

Process pumps

HAMPRO-Series

Chemical pumps

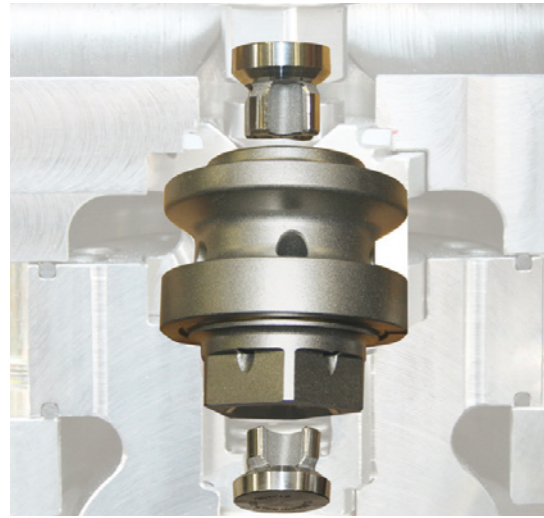
Pumps for produced water

Pumps for the offshore industry

Pumps for the iron and steel industry

Twin conical valves

The conical shape allows low wear operation even with contaminated media. Suction and discharge valves are both conical design.



Bellows system

The bellows are the hermetic seals for the power end to prevent the intrusion of fluid or gas.



ZERO EMISSION
TA-Luft (Clean Air) certified to VDI 2440

The Zero Emission design ensures that the pumped medium is sealed off from the surrounding atmosphere enabling environmentally threatening, toxic and explosive fluids to be pumped safely at up to 4000 bar.

Energy efficiency

Hammelmann plunger pumps convert 93 to 98 % of the shaft power to hydraulic energy.

