperature max. °C | Pressure max. bar | Viscosity mPas | Torque Ncm | Speed max. rpm. | Material no. | Bearings | Code-No. |
|--------------|-------------------|------------------------|----------------------|-------------------|---------------|--------------------|-----------------|-------------------------------|------------------|
| BUK MG40G | 1000 | 300 | 200 | 1500 | 40 | 1150 | 1.4435 | Ball bearings stainless steel | 40 26446 00218 3 |
| BUK MG60G | 3000 | 300 | 200 | 6000 | 60 | 1150 | 1.4435 | Ball bearings stainless steel | 40 26446 00222 0 |
| BUK MG90G | 5000 | 300 | 200 | 10000 | 90 | 1150 | 1.4435 | Ball bearings stainless steel | 40 26446 00226 8 |
| BUK MG40G HP | 1000 | 300 | 700 | 1500 | 40 | 1150 | 1.4980 | Ball bearings stainless steel | 40 26446 00220 6 |
| BUK MG60G HP | 3000 | 300 | 700 | 6000 | 60 | 1150 | 1.4980 | Ball bearings stainless steel | 40 26446 00224 4 |
| BUK MG90G HP | 5000 | 300 | 700 | 10000 | 90 | 1150 | 1.4980 | Ball bearings stainless steel | 40 26446 00228 2 |

Lid seal for BUK with electric drive

| Type | Code-No. |
|-------------------------------------|----------|
| Cutting ring mat.no. 2.4602 (HC 22) | 55100093 |