

Fluid-o-Tech magnet drive gear pumps MK200-MK300 series



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 pump's housing and the internal metal parts are available in AISI 303, AISI 316L or SAF 2205. The gears are available in PTFE™ or Peek™. The driving magnet, available in Ferrite or in rare earths, 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 low noise and pulsation is the result of precision gears accurately assembled and balanced within the housing combined with the magnetic coupling which grants the perfect alignment. The Sanitary design makes this pump series the preferred candidate for use in medical applications where trouble-free products are needed.

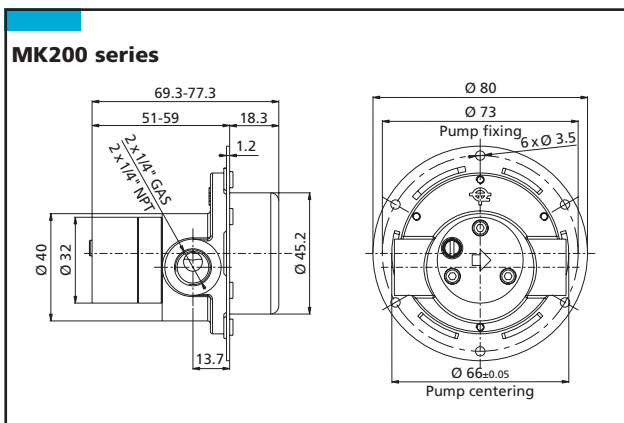
Main applications

- 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

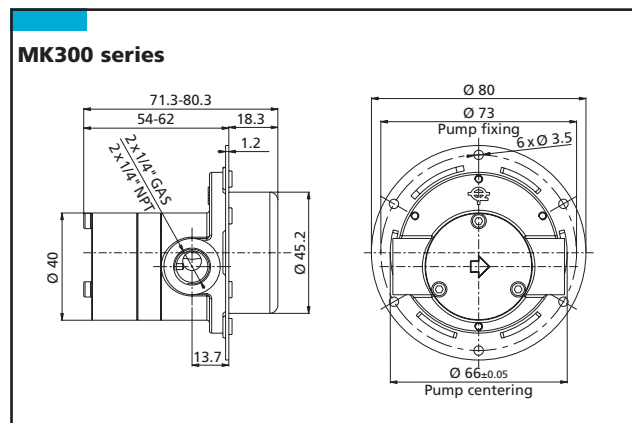
The MK200, MK300 and MK300 High Viscosity series pumps are designed to complete the existing MG200 series with improved performances in terms of flow rate, pressure,



- Self priming
- 1/4" F GAS or NPT ports
- Temperature range:
PTFE™ -45 to +50 °C / -49 to +122 °F
Peek™ -45 to +120 °C / -49 to +248 °F
- Max system pressure: 20 bar/290 psi
- Relief valve available for MK200 series only
- NSF listed pumps available

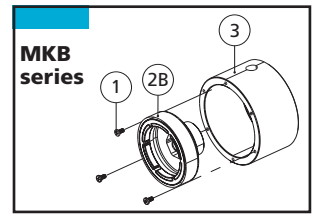
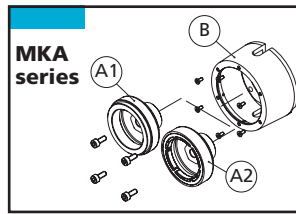
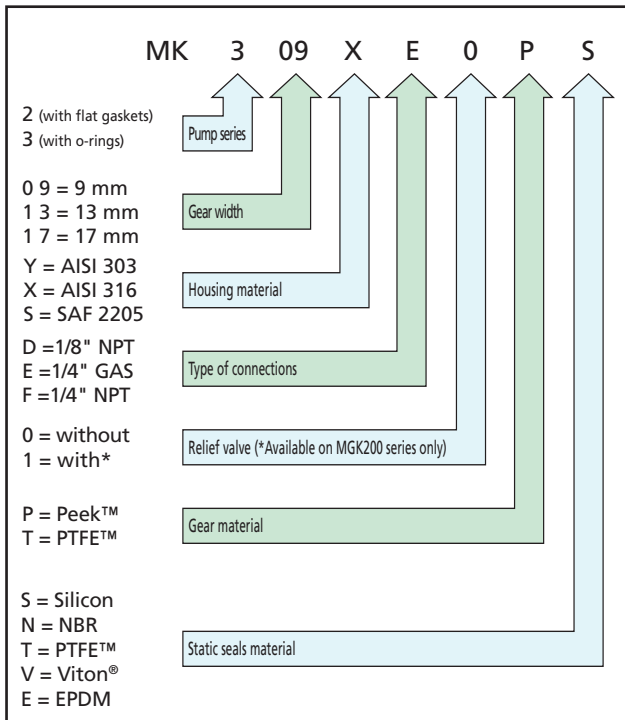


