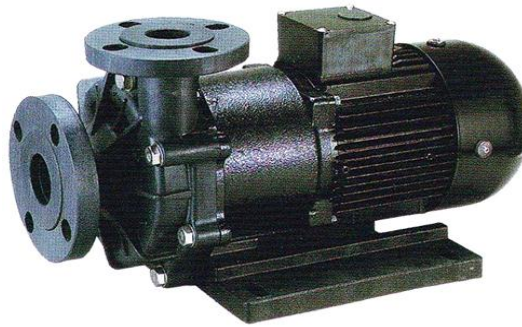


ปั๊มน้ำยาเคมี Sanso PMD (Magnet pump Series) [For chemical and sea water สำหรับเคมีและน้ำทะเล] International protection(IP44) High Power Type



* ปั๊มน้ำยาเคมีและสูบน้ำทะเล Sanso “ชั้นโซ” PMD Magnet pump series High power แบบ International protection (IP44) กำลังมอเตอร์ไม่ต่ำกว่า 1.5 kw.



PMD-37013B

PMD-15013A·B

PMD-22013A·B

■Features of new models

- Efficiency About 35% improved
- Electric power costs About 20% can be reduced
- Noise About less 5dB than conventional models
- Vibration About 50% less than conventional models
- Small and light About 10% lighter than conventional models

■Application การใช้งานโดยทั่วไป

- Circulation of sea water
- Culture tank and water tank
- Waste water treatment equipment
- Drain chemical liquid
- Aquarium equipment
- PCB equipment
- Solar heating system
- Filter
- Bubble bath
- Etching equipment
- Photo development equipment
- Transfer of chemical liquid
- Cooling of NC machine
- Ice maker etc.

■Characteristics

- Magnet type
- Totally enclosed indoor type motor
- Corrosion resistance performance
- Small size and excellent performance

■Features

- Long life
- Complete liquid leakage free
- Excellent corrosion resistance
- Varieties of models

■Materials for pump parts

Part name	For chemical liquids and sea water
Casing	Poly-Propylene with glass fiber
Back casing	Poly-Propylene with glass fiber
Impeller	Poly-Propylene with glass fiber
Pump shaft	Ceramic
Thrust washer	Ceramic
Bearing	Teflon
O-ring	FKM (Fluoro rubber)

Excellent characteristics

◆Shaft

- Endurance of shaft is much improved because of being supported from both sides.
- Shaft can be changed individually.
- SIC with excellent endurance is available, if required.

◆Back casing

- Special structure of rear casing and structure of impeller for preventing the air retention is excellent against the air lock.
- Endurance of rear casing is much improved, because carbon fiber is used for reinforcing the rear casing.

◆Exclusive motor (with terminal box)

- This pump can be used in the chemical environment, because reinforced plastics is used for terminal box.
- Wiring works are easy, because terminal box is equipped at the upside of pump.
- Oil seal is used against gas and liquid leakage to prevent the motor corrosion.

Lifetime is much improved.

◆Impeller and magnet

- Strong rare earth magnet is used for over 1.5Kw.
- Problem in high temperature and reverse rotation can be prevented, because impeller and magnet is coupled.
- Efficiency is improved because of special impeller.

◆Loose flange

- Loose flange is used to be adjusted to the opposite side.

Sanso PMD (Magnet pump Series High power) for chemical and hot water Specifications

Model	Diameter	Maximum		Rated Flow Rate	Motor			Weight
		Flow Rate	Head		Rated Output	Power Consumpti	Voltage	
		L/min	m	m-L/min	kw	kw	V	kg
PMD-15013 (50Hz)	50Ax40A	430	26	15-320	1.5	1.7	200	27
PMD-15013 (60Hz)	50Ax40A	420	26	20-310	1.5	1.6	200	27
PMD-22013 (50Hz)	50Ax40A	480	30	20-320	1.9	2.2	200	29
PMD-22013 (60Hz)	50Ax40A	470	32	20-320	1.9	2.2	200	29
PMD-37013 (60Hz)	50Ax40A	550	39	25-410	3	3.7	200	52

Note

1. PMD-37013 (50Hz) is not available.
2. Voltage can be adjusted to customer's requirement.

Sanso PMD (Magnet pump Series High power) Performance Curve

