

STAINLESS STEEL, **MAGNETIC DRIVE**, CENTRIFUGAL PUMPS



- CAPACITY <450L/MIN
- HEAD <53.1 Metres
- 放 SEALLESS LEAK FREE DESIGN
- 🚧 STAINLESS STEEL BUILD
- 🞾 TOTAL CORROSION RESISTANCE
- CCO UK ASSEMBLEY

Part of the PTCX
Pump RangeImage: Description of the PTCX
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CCO PSJ OVERVIEW

The PSJ series is in form of a semi-jacketed type which is used to maintain process temperature as well as being high efficiency.

High capacity stainless steel magnetic drive pumps, with flow rate up to 450 LPM.

Our PTCX Stainless Steel magnetic drive pumps are manufactured in 316L stainless steel as standard.

CCO SEALLESS LEAK FREE DESIGN

A fully sealless structure design resolves leakage problems, and makes sealless magnetic drive the best choice for transferring hazardous or volatile chemicals

CCO QUICK INSTALLATION & EASY MAINTENANCE

The feature of simple structure requires no special tools to install or to disassemble. Having no mechanical seal saves time on installation and disassembly and will reduce the the frequency for parts replacement and maintenance.



STAINLESS STEEL MAGNETIC DRIVE PUMP

Tel: +44 (0)1425 627700 Email: info@crestpumps.co.uk www.crestpumps.co.uk

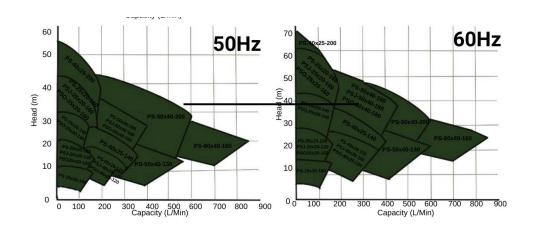
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CCO RANGE CURVES

Performance curve family for the magnetic drive PSJ Series.

CCO INFORMATION

For more specific model curves, general arrangement drawings or exploded views of individual models, please visit **www.crestpumps.co.uk**.



CO TECHNICAL SPECIFICATION

	PSJ								
Frequency	50Hz	60Hz							
Max. Capacity	400L/M	450L/M							
Max. Total Head	36.8m	53.1m							
Suction & Discharge	25 × 20 - 50 × 40								
Temperature Range	-80°C - 280°C								
Specific Gravity	<2								
Viscosity	<300mPa.s (cp)								
Design Pressure	1.0MPaG								
Flange Standard	ANSI Class 150 / JIS 10K / DIN PN16								
Motor Output	0.75KW - 3.7W								
Pump Material	SUS316L (Standard) / Alloy20 (Optional) / HAS -C equivalent (Optional)								





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COO RANGE DIMENSIONS

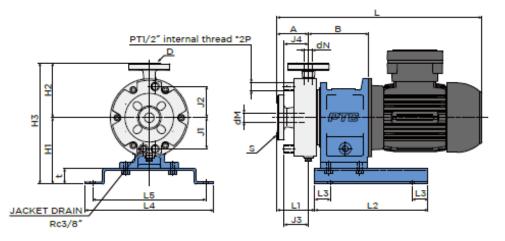
For specific 3D CAD drawings or specific pump dimensions, please contact us at info@crestpumps.co.uk or telephone +44 (0)1425 627700.

NOTE:

1. The total length and weight of the pump will differ depending on

- the brand of the motor.
- 2. All dimensions are in mm.
- 3. Assembly tolerances are +/- 3mm.

Model range is full polypropylene range. Please see our website for more details on cast iron models.



