

 **PUMP
&
VALVE** 
SPECIALTIES

PTCXPUMP
from Pump & Valve Specialties NZ



www.pumpandvalve.com

0800 786 774



- **CAPACITY <81L/MIN**
- **HEAD <30M**
- **SEALLESS LEAK FREE DESIGN**
- **STAINLESS STEEL BUILD**
- **TOTAL CORROSION RESISTANCE**
- **UK ASSEMBLY**

PM RANGE

The PM series is the smallest of our stainless steel mag drive range and is ideal for OEM and laboratory applications. Operating temperature can be handled from -80°C to 280°C and flow rate up to 81L/minute.

TECHNICAL SPECIFICATION

	PM	
Frequency	50Hz	60Hz
Max. Capacity	81L/M	81L/M
Max. Total Head	22m	30m
Suction & Discharge	15 x 13 - 25 x 20	
Temperature Range	-80°C - 280°C	
Specific Gravity	<2	
Viscosity	<100mPa.s (cp)	
Design Pressure	0.6MPaG (*PM2021:1.0MPaG*)	
Flange Standard	R Thread Type	
Motor Output	90W - 550W	
Pump Material	SUS316L (Standard) / Alloy20 (Optional) / HAS-C equivalent (Optional)	



- **CAPACITY <850L/MIN**
- **HEAD <68M**
- **SEALLESS LEAK FREE DESIGN**
- **STAINLESS STEEL BUILD**
- **TOTAL CORROSION RESISTANCE**
- **UK ASSEMBLY**

PS RANGE

The PS series is a medium capacity stainless steel mag drive pump commonly used for chemical fluid transfer in general processes. Operating temperatures from -80°C to 280°C and flow rate up to 850L/minute.

TECHNICAL SPECIFICATION

	PS	
Frequency	50Hz	60Hz
Max. Capacity	850L/M	850L/M
Max. Total Head	55.7m	68m
Suction & Discharge	25 x 20 - 80 x 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 - 7.5KW	
Pump Material	SUS316L (Standard) / Alloy20 (Optional) / HAS-C equivalent (Optional)	



- **CAPACITY <2001L/MIN**
- **HEAD <132M**
- **SEALLESS LEAK FREE DESIGN**
- **STAINLESS STEEL BUILD**
- **TOTAL CORROSION RESISTANCE**
- **UK ASSEMBLY**

PL RANGE

The PL series is the largest capacity series with power up to 18.5Kw, which can be used to process large flow and higher head.

The sealless design resolves leakage problems making it the best choice for transferring hazardous or volatile chemicals.

TECHNICAL SPECIFICATION

	PL	
Frequency	50Hz	60Hz
Max. Capacity	1904L/M	2001L/M
Max. Total Head	91.3m	132m
Suction & Discharge	40 x 25 - 100 x 80	
Temperature Range	-80°C - 280°C	
Specific Gravity	<2	
Viscosity	<300mPa.s (cp)	
Design Pressure	1.2MPaG (*PL-50X25-250LF:1.6MPaG*)	
Flange Standard	ANSI Class 150 / JIS 10K / DIN PN16	
Motor Output	5.5KW - 18.5KW	
Pump Material	SUS316L (Standard) / Alloy20 (Optional) / HAS-C equivalent (Optional)	



- **CAPACITY <53L/MIN**
- **HEAD <108M**
- **SEALLESS LEAK FREE DESIGN**
- **STAINLESS STEEL BUILD**
- **TOTAL CORROSION**
- **RESISTANCE UK ASSEMBLY**

PW RANGE

The PW series is a medium capacity pump with peripheral impeller for low flow and high head applications. The structural design is quieter than conventional mechanical seal pumps. Featuring a low heat-up during minimum flow operation and can be used in reverse operation without any issues.

