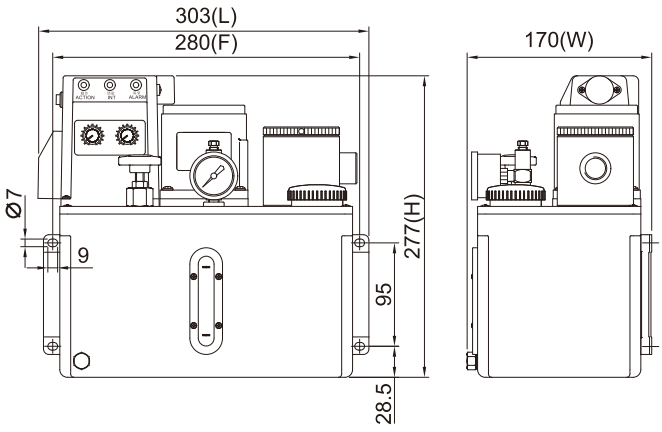
CEF Type Circulating Electric Lubricator

CHEN YING

CEF-05 Standard



CEF-05 Type Standard Externals

◆Features

1.CEF is a circulating type lubricator which means the oil flows out from the discharge outlet into the oil pipes to the lubricating points then continues flowing back into the oil tank through the cyclic inlet. The cyclic inlet has a magnetic filter which can prevent the impurities from getting into the oil tank in order to assure the oil clean.
2.The timer controls the operation and interval time. The electronic box has Action, Interval and Alarm indicators.
3.It has a circulation button that can restart the circulation cycle manually according to the operation and interval time settings.
4.After installing the CEF type lubricator and connecting the oil pipes, press the feed-oil button till the oil flows out to exhaust the air, then the lubricator is ready to use.
5.It has a high quality alloy steel gear pump and induction motor pump that not only can provide steady output pressure and low noise, but also can assure the oil reaches each lubricating point. It is suitable for applying in the large machineries' demands.
6.It has a pressure-regulating valve and pressure gauge that an operator can adjust the pressure and check the pressure easily.
7.It has a float switch that can detect the oil level. It sends continuous signals automatically when the oil level is lower than the minimum.

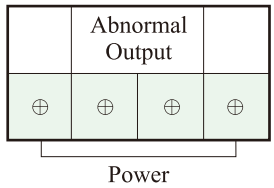
◆Application of Machines Equipment

1.The circulating type electric lubricator that is designed to circulate the oil for reuse; therefore, it can save the usage of oil during the lubrication.
2.The circulating type lubricator can provide efficient cooling, lubrication and filtration that can reduce wear of the lubricating parts. It is suitable for the machines that require large discharge volume.

Model	Act Time	Interval Time	Motor	Max Volume	Max Pressure	1Ø Voltage	Ampere	Hertz	Discharge Bore	Cyclic Inlet	Oil Viscosity
CEF	3sec-3min	1-60min 1-180min 1-360min	25W	250 cc/min	15kgf/cm^2	110V 220V	0.6A 0.3A	50/60Hz	Ø4 or Ø6	1/2" or 3/4" (inch)	32-68cSt@40℃
			60W	500 cc/min	30kgf/cm^2	110V 220V	1.2A 0.6A				

Model	Tank Code	Tank Material	Capacity Liters	Fixed Hole Distance(mm)	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
CEF (25W)	05	Aluminum	4L	95 x 280	303	170	277	7.50
	08	Iron	8L	95 x 338	355	200	297	10.10
	12	Iron	12L	95 x 478	495	225	277	12.40
Model	Tank Code	Tank Material	Capacity Liters	Fixed Hole Distance(mm)	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
CEF (60W)	08	Iron	8L	95 x 338	355	200	334	11.15
	12	Iron	12L	95 x 478	495	225	312	13.45

CEF Single Phase Wiring Diagram



◆Order Code：

CE F 05 060 C 25 3 A ※

Model：
Circulating Type
F：Controlled by Timer

Tank Capacity (Material)
05：4L（Aluminum）
08：8L（Iron）
12：12L（Iron）
20：20L（Iron）
30：30L（Iron）
36：36L（Iron）
40：40L（Iron）
60：60L（Iron）
64：64L（Iron）
77：77L（Iron）