																					Unit	:mm
Motor		Bore				Pump size																
Model	Frame Size	Output (KW)	Suct.		Disch.			в	в н1	H2	H3	L	LI	L2	L3	L4	LS		JI	J2	J3	J4
			dM	S	dN	D	^		•			-			23					32		34
PSJ-25x20-120	80	0.75	25	DNI6	20		80	5 154	170	140	310		81	290	40	330	140	40	80	80	63	63
P3J=23X20=120	905/90L	1.5/2.2	29		20	50 / PN16	80		1/0	140	310			290								05
PSJ-40x25-120	905/90L	1.5/2.2	40		25	SS 1	95	158	190 150	150 340		97	290	40	330	140	40	90	90	63	63	
P-3J=40X23=120	100L/112M	3/4					95	168		150	340	"Notel	9/	320	40	330	120	40	90	50	03	03
PSJ-25x20-160	90S/90L 1.5/2.2	1.5/2.2	25	NSI Cla 10K /	20	₽Ź	85	151	190	160	350	ş.	83	290	40	330	140	40	100	100	63	63
1-22220-100	100L/112M	3/4	29			NSI O	03	161	190	100	330			320	40	330	120		100			03
PSJ-50x40-160	90L	2,2	50	₹ŝ	40	la Ni	85	152	190	170	70 360	、	84	290	40 3	330	140	40	105	105	63	63
P3J=30X40=160	100L/112M	3/4	30				01	162	190	170	300		64	320	40	330	120	40	103	103	03	03

"Note1. Dimension of (L) will differ depending on the brand and installation of the motor

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CCC EXPLODED VIEW

Modular Design Interchangeable Parts Reduce Cost



Front Casing Precision casting method is used to bring a universal flange design for three types of piping connections which are ANSI, JIS, and DIN. Casing Cover Special flow channel and easy disassembly design make easy maintenance. Gasket PTFE Is used as gasket standard material which compatibility is used for most chemicals in the industry.

High precision forging unit is used to improve balance during operation. Shaft rearning design helps inner flow channel for better cooling and improve durability.



Anti-Vortex

Anti-vortex design for rear

casing is to prevent abrasion

caused by impurity substances.



Outer Magnet

Outer magnet surface w anti-corrosion coating is avoid corrosion caused external environmental inf ences.



Main Material SUS316L Is provided for better corrosion resistance. Alloy20 and Hastelloy-C equivalent are also provided for optional selection.



Precision casting method is used to bring one-plece design of structure without welding which improves durability and better corro-

sion resistance.



Bearing Thrust ring Sleeve

Parts are made with SIC meterial which provides low friction with minimum wear and excellent chemical corrosion resistance.



Inner Magnet

High-performance rear earth magnet is used to provide for the inner magnet, temperature use range from minus 80 degree to 280 degree Celsius.

Rear Casing

One-plece design of rear casing is of excellent pressure and corrosion resistance. Coupling type material provide SUS316L, additionally an optional Hastelloy-C equivalent material to reduce the magnetic loss and improve the operation efficiency.



Baseplate Adapter

Two-plece design for baseplat adapter can be customized adjusted according to the in: tion height on site. The instal of motor is designed for star IEC motor frames and closed pled design requires no special nor shaft alignment.



For more specific model curves, general arrangement drawings or exploded views of individual models, please visit **www.crestpumps.co.uk**.

If you need 3D CAD models of the range, please contact one of our team and we will arrange for a copy to be sent to you by email.

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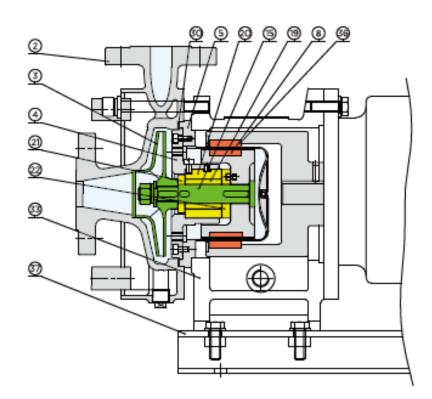
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COO PARTS LIST & MATERIAL CONSTRUCTION



MATERIAL CODE	PARTS NAME	MATERIAL
2	FRONT CASING	SUS316L
3	IMPELLER	SUS316L
4	CASING COVER	SUS316L
5	REAR CASING	SUS316L
8	INNER MAGNET	SUS316L + RARE EARTH
15	SHAFT	SUS316L
19	SLEEVE	SiC
20	BEARING	SiC
21	THRUST RING (A)	SiC
22	THRUST RING (B)	SiC
30	GASKET	PTFE
33	FRAME ADAPTER	FC25
36	OUTER MAGNET	SS400 + RARE EARTH
37	BASEPLATE	SS400

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