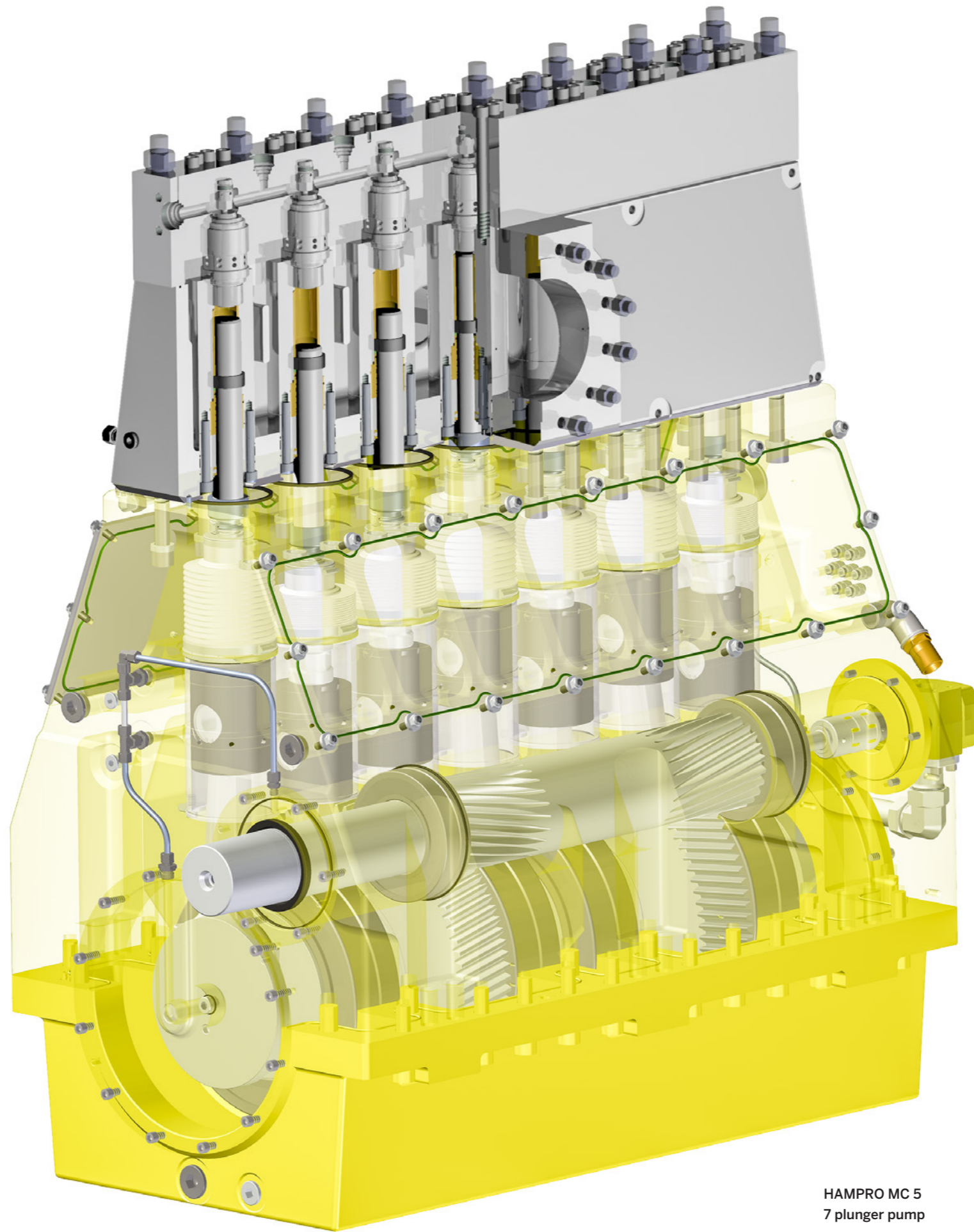


ENERGY EFFICIENT

Standards

ISO 9001 Machine directive 2006/42/EC
ISO 14001 ATEX 94/9/EC
OHSAS 18001 API 674

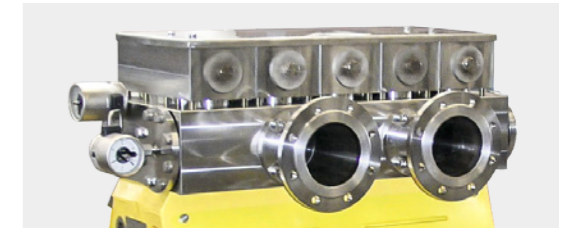
Other customer specified standards



**HAMPRO MC 5
7 plunger pump**

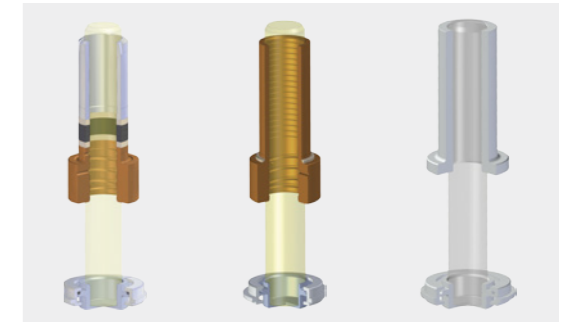
High flow pump head

Pump models HAMPRO 380, 500, 800 and MC with plunger diameters of 90 mm and above are outfitted with high flow pump heads.



Long life sealing systems

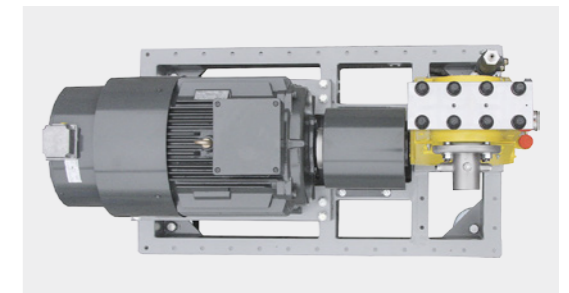
The choice of the high pressure sealing system depends upon the pump's application.



Packed seal Labyrinth seal Tungsten carbide plunger

Minimal footprint

Compact design is the result of integral speed reduction gear end and vertical configuration.



Performance data HAMPRO series

Type	max. bar	max. m³/h	kW
15	2320	4,1	11
25	3500	4,1	15
45	4000	6,1	30
75	4000	8,0	45
125	4000	13,5	90
175	4000	19,5	132
255	4000	32,6	200
385	3000	59	330
505	3000	75	430
805	3000	124	710
MC 5	3000	176	1000

Fluid temperatures: -40 up to +200 °C
Viscosities: up to 2000 mPa s

Chemical pumps



Typical fluids

Acrylic acid	Glucose
Adipoladipinat	Hot water
Amine	Hydrocarbons
Ammonia	Methyl ester
Butane	Pentane
Carbon dioxide	Process water
Crude oil	Propylene
Ester	Vinyl acetate
Fatty acids	Waste water



Pumps for the offshore industry



Typical fluids

Diesel
Ethanol
Glycol
LDHI
Methanol
Crude oil
Scale Inhibitor

Pumps for produced water



Typical fluids

Produced water
Sea water
Salt water

Fluid data

Temperatures: -40 up to +200 °C
Chlorides: up to 300.000 ppm
suitable for H₂S



Pumps for the iron and steel industry



Typical fluids

Water
Hydraulic oil

Processes

Metal powder production
Descaling
Hydrostatic lubrication