

Magnetic stirrer couplings

Model Selection

BUK magnetic stirrer couplings with thread M30 up to 700 bar

A magnetic stirrer coupling with M30x2 thread connection which can easily be screwed into an autoclave lid. Sealing to the autoclave lid is achieved using a cutting ring (HC 22)*, see accessories. A reed contact and speed sensor at the output shaft is fitted as standard.

The thread 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.

Different torque levels and seals are offered on request.



Specifications

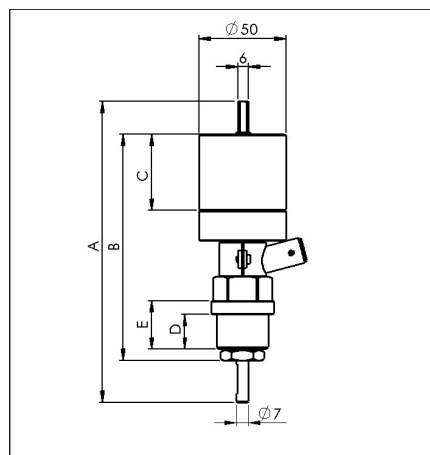
Temperature: max. 300°C

Type	Volume max. ml	Pressure max. bar	Viscosity mPas	Torque Ncm	Speed max. rpm.	Material no.	Bearings	Code-No.
BUK K20G	500	200	500	20	2500	1.4435 (AISI 316L)	Ball bearings stainless steel	40 26446 00190 2
BUK K40G	1000	200	1500	40	2500	1.4435 (AISI 316L)	Ball bearings stainless steel	40 26446 00192 6
BUK K60G	3000	200	6000	60	2500	1.4435 (AISI 316L)	Ball bearings stainless steel	40 26446 00194 0
BUK K90G	5000	200	10000	90	2500	1.4435 (AISI 316L)	Ball bearings stainless steel	40 26446 00198 8
BUK K20G HC	500	200	500	20	1150	2.4602 (HC 22)	Slide Bearings PTFE/carbon	40 26446 00428 6
BUK K40G HC	1000	200	1500	40	1150	2.4602 (HC 22)	Slide Bearings PTFE/carbon	40 26446 00429 3
BUK K60G HC	3000	200	6000	60	1150	2.4602 (HC 22)	Slide Bearings PTFE/carbon	40 26446 00430 9
BUK K90G HC	5000	200	10000	90	1150	2.4602 (HC 22)	Slide Bearings PTFE/carbon	40 26446 00431 6
BUK K20G HP	500	700	500	20	2500	1.4980	Ball bearings stainless steel	40 26446 00191 9
BUK K40G HP	1000	700	1500	40	2500	1.4980	Ball bearings stainless steel	40 26446 00193 3
BUK K60G HP	3000	700	6000	60	2500	1.4980	Ball bearings stainless steel	40 26446 00196 4
BUK K90G HP	5000	700	10000	90	2500	1.4980	Ball bearings stainless steel	40 26446 00199 5

* seal not included with delivery. Drive shaft supplied with 6 mm external square stub and brass adapter Ø 8 mm. Viscosity data to be considered as guidelines.

Dimensions of BUK with thread M30

Type	A mm	B mm	C mm	D mm	E mm
BUK K20G	175	130.5	44	20	28
BUK K40G	187	142.5	56	20	28
BUK K60G	209	164.5	78	20	28
BUK K90G	231	186.5	100	20	28



Application example for BUK with M30 thread

Shown here is a BUK K40G magnetic stirrer coupling with 40 Ncm torque and speed adjustment by a frequency-controlled, swivelling electric motor. The complete autoclave is controlled separately. The coupling is mounted on a 200 ml high pressure autoclave at 200 bar and 300°C.