TECHNICAL SPECIFICATION

	PW	
Frequency	50Hz	60Hz
Max. Capacity	49L/M	53L/M
Max. Total Head	78m	108m
Suction & Discharge	15 x 15 - 25 x 25	
Temperature Range	-80°C - 280°C	
Specific Gravity	<2	
Viscosity	<300mPa.s (cp)	
Design Pressure	1.6MPaG	
Flange Standard	ANSI Class 150 / JIS 10K / DIN PN16	
Motor Output	0.75KW - 3.7KW	
Pump Material	SUS316L (Standard) / Alloy20 (Optional) / HAS-C equivalent (Optional)	



- **CAPACITY <450L/MIN**
- **HEAD <53.1M**
- **SEALLESS LEAK FREE DESIGN**
- **STAINLESS STEEL BUILD**
- **TOTAL CORROSION**
- **RESISTANCE UK ASSEMBLY**

PSJ RANGE

The PSJ series is a semi jacketed pump, designed to maintain process temperature in delicate applications. High efficiency with flow rates up to 450 l/m.

TECHNICAL SPECIFICATION

	PSJ	
Frequency	50Hz	60Hz
Max. Capacity	400L/M	450L/M
Max. Total Head	36.8m	53.1m
Suction & Discharge	25 x 20 - 50 x 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 - 3.7KW	
Pump Material	SUS316L (Standard) / Alloy20 (Optional) / HAS-C equivalent (Optional)	



- **CAPACITY <450L/MIN**
- **HEAD <61.3M**
- **SEALLESS LEAK FREE DESIGN**
- **STAINLESS STEEL BUILD**
- **TOTAL CORROSION**
- **RESISTANCE UK ASSEMBLY**

PSO RANGE

The PSO series features an open impeller and is designed for chemical transfer of fluids with solids. Low NPSHr and flow rates up to 450 l/m.

TECHNICAL SPECIFICATION

	PSO	
Frequency	50Hz	60Hz
Max. Capacity	400L/M	450L/M
Max. Total Head	42.7m	61.3m
Suction & Discharge	25 x 20 - 50 x 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 - 3.7KW	
Pump Material	SUS316L (Standard) / Alloy20 (Optional) / HAS-C equivalent (Optional)	



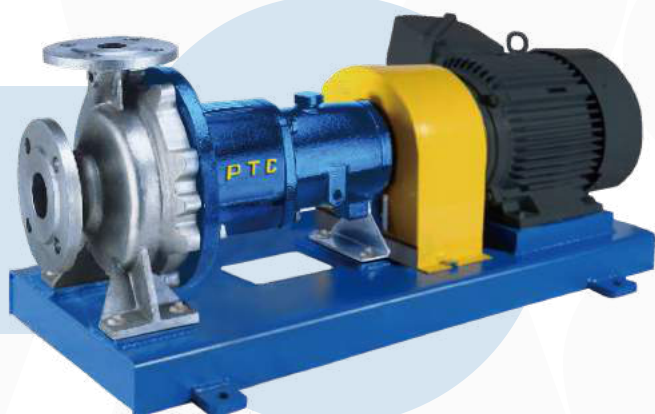
- **CAPACITY <500L/MIN**
- **HEAD <121M**
- **SEALLESS LEAK FREE DESIGN**
- **STAINLESS STEEL BUILD**
- **TOTAL CORROSION**
- **RESISTANCE UK ASSEMBLY**

PL2 RANGE

The PL2 series is a multistage pump ideal for high head and flow applications, with a flow rate up to 500L/M.

