

Magnetic stirrer drives

Model Selection



PMRK 11/3 compressed air magnetic stirrer drives with flange up to 10 bar, mat.no. 2.4602 (HC 22)

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 flange version is suitable for applications under vacuum and pressure up to 10 bar. The advantage of a flange connection is that forces are distributed over a larger contact surface, allowing the use of higher torques and larger container volumes.

The speed is regulated by a continuously

adjustable fine control valve, with an analogue tachometer fitted as standard.

Ball bearings ensure rapid, easy replacement to facilitate maintenance and cleaning.

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

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

Type	Flange DN	Volume max. ml	Temperature max. °C	Viscosity mPas	Torque Ncm	Speed max. rpm.	Bearings	Code-No.
PMRK 11/3/90 HC	15	5000	240	10000	90	1150	Slide bearings PTFE/carbon	40 26446 00556 6
PMRK 11/3/120 HC	15	10000	240	10000	120	1150	Slide bearings PTFE/carbon	40 26446 00557 3
PMRK 11/3/150 HC	15	10000	240	30000	150	1150	Slide bearings PTFE/carbon	40 26446 00558 0
PMRK 11/3/90 HC	25	5000	240	10000	90	1150	Slide bearings PTFE/carbon	40 26446 00561 0
PMRK 11/3/120 HC	25	10000	240	10000	120	1150	Slide bearings PTFE/carbon	40 26446 00562 7
PMRK 11/3/150 HC	25	10000	240	30000	150	1150	Slide bearings PTFE/carbon	40 26446 00563 4
PMRK 11/3/90 HC	40	5000	240	10000	90	1150	Slide bearings PTFE/carbon	40 26446 00566 5
PMRK 11/3/120 HC	40	10000	240	10000	120	1150	Slide bearings PTFE/carbon	40 26446 00567 2
PMRK 11/3/150 HC	40	10000	240	30000	150	1150	Slide bearings PTFE/carbon	40 26446 00568 9

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

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 flange

Shown here is a PMRK 11/3/90 compressed air-operated magnetic stirrer drive with NW 25 flange, mounted on a 3 l double-jacketed reaction vessel with NW 150 lid. Depending on the reaction vessel, this range is suitable for pressures up to 10 bar and temperatures up to 250°C. The whole stirring unit is designed for use in EX zones (ATEX).

