

Automatic intermittent gear pump

AMO-II-150S

Automatic intermittent gear pump without controller. Capable of working with a wide range of oil viscosities.



[1.8ℓ]



[3ℓ]

HOW to order

AMO-II-150S-□-□-□-□

Voltage

1	AC100Vφ1
2	AC200Vφ1

Pressure Switch

Blank	Blank (With Pressure Switch)
P	Blank (Without Pressure Switch)

Reservoir Mounting Position

Blank	Resin
F	Foot Mount
B	Wall Mount

※Metalreservoir only

Reservoir capacity

Blank	1.8ℓResin reservoirs
3	3ℓResin reservoirs
30	3ℓMetal reservoirs
40	4ℓMetal reservoirs
80	8ℓMetal reservoirs

※Pump is installed on the right side, if a metal reservoir is selected.

Directions for use

- This pump unit requires a separate control circuit to operate.
- Do not remove the oil strainer to keep the pump clear of foreign matter.
- Replace or clean the suction filter at least once a year.
- Oil viscosity varies with oil temperature. Be sure to use oil within the working viscosity range.
- Do not use any special additive-contained oil, water soluble oil and solvent.
- Periodically check the oil in the reservoir for impurities. Replace it, if necessary, with fresh oil immediately. Be sure to clean the reservoir before oil change.
- Make sure that proper voltage is applied.
- Do not over tighten the discharge joint. Refer to the tightening torque table.
- Low-oil viscosity versions are available. Contact us for information.

Specifications

Pump	Discharge volume	150ml/ min (50Hz), 180ml/ min (60Hz)
	Discharge pressure	2.0Mpa(15kgf/cm ²) 284psi
Motor	Voltage / current	AC100V φ 1/0.83A, AC200V φ 1/0.41A (50Hz) AC100V φ 1/0.64A, AC200V φ 1/0.33A (60Hz)
	Output	20W (50Hz/ 60Hz) Condenser Motor
Emergency detection	Oil level switch	Contact type A contact (NO) ON at low level Contact capacity 0.5A AC DC200V/30W smaller
	Pressure switch	Contact type A contact (NC) Operating pressure: 1.7MPa OFF Reset pressure: 0.9MPa ON Contact capacity AC DC250V/3A
Discharge time	Max. Discharge time:99sec Min. Interval time:1min	
Working viscosity range	68~1800mm ² /S (50Hz)	
Reservoir capacity	1.8ℓ, 3ℓ (plastic) 3ℓ, 4ℓ, 8ℓ (sheet metal)	
Weight	1.8ℓ Reservoirs: 3.2kg 3ℓ Reservoirs: 4kg(plastic)	

※ Should the pump malfunction, contact us for immediate response with substitution.

● Related parts



MO2(C) Metering valve : P.105



JVPA Junction : P.106



MO Metering valve : P.107



PV Junction : P.108



MOS Metering valve : P.109



PVS Junction : P.109



MIX - MIX-A Metering valve : P.113



F-3D Filter : P.159



Pressure gauge : P.162



Tubing : P.171



Compression parts : P.169



Adapters : P.175



Reservoirs : P.148