Interval
060：60min
180：180min
360：360min

Voltage
A：110V
C：220V

Motor
25：25W
60：60W
90：90W

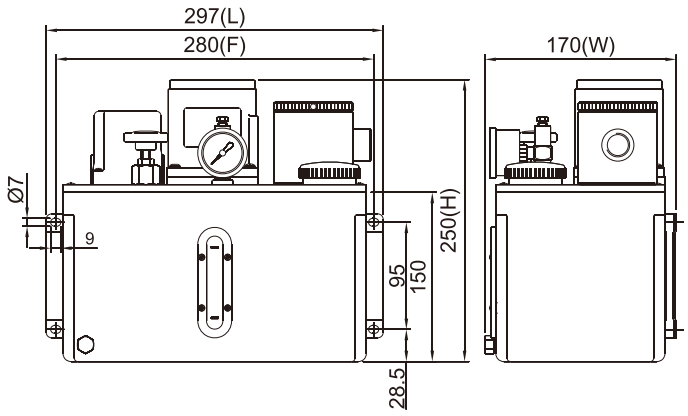
Discharge Bore
0：Ø4
1：Ø6
2：Ø4（With Pressure Gauge）
3：Ø6（With Pressure Gauge）

Cyclic Inlet
A：1/2"
B：3/4"

Special Request
※60：8L above metal tank could be assembled with 60W motor.
※90：8L above metal tank could be assembled with 90W motor.

CEH Type Circulating Electric Lubricator PLC

CEH-05 Standard



CEH-05 Type Standard Externals

◆Features

1.CEH is a circulating type lubricator which means the oil flows out from the discharge outlet into the oil pipes to the lubricating points then continues flowing back into the oil tank through the cyclic inlet. The cyclic inlet has a magnetic filter which can prevent the impurities from getting into the oil tank in order to assure the oil clean.
2.CEH type is without the timer that could be also controlled by the Programmable Logic Controller (PLC).
3.After installing the CEH type lubricator and connecting the oil pipes, let the lubricator continue running til the oil fulfils the oil pipes and the oil flows out to exhaust the air, then the lubricator is ready to use.
4.It has a high quality alloy steel pump that not only can provide steady output pressure and low noise, but also can assure the oil reaches each lubricating point. It is suitable for applying in the large machineries' demands.
5.It has a pressure-regulating valve and pressure gauge that an operator can adjust the pressure and check the pressure easily.
6.It has a float switch that can detect the oil level. It sends continuous signals automatically when the oil level is lower than the minimum. The standard specification is NC contact and NO contact is available on request.

◆Application of Machines Equipment

1.The circulating type electric lubricator that is designed to circulate the oil for reuse; therefore, it can save the usage of oil during the lubrication.
2.The circulating type lubricator can provide efficient cooling, lubrication and filtration that can reduce wear of the lubricating parts. It is suitable for the machines that require large discharge volume.

Model	Motor	Max Volume	Max Pressure	Voltage	Ampere	Hertz	Discharge Bore	Cyclic Inlet	Oil Viscosity
CEH	25W	250 cc/min	15kgf/cm^2	110V 220V 3Ø Optional	0.6A 0.3A 0.3A	50/60Hz	Ø4 or Ø6	1/2" or 3/4" (inch)	32-68cSt@40℃
	60W	600 cc/min	30kgf/cm^2	110V 220V 3Ø Optional	1.2A 0.6A 0.6A				

Model	Tank Code	Tank Material	Capacity Liters	Fixed Hole Distance(mm)	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
CEH (25W)	05	Aluminum	4L	95 x 280	297	170	250	7.25
	08	Iron	8L	95 x 338	355	200	270	10.30
	12	Iron	12L	95 x 478	495	225	250	12.60
Model	Tank Code	Tank Material	Capacity Liters	Fixed Hole Distance(mm)	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
CEH (60W)	08	Iron	8L	95 x 338	355	200	334	11.35
	12	Iron	12L	95 x 478	495	225	312	13.65

CEH Single Phase Wiring Diagram

Power		Float Switch	
⊕	⊕	⊕	⊕

CEH Three Phase Wiring Diagram

Connect Three Power Wires			Float Switch	
⊕	⊕	⊕	⊕	⊕

While connecting wires, please make sure that the motor rotates anticlockwisely (see the red spot of spindle). If the motor rotate clockwise, please change positions of two power wires, then try again.