Max pump weight: 720 g (1,58 Lbs).



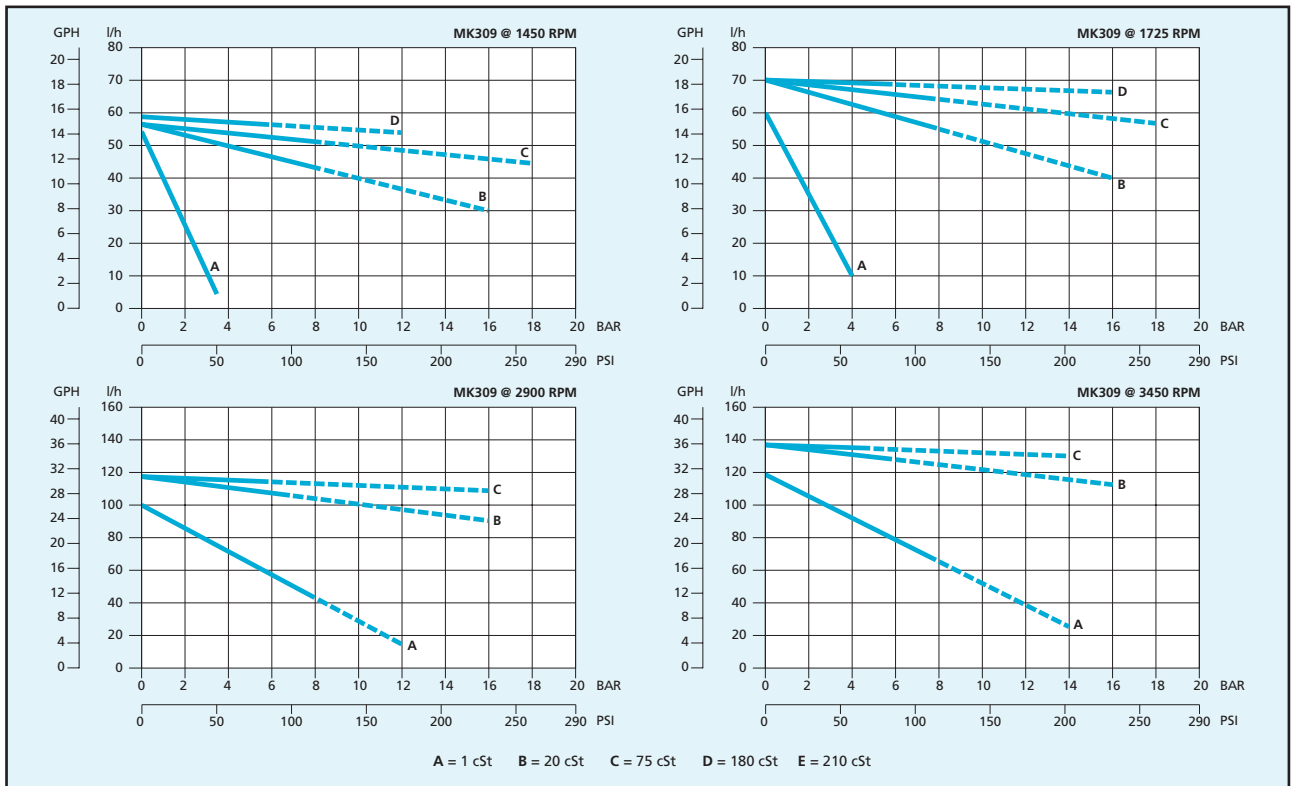
Fluid-o-Tech reserves the right to alter the specifications indicated in this catalogue at any time and without prior notice.

