

Magnetic stirrer drives

Model Selection



PMRK compressed air magnetic stirrer drives with ground joint

PMRK series drives feature a permanent magnetic coupling and a flanged, compressed air-driven motor. The use of a cardan coupling is unnecessary, meaning both vibrations and the installation height are reduced. The speed is regulated by a continuously adjustable fine control valve, with an analogue tachometer fitted as standard.

The stirring system is supplied certified to ATEX regulations. Please order desired documentation separately.

We can also make alternative flanges to your requirements - details on request.

Specifications

PMRK 11/1 and PMRK 11/2

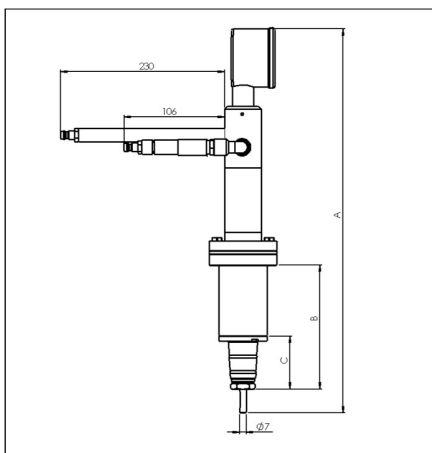
Material no.: 1.4435 (AISI 316L)
Temperature: max. 240°C
Seals: Viton®

PMRK 11/1 HC and PMRK 11/2 HC

Material no.: 2.4602 (HC 22)
Temperature: max. 250°C
Seals: FFKM

Type	Joint size	Volume max. ml	Viscosity mPas	Torque Ncm	Speed max. rpm.	Bearings	Code-No.
PMRK 11/1/90	NS 29/32	5000	10000	90	1750	Ball bearings stainless steel	40 26446 00332 6
PMRK 11/1/90 HC	NS 29/32	5000	10000	90	1150	Slide bearings PTFE/carbon	40 26446 00335 7
PMRK 11/2/90	NS 45/40	10000	10000	90	1750	Ball bearings stainless steel	40 26446 00338 8
PMRK 11/2/90 HC	NS 45/40	10000	10000	90	1150	Slide bearings PTFE/carbon	40 26446 00341 8

Viscosity data to be considered as guidelines. Technical data pertaining to 6 bar operating pressure.



Dimensions of PMRK with ground joint

Type	A mm	B mm	C mm
PMRK 11/1/90	398	130	56
PMRK 11/2/90	411	142	69

ATEX documentation 0/1:

Zone 0 in the reactor, zone 1 outside, EU declaration of conformity

ATEX documentation 1/1:

Zone 1 in the reactor, zone 1 outside, EU declaration of conformity

Type	Code-No.
ATEX documentation 0/1	40 26446 00727 0
ATEX documentation 1/1	40 26446 00767 6

Application example for PMRK with ground joint

Shown here is a PMRK 11/1/90 compressed air-operated magnetic stirrer drive with NS 29/32 ground joint, mounted on a 3 l double-jacketed reaction vessel with NW 150 lid. Depending on the reaction vessel, this range is suitable for work under vacuum and temperatures up to 250°C. The whole stirring unit is designed for use in EX zones (ATEX).