◆Order Code：

CE H 05 C 25 3 A ※

Model：
Circulating Type
H:Controlled by PLC

Tank Capacity (Material)
05：4L（Aluminum）
08：8L（Iron）
12：12L（Iron）
20：20L（Iron）
30：30L（Iron）
36：36L（Iron）
40：40L（Iron）
60：60L（Iron）
64：64L（Iron）
77：77L（Iron）

Voltage
A：1Ø110V
C：1Ø220V
D：3Ø220/380V
E：3Ø220/440V
F：3Ø208/415V
G：3Ø230/460V
H：3Ø240/480V
M：3Ø220V
N：3Ø380V
X：Special Voltage

Motor
25：25W
60：60W
90：90W

Discharge Bore
0：Ø4
1：Ø6
2：Ø4（With Pressure Gauge）
3：Ø6（With Pressure Gauge）

Cyclic Inlet
A：1/2"
B：3/4"

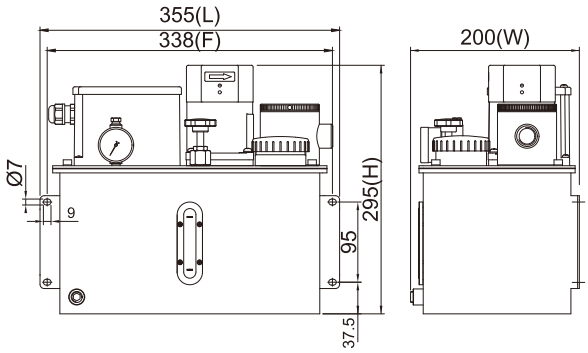
Special Request
60：8L above metal tank could be assembled with 60W motor.
90：8L above metal tank could be assembled with 90W motor.

CEU Type Circulating Electric Lubricator

PLC

CHEN YING

CEU-08 Standard



CEU-08 Type Standard Externals

◆Features

1.CEU is a circulating type lubricator which means the oil flows out from the discharge outlet into the oil pipes to the lubricating points then continues flowing back into the oil tank through the cyclic inlet. The cyclic inlet has a magnetic filter which can prevent the impurities from getting into the oil tank in order to assure the oil clean.

2.CEU type is without the timer that could be also controlled by the Programmable Logic Controller (PLC).

3.After installing the CEU type lubricator and connecting the oil pipes, let the lubricator continue running til the oil fulfils the oil pipes and the oil flows out to exhaust the air, then the lubricator is ready to use.

4.It has a high quality alloy steel pump that not only can provide steady output pressure and low noise, but also can assure the oil reaches each lubricating point. It is suitable for applying in the large machineries' demands.

5.It has a pressure switch device that set up as 1kg/cm² to assure the oil would be delivered to each lubricating point. It also can detect the pressure of pipes in order to check if there is leaking occurred. The standard specification is NC (Normal Close) contact. NO (Normal Open) contact is available on request.

6.It has a pressure-regulating valve and pressure gauge that an operator can adjust the pressure and check the pressure easily.

7.It has a float switch that can detect the oil level. It sends continuous signals automatically when the oil level is lower than the minimum.

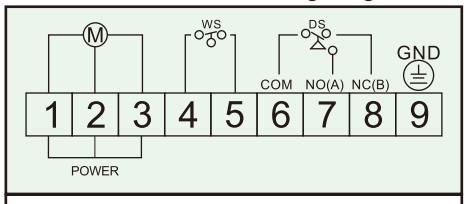
8.A power indicator light can be added on request.

◆Application of Machines Equipment

1.The circulating type electric lubricator that is designed to circulate the oil for reuse; therefore, it can save the usage of oil during the lubrication.

2.The circulating type lubricator can provide efficient cooling, lubrication and filtration that can reduce wear of the lubricating parts. It is suitable for the machines that require large discharge volume.