Fluid-o-Tech magnet drive gear pumps MK200-MK300 series



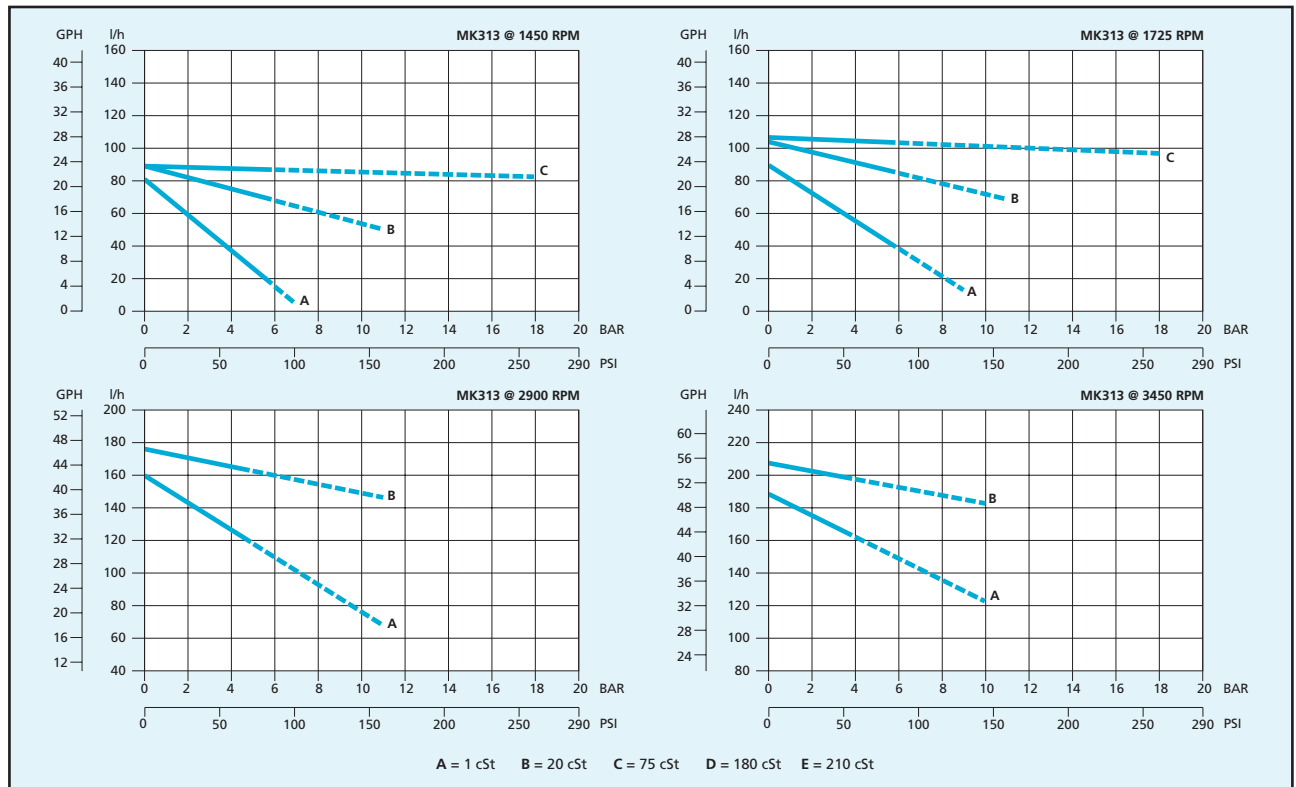
Pos.	Description	Features	Code
A1	Ferrite driving magnet	9 mm bore	MKAF09S
		11 mm bore	MKAF11S
		5/8" mm bore	MKAF5BS
A2	Rear earths driving magnet	9 mm bore	MKAS09S
		11 mm bore	MKAS11S
A1+B	Complete adapter with ferrite driving magnet	For M56 motor	MKBF56S
		For M63 motor	MKBF63S
		For Nema 56C motor	MKBF5BS
A2+B	Complete adapter with rear earths driving magnet	For M56 motor	MKB56S
		For M63 motor	MKB563S
		For Nema 56C motor	MKB55BS

