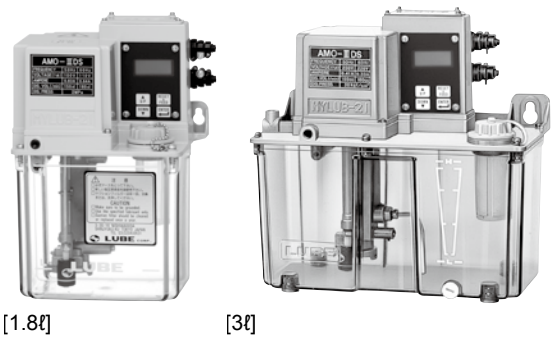
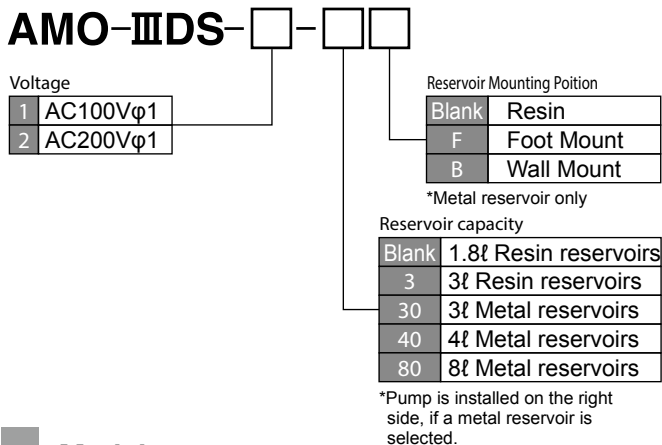


Automatic intermittent gear AMO-III DS

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



Model Reference



Model

Model	Part Number
AMO-III DS-1	285301
AMO-III DS-1-3	285303
AMO-III DS-2	285302
AMO-III DS-2-3	285304

Low viscosity oil pump (On the page of AMO-IIIDSL)

No	Model	Part No.	Voltage	Tank capacity	Working viscosity range
1	AMO-IIIDSL-1	285331	100V	1.8L	10 ~ 1800mm ² /S
2	AMO-IIIDSL-2	285332	200V	1.8L	10 ~ 1800mm ² /S
3	AMO-IIIDSL-2	285333	100V	3.0L	10 ~ 1800mm ² /S
4	AMO-IIIDSL-2	285334	200V	3.0L	10 ~ 1800mm ² /S

Directions for use

- Do not remove the oil fill strainer in order to keep the pump clear of foreign matter.
- Replace the suction filter at least once a year.
- Oil viscosity varies with oil temperature. Be sure to use oil within the working viscosity range. Refer to the viscosity table. (P.237)
- Do not use any special additive-contained oil, water soluble oil, or solvent.

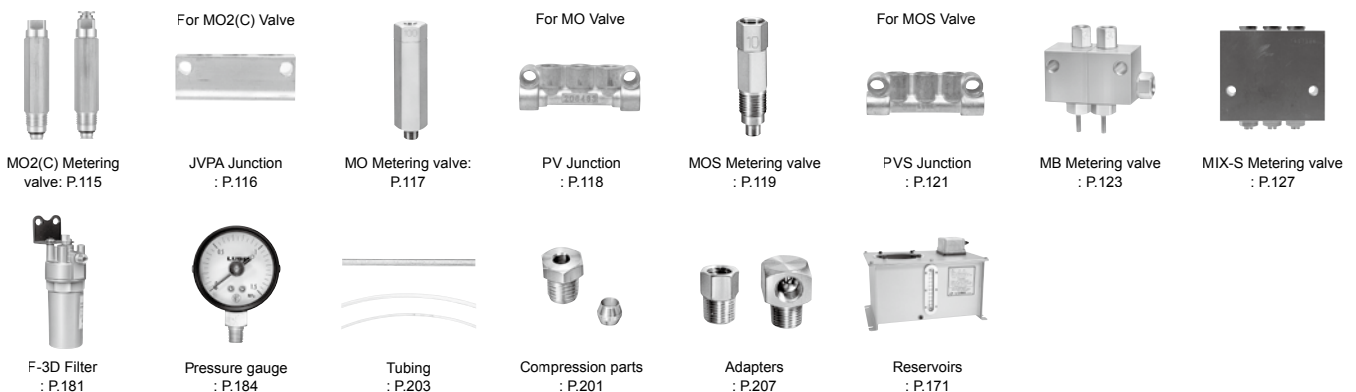
Specifications

Pump	Dis-charge volume	150ml/min (50Hz), 180ml/min (60Hz)
	Dis-charge pressure	2.0MPa/284psi (safety valve setting)
Motor	Power	AC100Vφ1/0.83A, AC200Vφ10.41A (50Hz) AC100Vφ1/0.64A, AC200Vφ1/0.33A (60Hz)
	Output	20W (50Hz/ 60Hz) Capacitor motor
Controller	Timer Counter	Discharge time adjustable range: 1-99 seconds Interval time adjustable range: 1 to 9999 minutes 1 to 9999 counts
	Emergency output	Contact type (NO) Contact capacity AC250V 1.5A
	Emergency detection	Oil level switch Contact type (NO) ON at low level Pressure switch Contact type (NC) Operating pressure: 1.7MPa OFF Reset pressure: 0.9MPa ON
	Liquid crystal display	INTER-VAL display: 'INT' DISCHARGE display: 'DIS' ALARM Low oil level: 'OILLEVEL ERR' Low pressure: 'PRESSURE ERR'
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	