CEU Three Phase Wiring Diagram



M：Motor
DS：Pressure Switch
WS：Float Switch
GND：Ground
POWER：POWER

Model	Motor	Max Volume	Max Pressure	Voltage	Ampere	Hertz	Discharge Bore	Cyclic Inlet	Oil Viscosity
CEU	25W	250 cc/min	15kgf/cm²	1Ø 110V 1Ø 220V 3Ø Optional	0.6A 0.3A 0.3A	50/60Hz	Ø4 or Ø6	1/2" or 3/4"	32-68cSt@40℃
	60W	600 cc/min	30kgf/cm²	1Ø 110V 1Ø 220V 3Ø Optional	1.2A 0.6A 0.6A				

Model	Tank Code	Tank Material	Capacity Liters	Fixed Hole Distance(mm)	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
CEU (25W)	08	Iron	8L	95 x 338	355	200	295	12.25
	20	Iron	20L	410,200	446	267	371	17.80
	64	Iron	64L	450,300	560	441	506	43.00
Model	Tank Code	Tank Material	Capacity Liters	Fixed Hole Distance(mm)	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
CEU (60W)	08	Iron	8L	95 x 338	355	200	334	13.30
	20	Iron	20L	410,200	446	267	437	18.90
	64	Iron	64L	450,300	560	480	572	44.05

CEU (No Pressure Switch Type)
Single Phase Wiring Diagram

Power		Float Switch	
⊕	⊕	⊕	⊕

◆Order Code：

CE U 08 C 25 3 A ※

Model：
Circulating Type
U：Controlled by PLC, Pressure Switch is added

Tank Capacity (Material)
08：8L （Iron）
12：12L（Iron）
20：20L（Iron）
30：30L（Iron）
36：36L（Iron）
40：40L（Iron）
60：60L（Iron）
64：64L（Iron）
77：77L（Iron）

Voltage
A：110V
C：220V
D：3Ø220/380V
E：3Ø220V/440V
F：3Ø208/415V
G：3Ø230/460V
H：3Ø240/480V
M：3Ø220V
N：3Ø380V
X：Special Voltage

Motor
25：25W
60：60W
90：90W

Discharge Bore
0：Ø4
1：Ø6
2：Ø4（With Pressure Gauge）
3：Ø6（With Pressure Gauge）

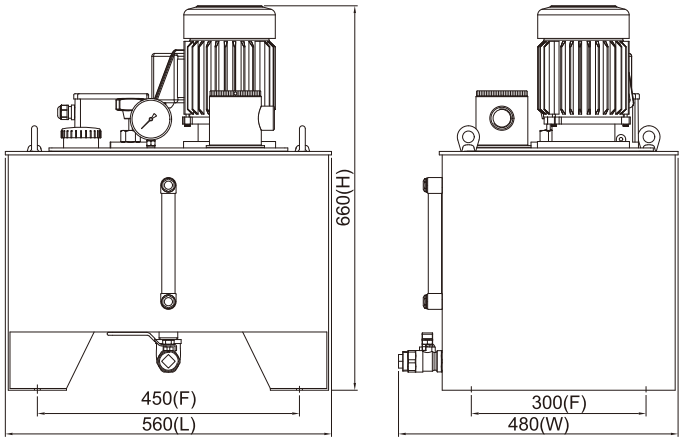
Cyclic Inlet
A：1/2"
B：3/4"

Special Request
L：Add a Power Indicator Light

Only 8L above metal tank could be assembled with 60W or 90W motor.

