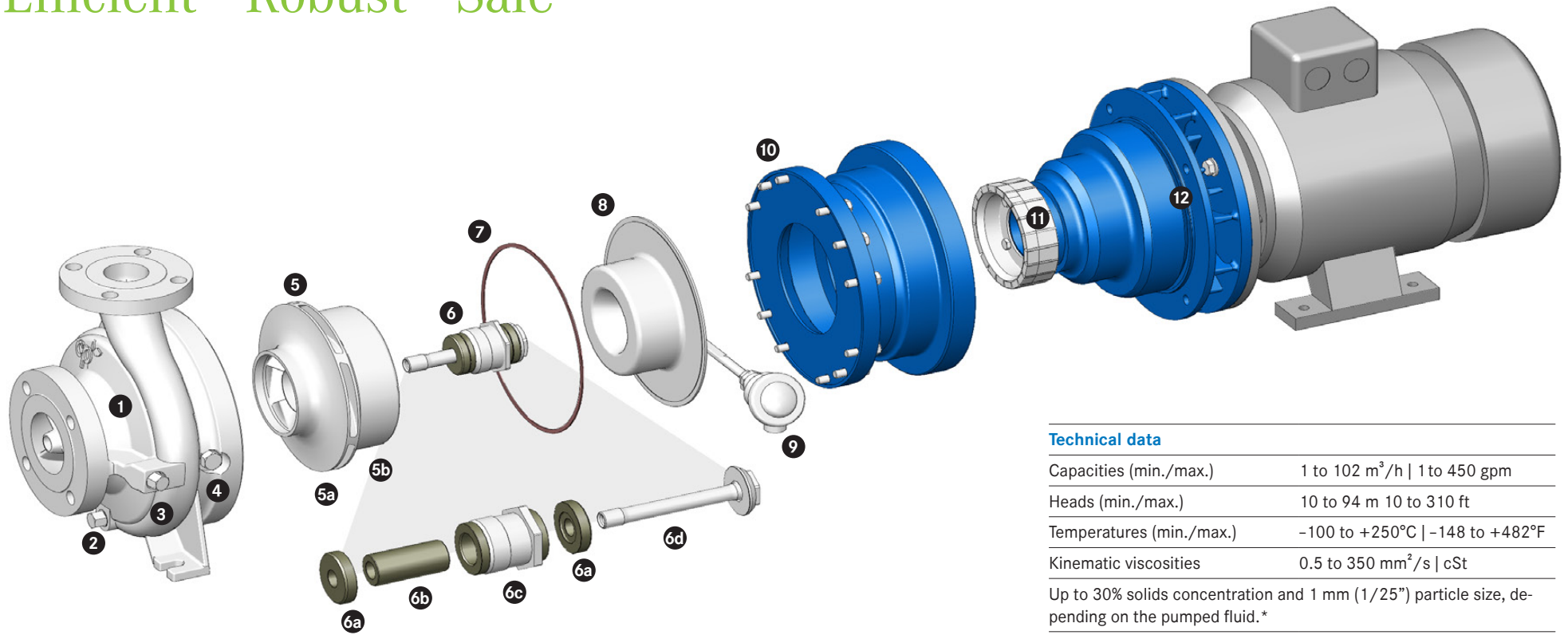


# MKP-ANSI – Magnetic Drive Chemical Process Pump

## Efficient – Robust – Safe



### Technical data

Capacities (min./max.)	1 to 102 m <sup>3</sup> /h   1 to 450 gpm
Heads (min./max.)	10 to 94 m   10 to 310 ft
Temperatures (min./max.)	-100 to +250°C   -148 to +482°F
Kinematic viscosities	0.5 to 350 mm <sup>2</sup> /s   cSt

Up to 30% solids concentration and 1 mm (1/25") particle size, depending on the pumped fluid.\*

\*In general, media with solids content can be transported, but application-specific verification in advance is necessary.

- 1 Pump casing
- 2 Casing drain
- 3 Internal bearing lubrication or external flush connection
- 4 Pt100 temperature probe connection
- 5 Impeller unit consisting of:
  - 5a Impeller
  - 5b Driven magnet assembly attached to impeller (on product side)

- 6 Central bearing (impeller attachment by means of locking sleeve) consisting of:
  - 6a Thrust bearing ring
  - 6b Bearing sleeve
  - 6c Bearing bush assembly
  - 6d Clamping sleeve
- 7 Casing seal

- \*\* 8 Hermetically sealed containment shell (primary seal)
- 9 Containment shell thermocouple
- 10 Lantern
- 11 Magnetic coupling (on atmospheric side)
- 12 Secondary seal (optional)

\*\*CP's unique drive principle **without** plain bearing carrier.