MK309 - Performance curves at different viscosities

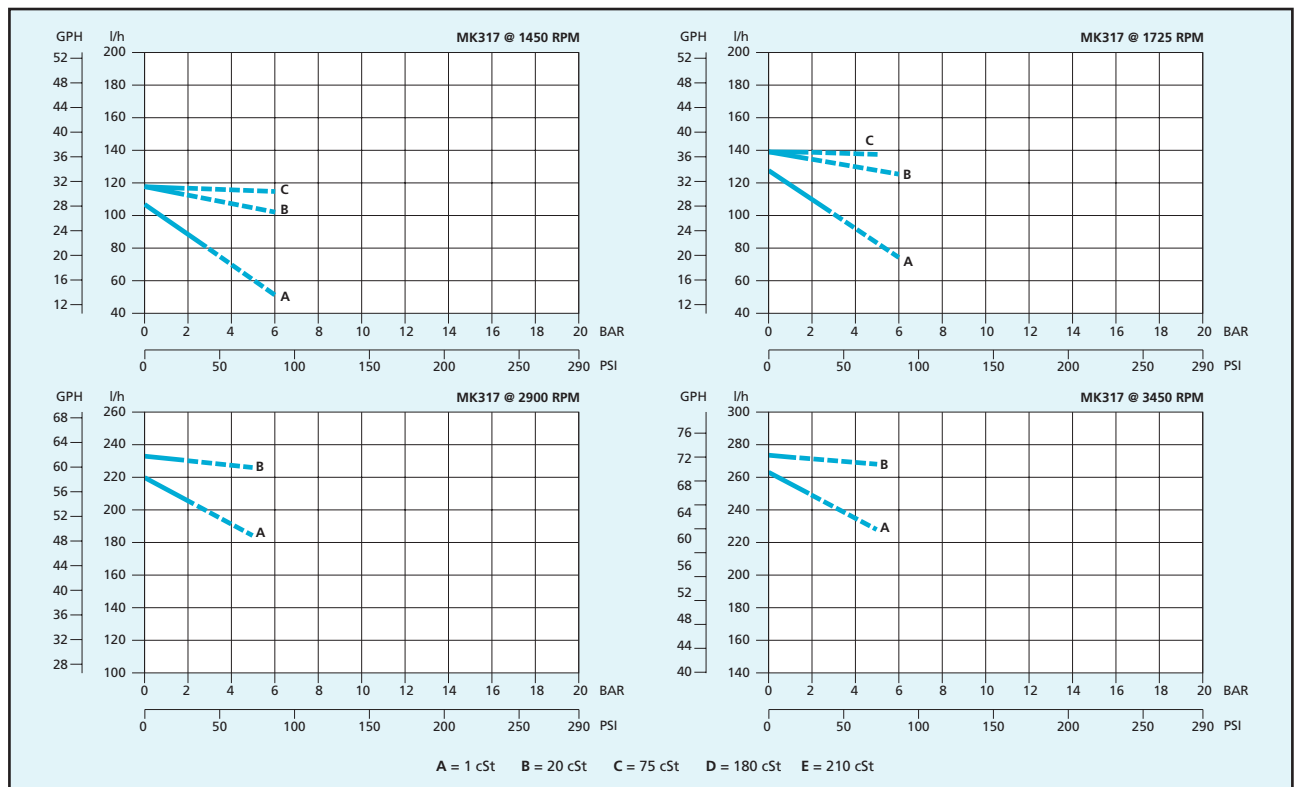


— Operating range with ferrite magnet
- - - Operating range with rare earth magnet