CLS Type Circulating Electric Lubricator

CLS-30-64 Standard



CLS-30-64 Type Standard Externals

◆Features

1.There are 3 types of flow rate available, CLS-10, CLS-30 and CLS-50. Please refer to the specification chart for details.
2.CLS is a circulating type lubricator which means the oil flows out from the discharge outlet into the oil pipes to the lubricating points then continues flowing back into the oil tank through the cyclic inlet. The cyclic inlet has a magnetic filter which can prevent the impurities from getting into the oil tank in order to assure the oil clean.
3.After installing and connecting the discharge outlet with piping, make sure the oil pipes are fulfilled with oil before starting a new circulating lubrication cycle.
4.It has a high quality alloy steel pump that not only can provide steady output pressure and low noise, but also can assure the oil reaches each lubricating point. It is suitable for applying in the large machineries' demands.
5.It has a pressure switch that can detect the pressure of pipes in order to check if there is leaking occurred. The standard specification is NC contact and NO contact is available on request.
6.It has a pressure-regulating valve that an operator can adjust the pressure and check the pressure easily.
7.It has a float switch that can detect the oil level. It sends continuous signals automatically when the oil level is lower than the minimum.
8.The standard specification is assembled with 1/2HP motor but 1HP motor is available upon request.
9.The standard specification of cyclic inlet is 1” but 3/4” is also available upon request.
10.A buzzer can be added on request. It alarms when the oil level is lower the minimum.

◆Application of Machines Equipment

CLS type lubricator can provide efficient cooling, lubrication and filtration that can reduce wear of the lubricating parts. It is suitable for the machines that require large discharge volume and a cooler to reduce the oil temperature.

Modlel	Motor	Max Volume	Max Pressure	Voltage	Pole	Discharge Bore	Cyclic Inlet	Oil Viscosity
CLS-10	1/2HP	1.5L/min	15kgf/cm^2	1Ø 110V 1Ø 220V 3Ø Optional	4	PT1/4	¾″ 1″	32-68cSt@40℃
CLS-30	or	3.0L/min						
CLS-50	1HP	4.5L/min						

Model	Tank Code	Tank Material	Capacity Liters	Fixed Hole Distance(mm)	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
CLS-10	36	Iron	36L	300,315	410	353	660	46.3
CLS-30	64	Iron	64L	450,300	560	480	660	52.5
CLS-50	77	Iron	77L	500,300	610	480	690	75.5

◆Order Code：

CLS—10 | 30 | D | 2 | 3 | C | ※

Model：Circulating Type
10：Volume 1.5L/min
30：Volume 3.0L/min
50：Volume 4.5L/min

Tank Capacity (Material)
30：30L（Iron）
36：36L（Iron）
40：40L（Iron）
60：60L（Iron）
64：64L（Iron）
77：77L（Iron）
100：100L（Iron）
130：130L（Iron）
150：150L（Iron）
204：204L（Iron）

Voltage
A：1Ø 110V,60Hz
B：1Ø 220V,50Hz
C：1Ø 220V,60Hz
D：3Ø 220/380V
E：3Ø 220/440V
F：3Ø 208/415V
G：3Ø 230/460V
H：3Ø 240/480V
X：Special Voltage

Motor
2：1/2HP
4：1HP

Discharge Bore PT1/4
2：Ø4(With PG)
3：Ø6(With PG)
* PG: Pressure Gauge

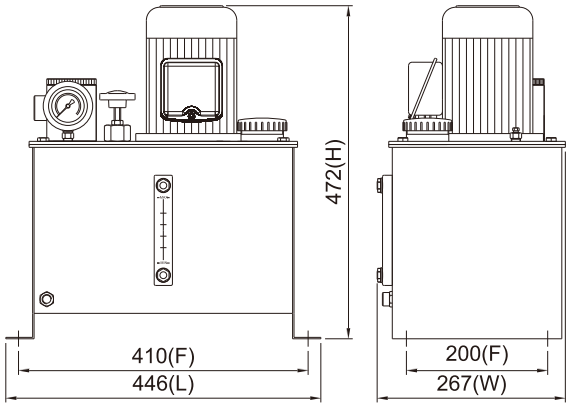
Cyclic Inlet
B：3/4 "
C：1 "

Special Request
※100L and above tank capacity is on request.

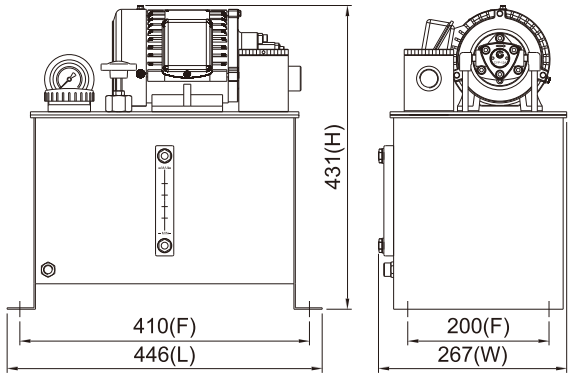
CLSA, CLSB Type Circulating Electric Lubricator

CLSA-20

CLSB-20



CLSA-20 Type Standard Externals



CLSB-20 Type Standard Externals

◆Features

1.The standard specification is assembled with a CYP-10A rotary oil pump that the flow rate is 1.1~1.4L/min. Other flow rates are available upon the request. Please refer the specification for details.

