

# Magnet drive coupled external gear pumps

## MTC series

The MTC range of compact magnetically driven gear pumps from Fluid-o-Tech® extends the range to over 40 lpm.

The pump offers precision performance to critical applications where environmental concerns or system pressure dictate the need for a leak-free coupling to the motor.

The magnetic coupling provides synchronous connection to the motor without the hazards of a shaft seal or mechanical coupling. The pump housing self-aligns and bolts directly to the motor.

The AISI 316L stainless steel construction with engineered polymer gears and bearings provide quiet and pulse free delivery and compatibility with a wide range of fluids.

Rare earth magnets are supplied as standard with options to operate in extreme conditions to 120°C, 10 Bar differential or >1000 Cps viscosity.

Available upon request:

- For operation above 60 °C (140 F) gears are sized for heat expansion
- Coupling torque options are 240 in-oz and 460 in-oz

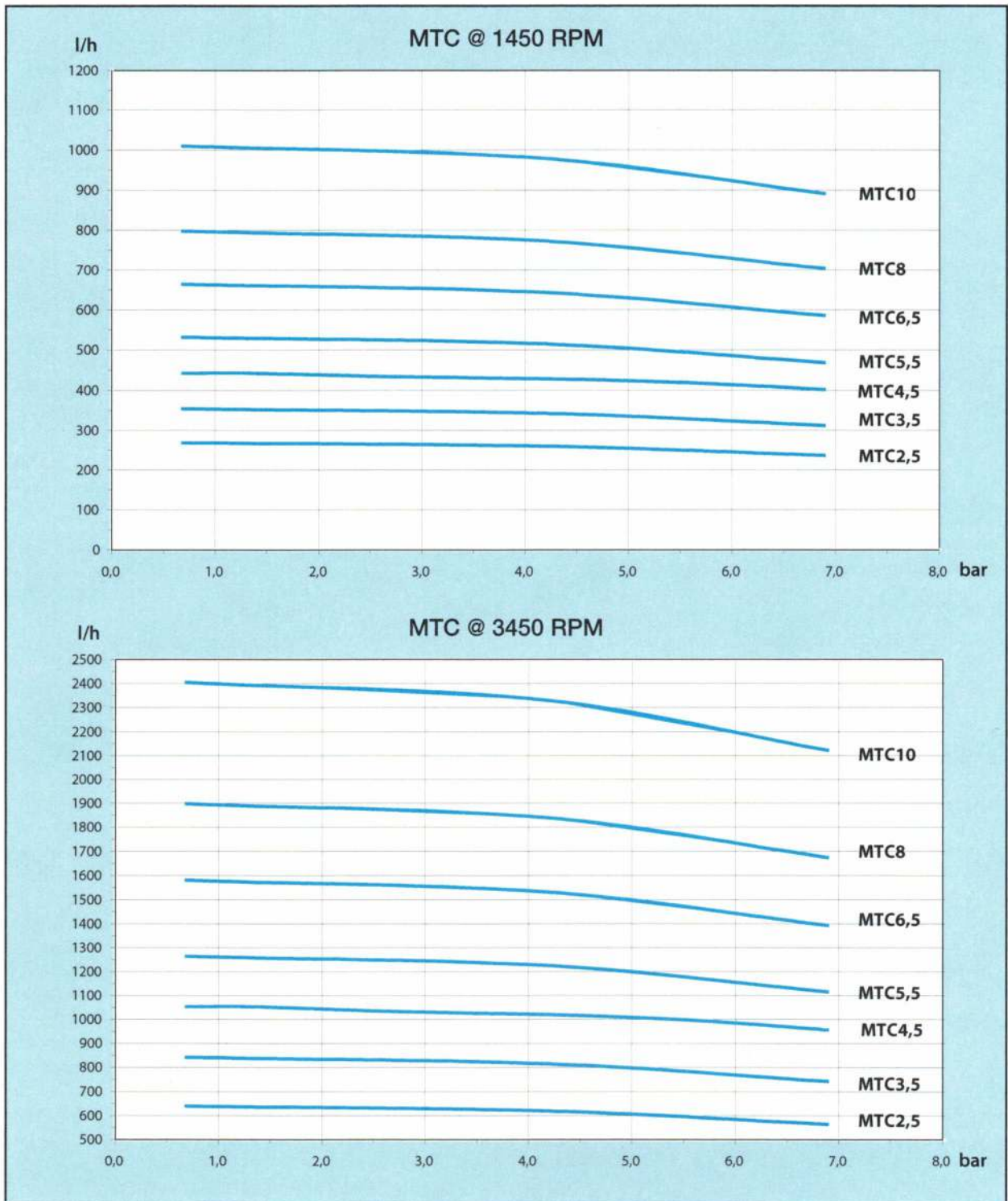


### MAIN APPLICATIONS

- X-ray equipment heat transfer fluids
- Semi-conductor process cooling
- Chemical transfer
- Metering
- Water purification
- Process temperature control
- Pumping of most clean or filtered fluids

### TECHNICAL INFORMATION

Pump housing material	Stainless steel	Max static pressure	35 bar/500 psi
Gears and bushing materials	PPS	Temperature range	PPS to 120 °C/248 F
Ports	3/8" - 1/2" - 3/4" NPT	Viscosity range	0.3 to 1000 Cps
Speed limit	4.000 rpm	Max vacuum	724 mmHg/28 inHg



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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