

Automatic intermittent gear pump

AMR-III DS

Capable of operating over a wide range of working viscosity. Digital display gives on sight visual indication of operation. Interval can be a function of time or count.



[1.8 L Reservoir type]



[3 L Reservoir type]

HOW to order

AMR III DS - [] - [] - []

Voltage

1	AC100Vφ1
2	AC200Vφ1

Reservoir Mounting Portion

Blank	Resin
F	Foot Mount
B	Wall Mount

※Metalreservoir only

Reservoir capacity

Blank	1.8L Resin reservoirs
3	3L Resin reservoirs
30	3L Metal reservoirs
40	4L Metal reservoirs
80	8L Metal reservoirs

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

Directions for use

- 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. Click here to view the service list.
- Oil viscosity varies with oil temperature. Be sure to use oil within specified 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 and pressure are proper.
- Do not over tighten the discharge joint.
Refer to the tightening torque table.

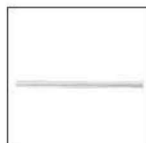
● Related parts



Flow unit
: P.129



PJ junction
: P.141



Tubing
: P.171



Pressure gauge
: P.162



Filter
FX-1 : P.159



Filter
FY-20 : P.159



Pressure switch
: P.163



Compression parts
: P.169



Adapters
: P.175



Reservoir
: P.146

Specifications

Pump	Discharge volume	150ml/min (50Hz) 180ml/min (60Hz)	
	Discharge pressure	0.8MPa (safety valve set pressure)	
Motor	Power	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) Capacitor motor	
Controller	Timer counter	Discharge time adjustable range: 1~99 seconds (2.5~247.5ml) 50Hz, (3~297ml) 60Hz	
		Interval time adjustable range: 1 to 9999 minutes 1 to 9999 counts	
	Emergency output	Contact type A contact (NO)	
		Contact capacity AC250V 1.5A	
	Emergency detection	Oil level switch	Contact type A contact (NO) ON at low level
Pressure switch		Contact type A contact (NO) ON at low pressure	
Liquid crystal display	INTERVAL	display 'INT'	
		DISCHARGE display 'DIS'	
	ALARM	When oil side decreases, display 'OILLEVEL ERR' When pressure is abnormal, display 'PRESSURE ERR'	
Working viscosity range	68~1300mm ² /S(50Hz)		
Reservoir capacity	1.8L, 3L (plastic) 3L, 4L, 8L (sheet metal)		
Weight	1.8L Reservoirs: 3.2kg, 3L Reservoirs: 4kg		

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