2.CLSA Type is assembled with a 1/4HP Vertical motor and CLSB Type is assembled with a 1/4HP Horizontal Motor.

3.The circulating type lubricator which means the oil flows out from the discharge outlet into the oil pipes to the lubricating points then continues flowing back into the oil tank through the cyclic inlet. The cyclic inlet has a magnetic filter which can prevent the impurities from getting into the oil tank in order to assure the oil clean.

4.After installing and connecting the discharge outlet with piping, make sure the oil pipes are fulfilled with oil before starting a new circulating lubrication cycle.

5.It has a high quality rotary oil pump that not only can provide steady output pressure and low noise, but also can assure the oil reaches each lubricating point. It is suitable for applying in the large machineries' demands.

6.It has a pressure-regulating valve which can adjust the pressure and check the pressure easily from the pressure gauge.

7.It has a float switch that can detect the oil level. It sends continuous signals automatically when the oil level is lower than the minimum.

8.The standard specification of cyclic inlet is 3/4” but 1/2” is also available upon the request.

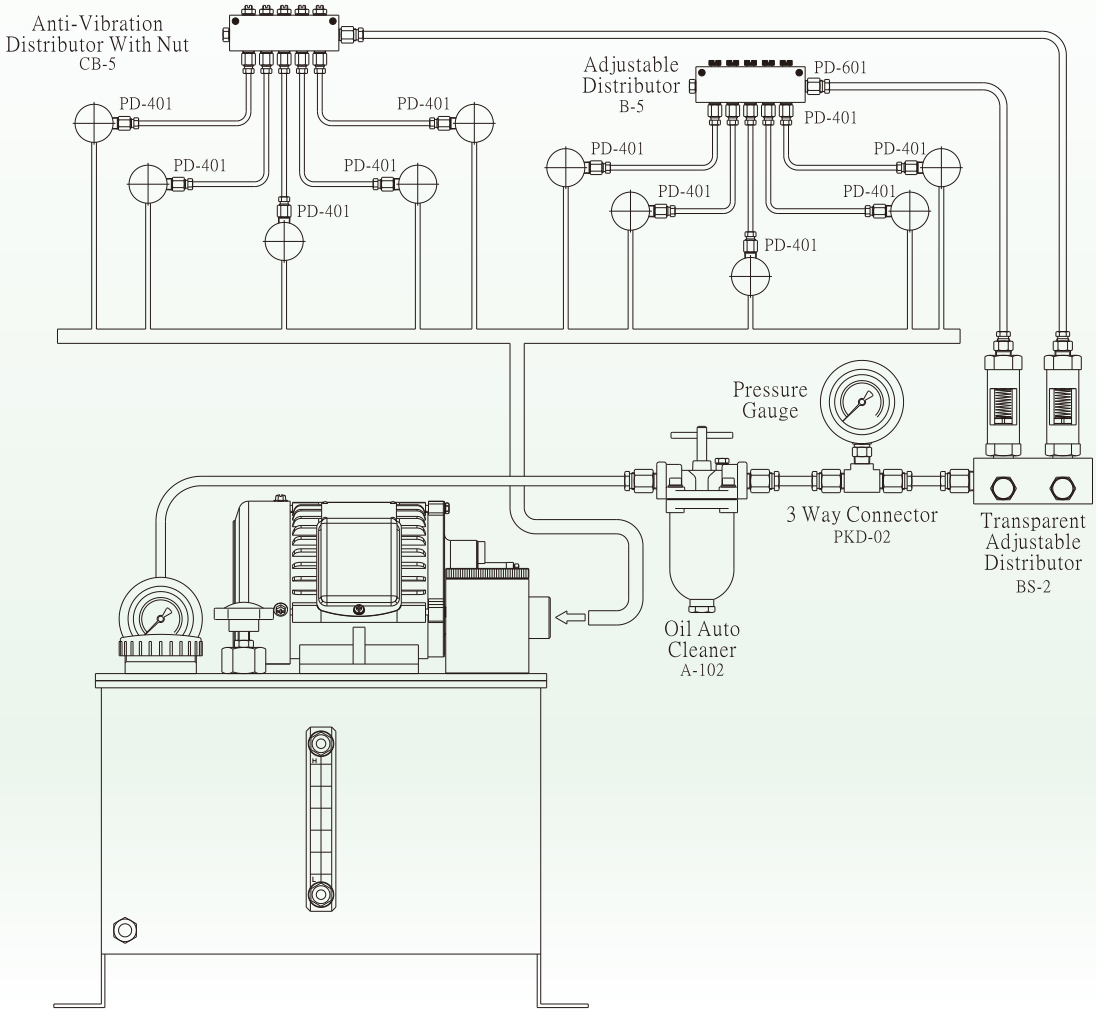
9.A buzzer can be added on request. It alarms when the oil level is lower the minimum.