TECHNICAL SPECIFICATION

	PL2	
Frequency	50Hz	60Hz
Max. Capacity	500L/M	500L/M
Max. Total Head	85m	121m
Suction & Discharge	50 x 25	
Temperature Range	-80°C - 280°C	
Specific Gravity	<2	
Viscosity	<300mPa.s (cp)	
Design Pressure	1.6MPaG	
Flange Standard	ANSI Class 150 / JIS 10K / DIN PN16	
Motor Output	11KW - 18.5KW	
Pump Material	SUS316L (Standard) / Alloy20 (Optional) / HAS-C equivalent (Optional)	



- **CAPACITY <3200L/MIN**
- **HEAD <220M**
- **SEALLESS LEAK FREE DESIGN**
- **STAINLESS STEEL BUILD**
- **TOTAL CORROSION RESISTANCE**
- **UK ASSEMBLY**

PC RANGE

The PC series is a high capacity, long coupled pump designed to ISO2858 standards. Flow rate up to 3200 l/m and motor power up to 110kW.

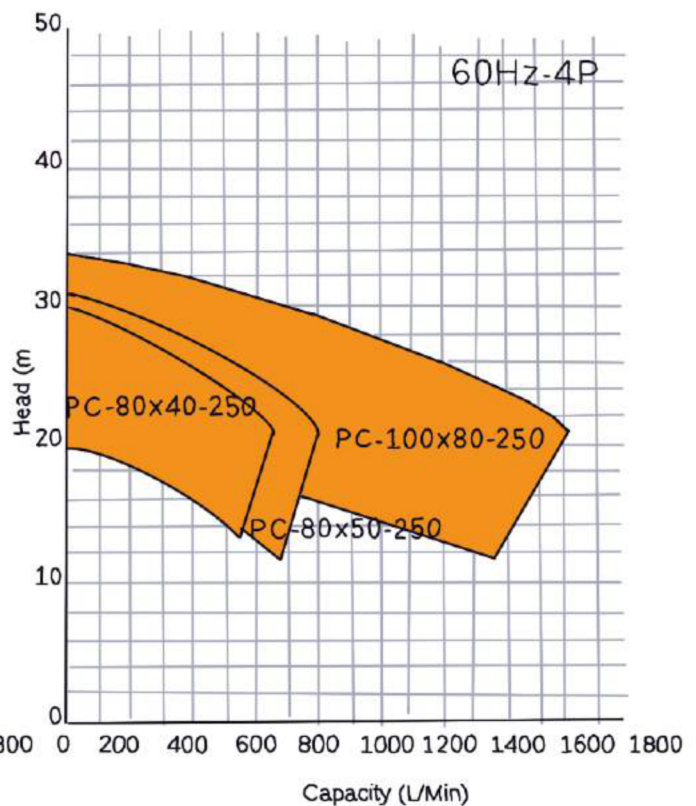
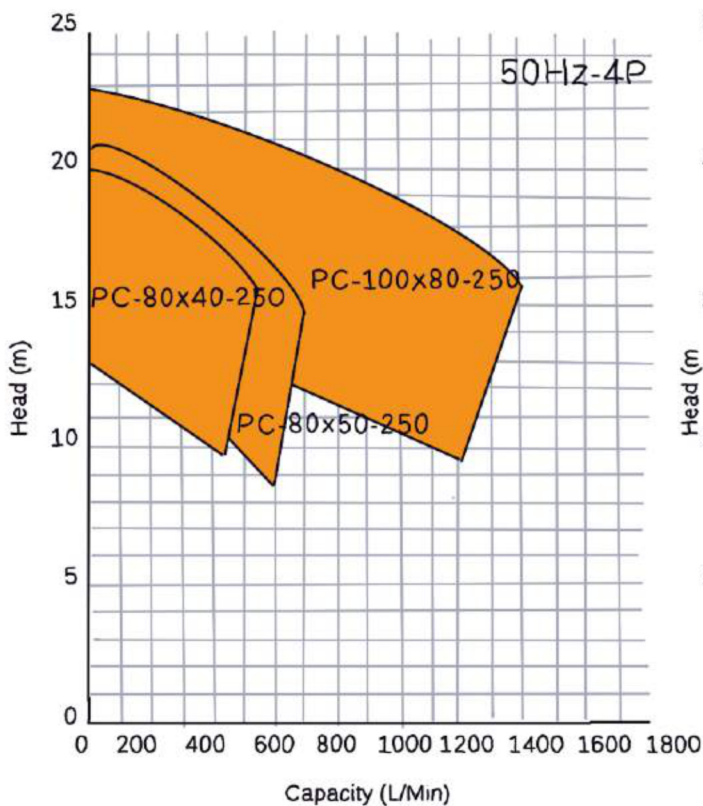
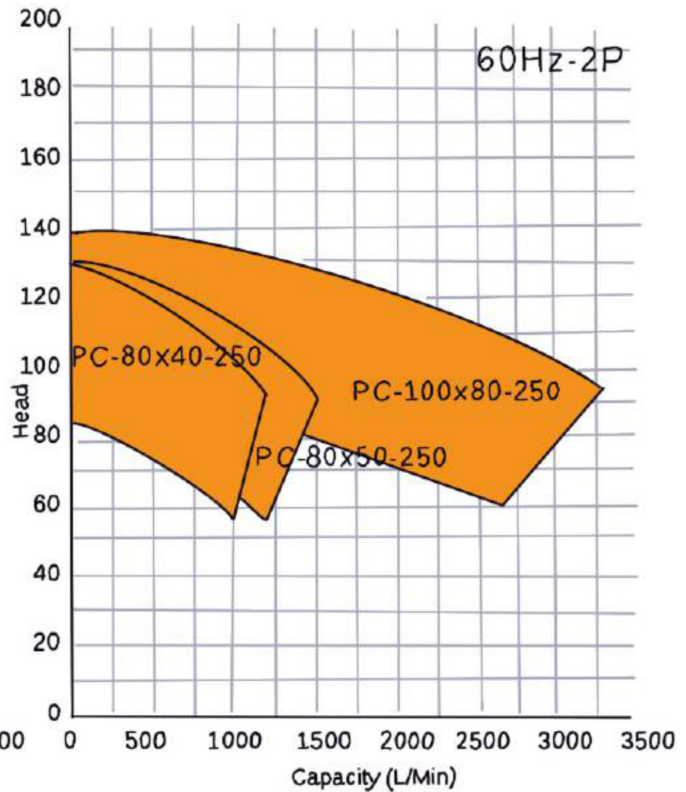
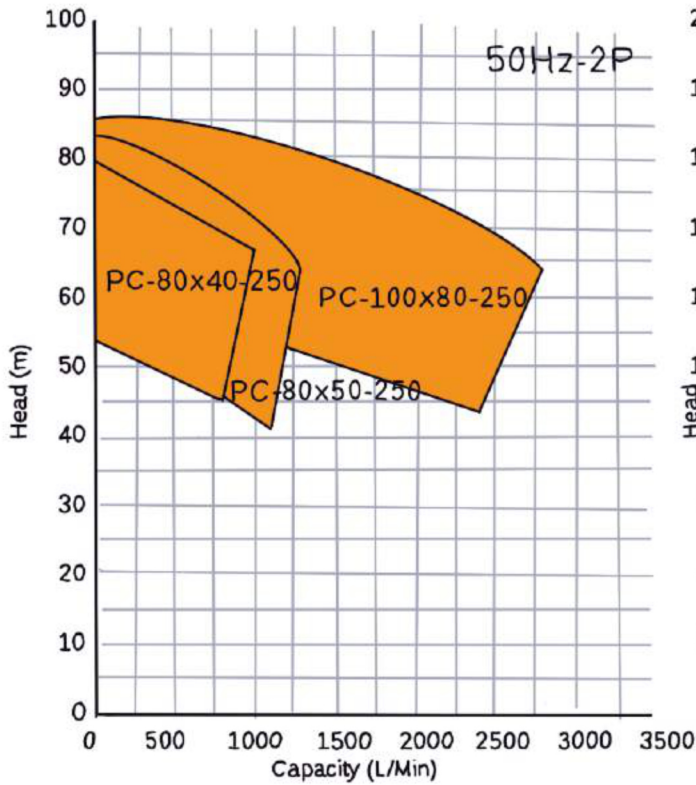
Manufactured in 316L Stainless Steel as standard, with a fully sealless design to eliminate leakage problems, making it an ideal choice for transferring hazardous or volatile chemicals.

