

Magnetic stirrer couplings

Model Selection



Magnetic stirrer couplings BUK Mini with thread M18 up to 700 bar

A magnetic stirrer coupling with M18x1 thread connection which can easily be screwed into an autoclave lid.

Lid seals

Sealing to the autoclave lid is achieved using an o-ring (FFKM) or cutting ring (HC 22) which is not included with delivery. Please choose desired version.

A reed contact and speed sensor at the output shaft is fitted as standard. BUK Mini series permanent magnetic couplings provide a space-saving installation with their compact design. Ball bearings ensure rapid, easy replacement to facilitate maintenance and cleaning.

Magnetic stirrer couplings are available in stainless steel, Hastelloy®, titanium, zirconium and other materials on request.

Specifications:

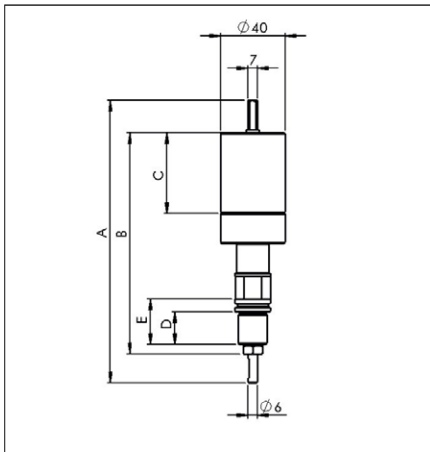
Temperature: max. 200°C
Seals: FFKM/cutting ring

Type	Pressure max. bar	Viscosity mPas	Torque Ncm	Volume max. ml	Speed max. rpm.	Material no.	Bearings	Code-No.
BUK K20G Mini	300	500	20	500	2000	1.4435	Ball bearings stainless steel	40 26446 00184 1
BUK K50G Mini	300	1500	50	1000	2000	1.4435	Ball bearings stainless steel	40 26446 00189 6
BUK K20G Mini HP	700	500	20	500	2000	1.4980	Ball bearings stainless steel	40 26446 00185 8
BUK K50G Mini HP	700	1500	50	1000	2000	1.4980	Ball bearings stainless steel	40 26446 00187 2
BUK K20G Mini HC	300	500	20	500	1150	2.4602 (HC 22)	Slide Bearings PTFE/carbon	40 26446 00426 2
BUK K50G Mini HC	300	1500	50	1000	1150	2.4602 (HC 22)	Slide Bearings PTFE/carbon	40 26446 00427 9

Drive shaft supplied with 6 mm external square stub and brass adapter Ø 8 mm. Viscosity data to be considered as guidelines.

Lid seals for BUK Mini

Type	Size	Application	Code-No.
O-Ring Kalrez® (FFKM)	for BUK Mini	High temperature up to 300°C	55101127
Cutting ring HC 22 mat.no. 2.4602	for BUK Mini	High temperature, high pressure seal	55100112



Dimensions of BUK Mini

Type	A mm	B mm	C mm	D mm	E mm
BUK K20G Mini - BUK K20G Mini HC	175	137	50	20	28
BUK K50G Mini - BUK K50G Mini HC	193	155	68	20	28

Application example for BUK Mini

Shown here is a BUK Mini magnetic stirrer coupling with 50 Ncm torque and speed adjustment by a frequency-controlled, swivelling electric motor. The coupling is mounted on a 200 ml high pressure autoclave at 200 bar and 300°C. BUK Mini couplings have been specially developed for small high pressure reactors. Their design and construction allows use in applications up to 450°C, 700 bar and 50 Ncm, depending on the material they are manufactured from.