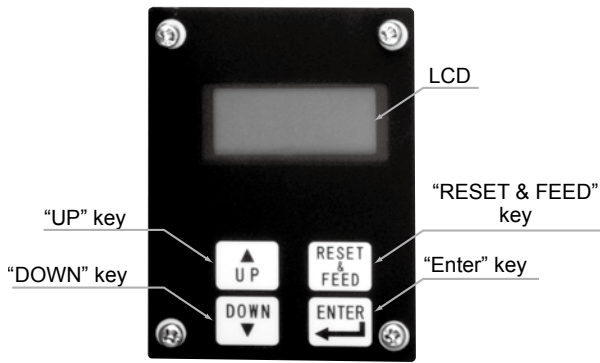
- Periodically check the oil in the reservoir for impurities. Replace it, if necessary, with fresh oil immediately. Be sure to clean the reservoir before replacing oil.
- Make sure that proper voltage is applied.
- Do not over tighten the discharge joint.
- Refer to the torque table. (P. 251)
- Low-oil viscosity versions are available. Contact us for information.

* Should the pump malfunction, contact LUBE for consultation.

Related parts



Exterior features of the controller

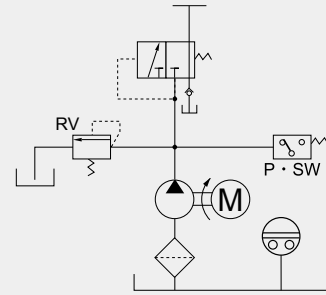


Operation panel of the controller

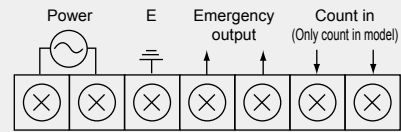
LCD shows the below:

INTERVAL → INT
 DISCHARGE → DIS
 ALARM → Low oil level OILLEVEL ERR
 Low pressure PRESSURE ERR

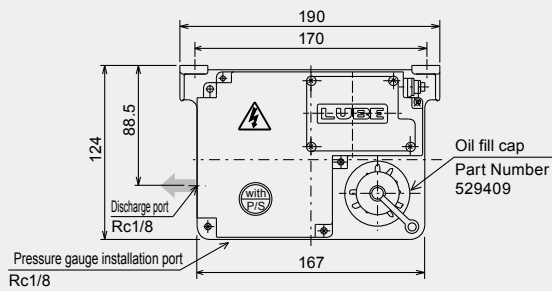
Hydraulic circuit drawing



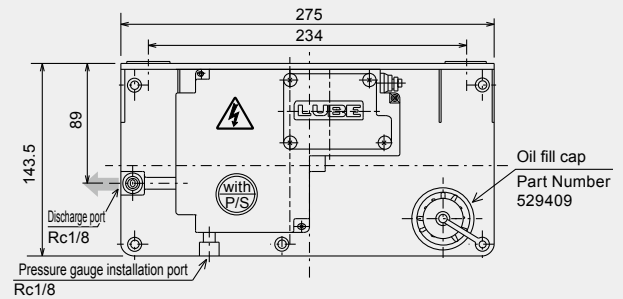
Wiring diagram



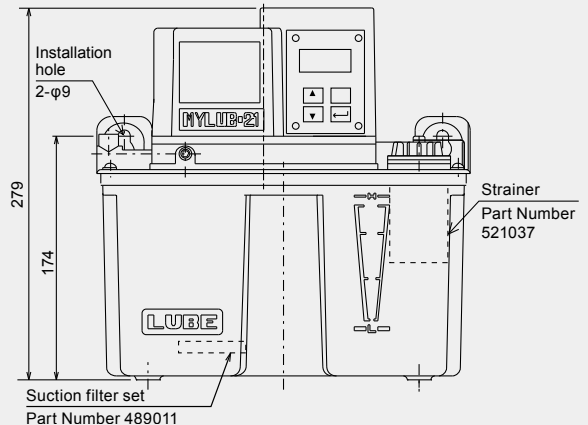
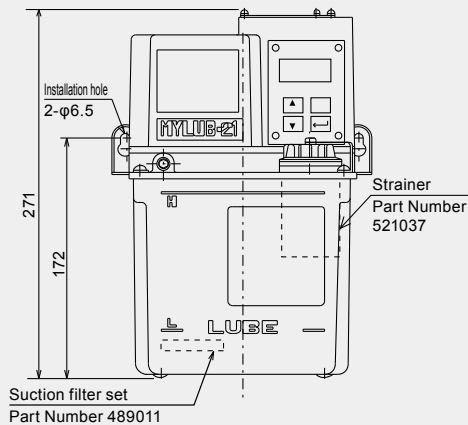
Dimensional drawing



[1.8]



[3]



Parts for connecting to the discharge port



⚠ Improper handling can result in a death or serious injury

⚡ Electrical shock may be received under certain conditions



Be sure to ground.