TECHNICAL SPECIFICATION

	PC			
Frequency	50Hz (2P)	50Hz (4P)	60Hz (2P)	60Hz (4P)
Max. Capacity	2800L/M	1400L/M	3200L/M	1600L/M
Max. Total Head	87m	23m	220m	34m
Suction & Discharge	80 x 40 - 100 x 80			
Temperature Range	-80°C - 280°C			
Specific Gravity	<2			
Viscosity	<300mPa.s (cp)			
Design Pressure	1.6MPaG			
Flange Standard	ANSI Class 150 / JIS 10K / DIN PN16			
Motor Output	22KW - 75KW	3.7KW - 11KW	45KW - 110KW	5.5KW - 15KW
Pump Material	SUS316L (Standard) / Alloy20 (Optional) / HAS-C equivalent (Optional)			

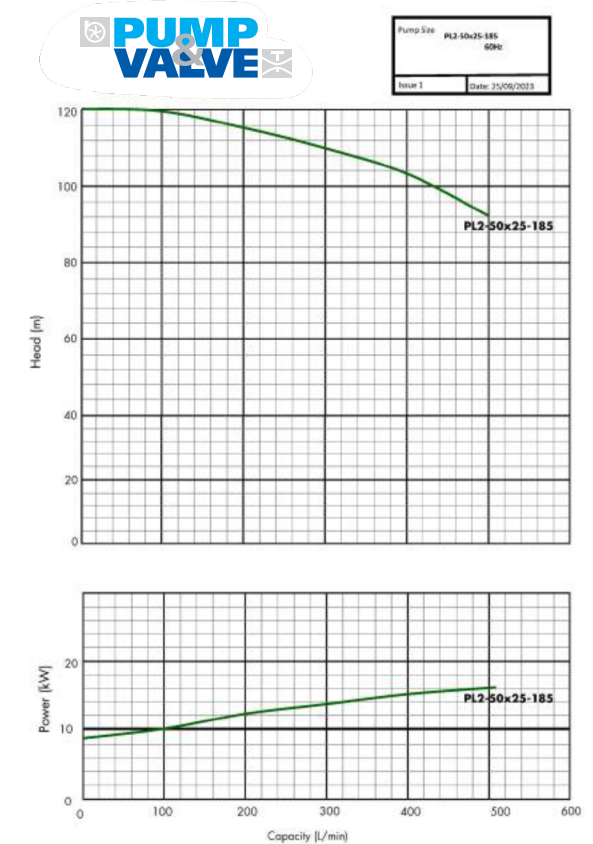
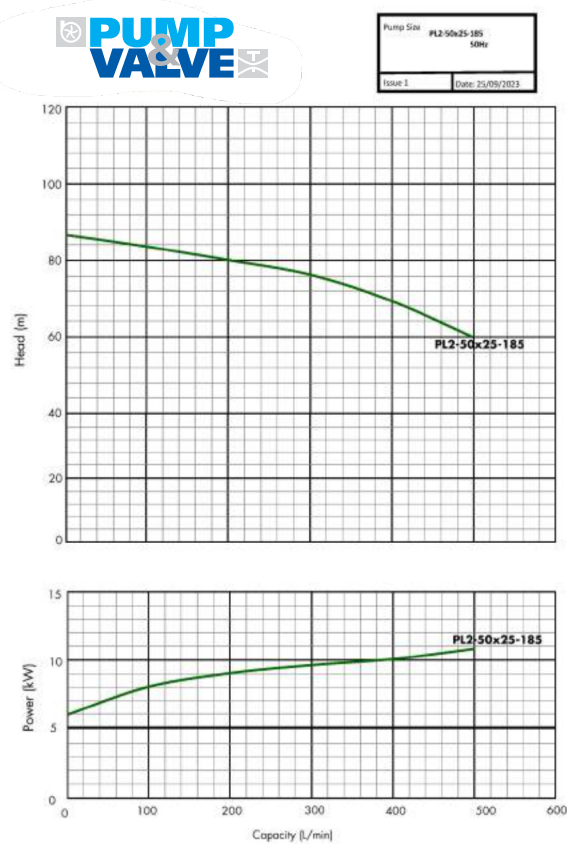
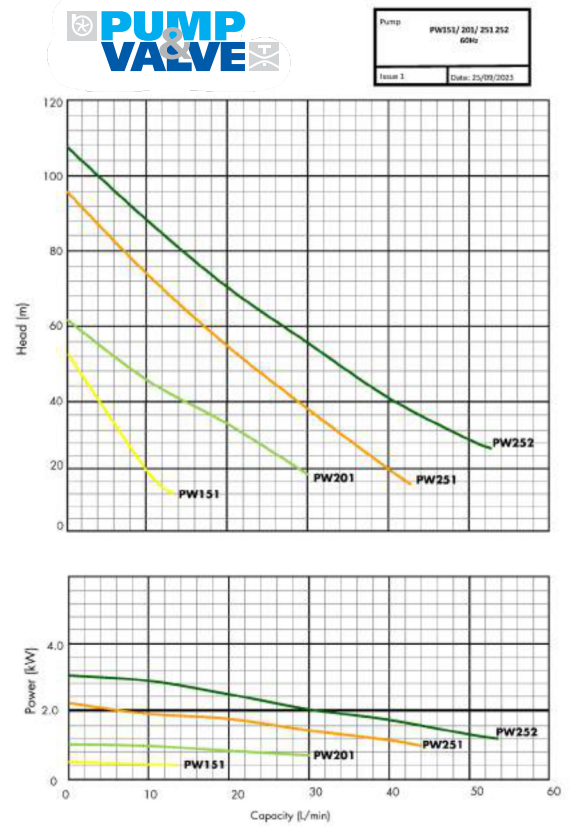
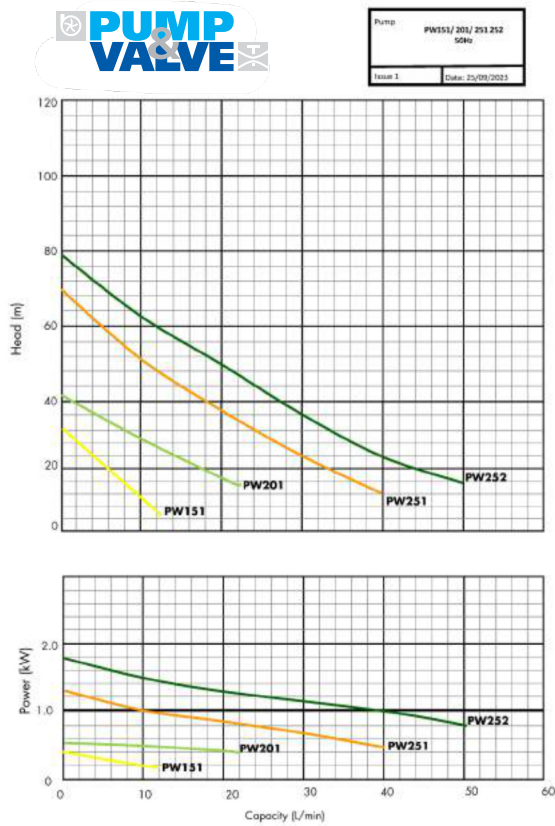
PUMP RANGE CURVES

PUMP CURVES FOR THE PTCXPUMP STAINLESS STEEL MAGNETIC DRIVE PUMP
RANGES PM, PS, PL, PW, PSJ, PSO, PL2 AND PC.



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