

# Magnet drive gear pump-motor units MKCS08S/MKCS11S series

The MK series pumps are designed to complete the existing MG series with improved performances in terms of flow rate, pressure, capability to handle high viscosity fluids and a wider offer of materials to suit most applications, from the food to the industrial and chemical markets. The housing of the pump and the internal metal parts are available in AISI 303, AISI 316L or SAF 2205. The rare earths driving magnet is capable to drive the pump at high pressure.

The quality of the materials of the assembled components allows handling of fluids with temperatures up to 120 °C (248 F).

The coupling with the MKCS08S-MKCS11S units designed for heavy duty, provides a reliable and noiseless operation in a compact size package. The pole-to-pole alignment of the two magnets provides the driving motion to the pump.

Decoupling will occur when the pumpload exceeds the maximum coupling torque provided by the alignment of the two magnets.

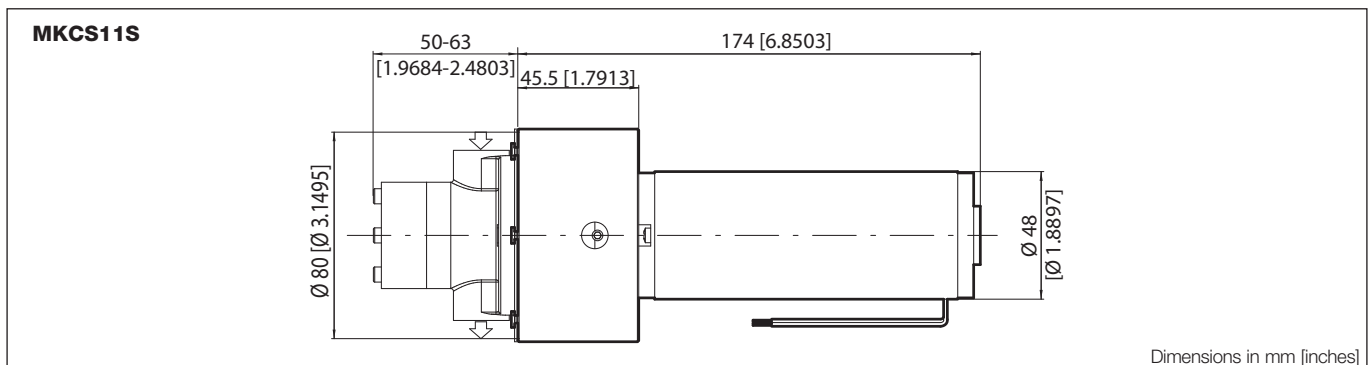
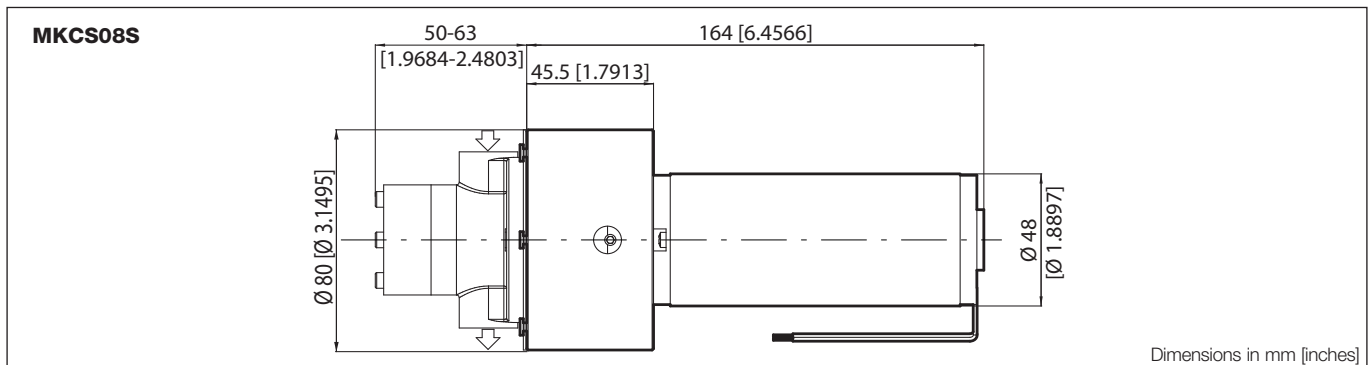
Available upon request:

- Ferrite driving magnet



## MAIN APPLICATIONS

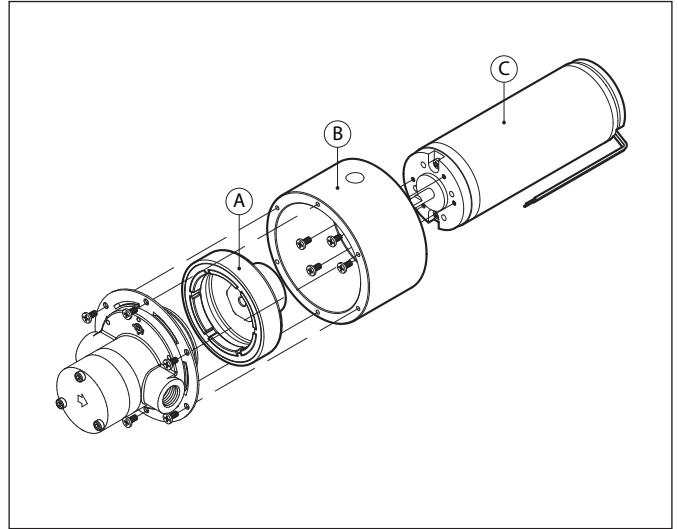
- Medical and surgical equipment
- Hemodialysis apparatus
- Laser apparatus
- Lubrication
- Ink-jet printing systems
- Cooling systems
- Laboratory instrumentation
- Water purification and ultra-filtration
- Sampling
- Food processing equipment