◆Application of Machines Equipment

1.CLSA and CLSB are suitable for the machines that require operating at high speed and large discharge volume.

2.The circulating type lubricator can provide efficient cooling, lubrication and filtration that can reduce wear of the lubricating parts. It is suitable for the machines that require large discharge volume.

CLSA, CLSB Type Circulating Electric Lubricator



The Piping of CLSB-20L Type Circulating Lubrication System

Model	Motor	Rotary Oil Pump	Max Volume	Max Pressure	Voltage	Pole	Discharge Bore	Cyclic Inlet (inch)	Oil Viscosity
CLSA CLSB	1/4HP	CYP-10A	1.1～1.4	5kgf/cm^2	1Ø 110V 1Ø 220V 3Ø Optional	4	PT1/4	½″ ¾″	32-68cSt@40℃
		CYP-11A	2.2～2.7						
		CYP-12A	3.7～4.5						
		CYP-13A	6.5～7.9						

Model	Tank Code	Tank Material	Capacity Liters	Fixed Hole Distance (mm)	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
CLSA	20	Iron	20L	410,200	446	267	472	26.7
	36	Iron	36L	300,215	410	353	607	38.8
	64	Iron	64L	450,300	560	480	607	52.2
Model	Tank Code	Tank Material	Capacity Liters	Fixed Hole Distance (mm)	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
CLSB	20	Iron	20L	410,200	446	267	431	26.7
	36	Iron	36L	300,215	410	353	566	38.8
	64	Iron	64L	450,300	560	480	566	52.2

◆Order Code：

CLS B 20 10 D 1 3 B ※

Model：

Circulating Type
A：Vertical Motor
B：Horizontal Motor

Tank Capacity (Material)

20：20L（Iron）
30：30L（Iron）
36：36L（Iron）
40：40L（Iron）
60：60L（Iron）
64：64L（Iron）
77：77L（Iron）
100：100L（Iron）
130：130L（Iron）
150：150L（Iron）
204：204L（Iron）

Rotary Oil Pump

10：CYP-10A
11：CYP-11A
12：CYP-12A
13：CYP-13A

Voltage

A：1Ø 110V,60Hz
B：1Ø 220V,50Hz
C：1Ø 220V,60Hz
D：3Ø 220/380V
E：3Ø 220/440V
F：3Ø 208/415V
G：3Ø 230/460V
H：3Ø 240/480V
X：Special Voltage

Motor

1：1/4HP

Discharge Bore

PT1/4
2: Ø4 W/Pressure Gauge
3: Ø6 W/Pressure Gauge

Cyclic Inlet

A：1/2 "
B：3/4 "

