



JOHNSON PUMP
AN SPX BRAND



CombiMag / CombiMagBloc

100% leakfree horizontal centrifugal pump according to
ISO 5199 and EN 22858 (ISO 2858 / DIN 24256)

System characteristics

The CombiMag, the leakfree version of the CombiChem, is a part of the CombiSystem, a family of different pump types having a high interchangeability in parts. Therefore it is possible to convert existing CombiChem pumps having a conventional shaft seal to the magnetic coupled version CombiMag. The CombiMagBloc is a close-coupled version of the CombiMag.


The CombiMag/MagBloc, designed to ISO 5199 and EN 22858 (ISO 2858 / DIN 24256), has a high operational reliability, providing long servicing intervals and a long duty life.

Applications

The CombiMag / MagBloc is suitable for handling clean liquids. A slight contamination is permissible, however the impurities must not be abrasive or magnetic.

The CombiMag / CombiMagBloc will be used in the chemical and associated industries for the pumping of corrosive, toxic, inflammable, aggressive, expensive, hazardous, as well as air sensitive fluids.

Pump specifics

- 100% leakfree
- Suitable for a wide range of applications
- Low maintenance costs
- Long life cycle (MTBF - Mean Time Between Failure)
- Interchangeable of Back-Pull-Out units with CombiChem, CombiNorm, CombiPro
- Conversion kit from sealed to leakfree execution possible
- Closed or half-open impeller
- CombiMag bearing bracket bearings oil- or grease lubricated; pump casing with non-sparking emergency bearing
- Optional: pressure and/or temperature sensors
-  ATEX certified applications

Technical data	CombiMag	CombiMagBloc
Max. capacity:	550 m ³ /h	280 m ³ /h
Max delivery head:	160 m	140 m
Max operating pressure:	16 bar (25 bar optional)	
Max liquid temperature:	300°C (350°C optional)	200°C
Max viscosity:	150 mPas	
Slurry:	Maximum 5% weight, size maximum 250 µm	
Solids:	Maximum diameter 0.1 mm, hardness 700 HV	
Max power at 3000 rpm:	75 kW	45 kW
Motor frame size:	IEC 80 - 280S/M	IEC 80 - 112M (B5) IEC 132S/M - 225S/M (B3/B5)
Max torque:	315 Nm	168 Nm

Material

Pump casing	stainless steel, nodular cast iron, cast iron, duplex, Alloy 20, "Hastelloy C [®] ", alloys
Intermediate cover	stainless steel, nodular cast iron, duplex, Alloy 20, "Hastelloy C [®] ", alloys
Impeller	stainless steel, cast iron, bronze, duplex, Alloy 20, "Hastelloy C [®] ", alloys
Impeller shaft	stainless steel, duplex
Containment can	"Hastelloy C4 [®] "
Slide bearings	silicon carbide
Magnets	samarium cobalt
<i>Other materials upon request</i>	

SPX[®]