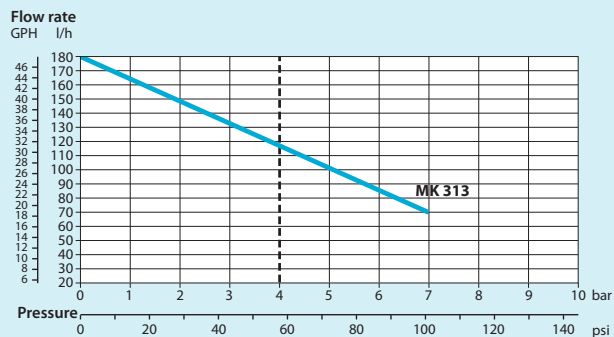
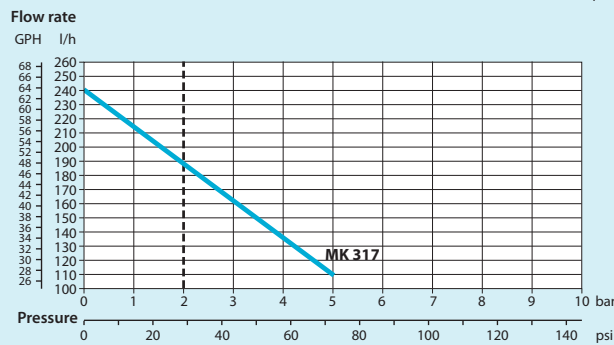
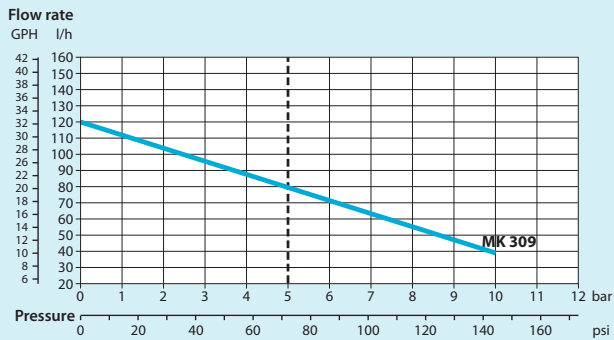
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POS	DESCRIPTION	FEATURES	CODE
<b>A</b>	Driving magnet	For 5 mm bore	MKAS05S
<b>A+B</b>	Complete adapter	For KAG M48x50 For KAG M48x60	MKBS48S
<b>A+B+C</b>	Complete motor assembly	See table below	MKCS08S MKCS11S

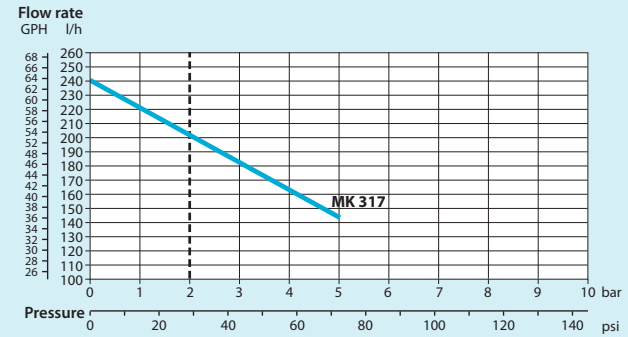
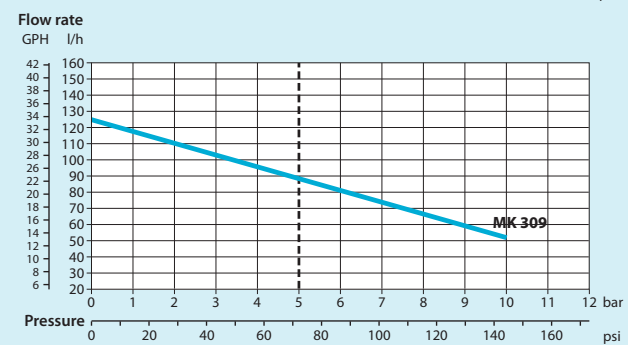
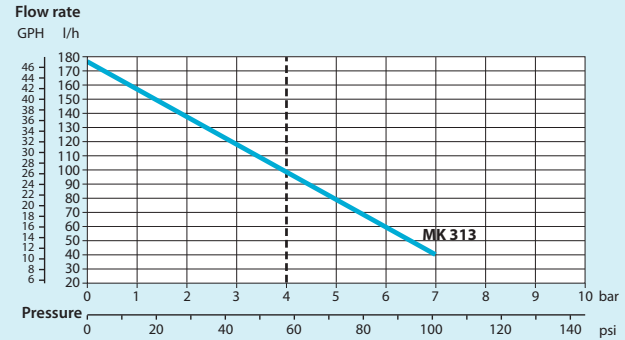
DRIVING UNIT	MKCS08S	MKCS11S
Voltage (V)	12 DC	24 DC
Rated speed (rpm)	3050	3150
Current consumption (A)	3.4	2.6
Output power (W)	32	49,5
Weight (Kg)	1.2	1.3



## MKCS08S



## MKCS11S



Note: Beyond the continuous duty (dotted) line a motor test is needed. Characteristics with water at 20 °C (68 F) and without relief valve, max vacuum 724 mmHg. Use filter before pump inlet not larger than 10 microns. Unit weight: 1.9 Kg (4.2 Lbs). Temperature requirements different from ambient temperature must be mentioned on the order.

Fluid-o-Tech reserves the right to alter the specifications indicated in this catalogue at any time and without prior notice.

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