MK313 - Performance curves at different viscosities

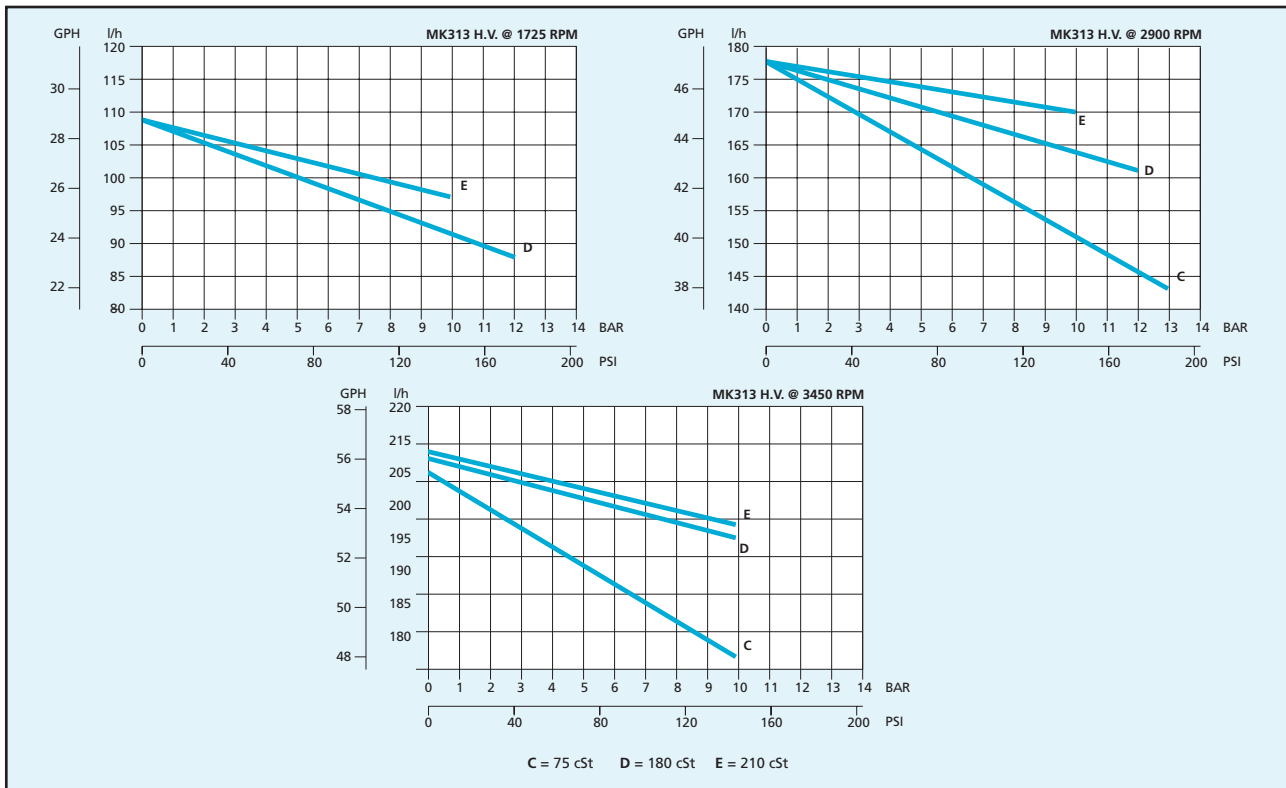


MK317 - Performance curves at different viscosities

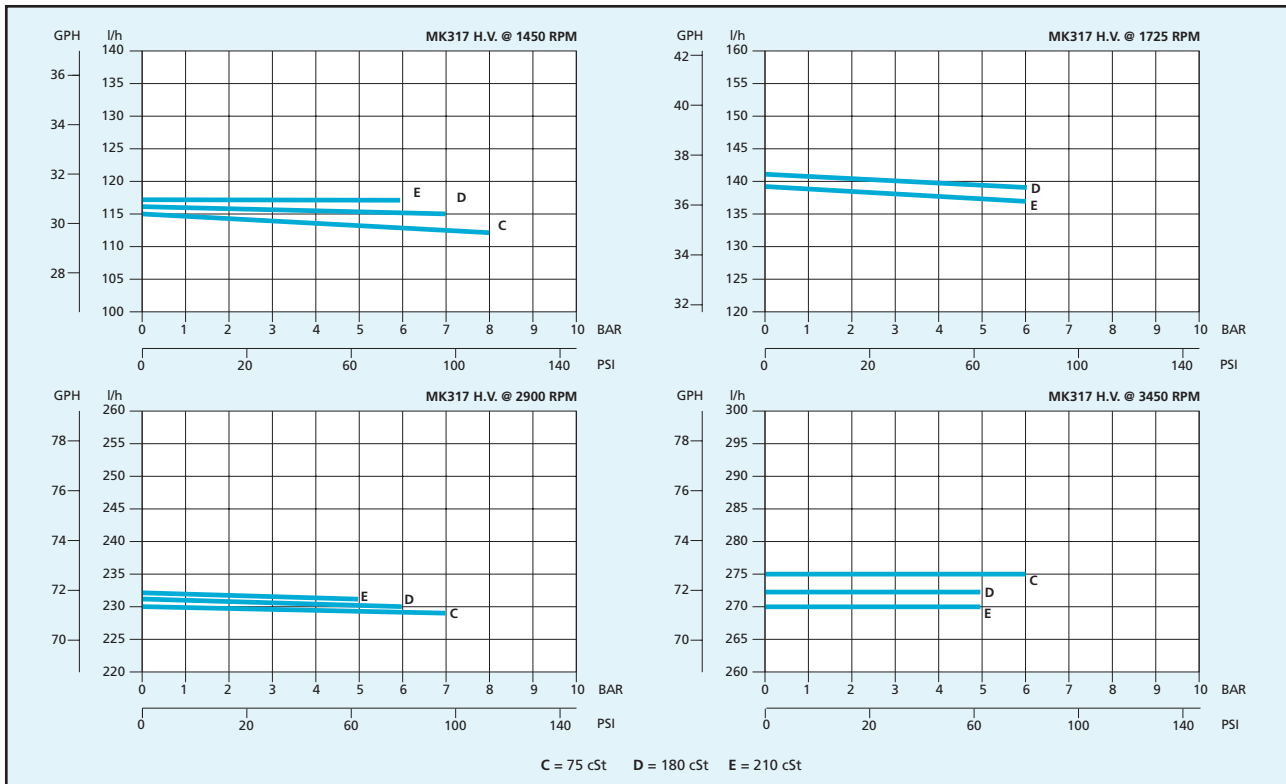


— Operating range with ferrite magnet
 - - - Operating range with rare earth magnet

MK313 High viscosity - Performance curves at different viscosities*



MK317 High viscosity - Performance curves at different viscosities*



For applications involving fluids different from water, high temperatures or unusual processing conditions, please consult the factory or an authorized distributor.

*Note: The inlet pipe diameter must be at least 10 mm.

MK - 03/09 Ed.