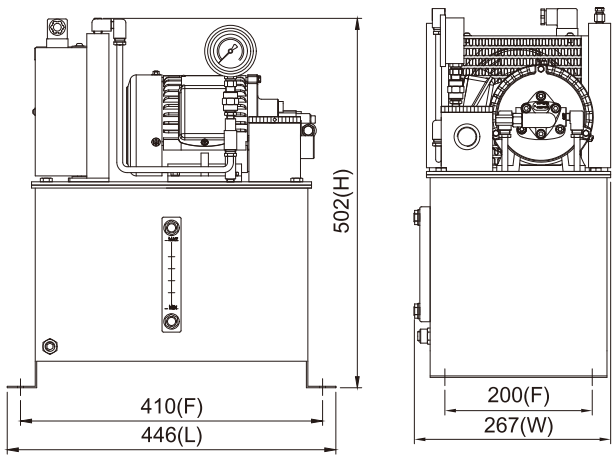
Special Request

B：Add a Buzzer

CLST-1/4 Type Cooling Circulating Electric Lubricator

CHEN YING

CLST-20 Standard



CLST-20 Type Standards Externals

◆Features

1.This unit equips with a cooler and a fan that has better cooling effect. The standard specification is assembled with a CYP-10A rotary oil pump that the flow rate is 1.1~1.4L/min. Other flow rates are available upon request. Please refer to the specification for details.

2.The circulating type lubricator which means the oil flows out from the discharge outlet into the oil pipes to the lubricating points then continues flowing back into the oil tank through the cyclic inlet. The cyclic inlet has a magnetic filter which can prevent the impurities from getting into the oil tank in order to assure the oil clean.

3.After installing and connecting the discharge outlet with piping, make sure the oil pipes are fulfilled with oil before starting a new circulating lubrication cycle.

4.It has a high quality alloy steel pump that not only can provide steady output pressure and low noise, but also can assure the oil reaches each lubricating point. It is suitable for applying in the large machineries' demands.

5.It has a pressure-regulating valve which can adjust the pressure and check the pressure easily from the pressure gauge.

6.It has a float switch that can detect the oil level. It sends continuous signals automatically when the oil level is lower than the minimum.

7.The max pressure of CLST is 5kg/cm². The temperature of oil will be room temperature plus 10℃ after passing through the cooler.

◆Application of Machines Equipment

1.The circulating type lubricator can provide efficient cooling, lubrication and filtration that can reduce wear of the lubricating parts. It is suitable for the machines that require large discharge volume.

Modlel	Motor	Rotary Pump	Max Volume	Max Pressure	Voltage	Pole	Discharge Bore	Cyclic Inlet	Oil Viscosity
CLST	1/4HP	CYP-10A	1.1～1.4	5kgf/cm²	1Ø 110V 1Ø 220V 3Ø Optional	4	PT3/8	1/2" or 3/4"	32-68cSt@40℃
		CYP-11A	2.2～2.7						
		CYP-12A	3.7～4.5						
		CYP-13A	6.5～7.9						

Model	Tank Code	Tank Material	Capacity Liters	Fixed Hole Distance(mm)	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
CLST	20	Iron	20L	410,200	446	267	502	29.5
	36	Iron	36L	300,215	410	353	637	41.5
	64	Iron	64L	450,300	560	480	637	54.4

◆ Order Code：

CLS T 20 10 D 1 3 B ※

- **Model：Cooling Circulating Type** — T：With Oil Tank
- **Tank Capacity Liters** — 20： 20L（Iron）; 30： 30L（Iron）; 36： 36L（Iron）; 40： 40L（Iron）; 60： 60L（Iron）; 64： 64L（Iron）; 77： 77L（Iron）; 100：100L（Iron）; 130：130L（Iron）; 150：150L（Iron）; 204：204L（Iron）
- **Rotary Oil Pump** — 10：CYP-10A; 11：CYP-11A; 12：CYP-12A; 13：CYP-13A
- **Voltage** — A：1Ø 110V,60Hz; B：1Ø 220V,50Hz; C：1Ø 220V,60Hz; D：3Ø 220/380V; E：3Ø 220/440V; F：3Ø 208/415V; G：3Ø 230/460V; H：3Ø 240/480V; X：Special Voltage
- **HP** — 1：1/4HP
- **Discharge Bore PT3/8** — 2: Ø4 W/Pressure Gauge; 3: Ø6 W/Pressure Gauge
- **Cyclic Inlet** — A：1/2 "; B：3/4 "
- **Special Request**