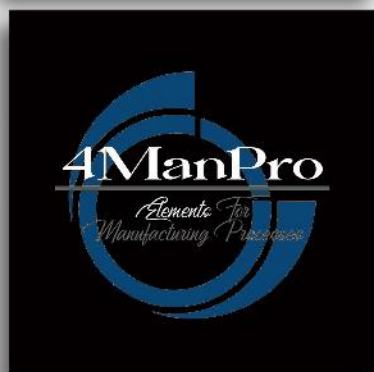


4ManPro

Elements For Manufacturing Processes

CATALOG



TAIWAN
EXCELLENCE 2020



VOL. 3

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ISH TOP SERIES SM TOP SERIES

TOP OIL
FEEDING
PUMP

ISH TOP-11A SM TOP-11A

TOP OIL FEEDING PUMP



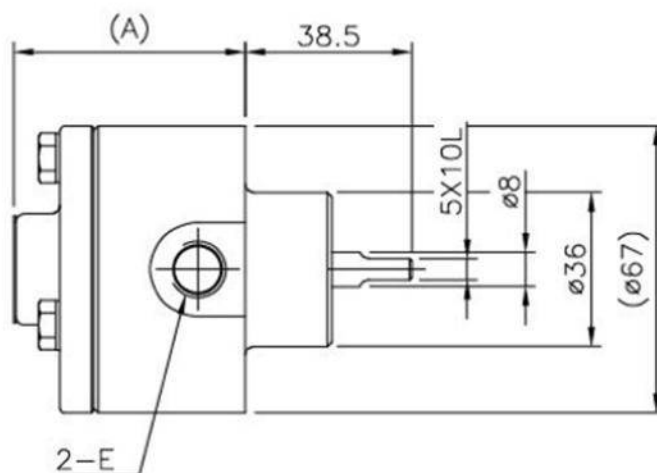
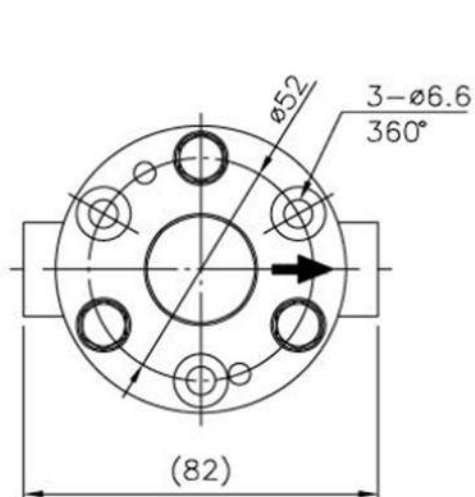
SMUS

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Characteristics & Dimensions

ISH TOP SERIES

MODEL	OUTPUT VOLUME	OUTPUT VOLUME		MAXIMUM OUTPUT PRESSURE	MAXIMUM SPEED	WEIGHT (Gr.)
		1,500 r.p.m	1,800 r.p.m.			
TOP-11A	1.50	2.20	2.70	0.50 (5.00)	2,000	0.55
TOP-12A	2.50	3.70	4.50	0.50 (5.00)	1,800	0.60
TOP-13A	3.50	5.20	6.30	0.50 (5.00)	1,800	0.80
MODEL	A	B	C	D	(E) BORE	
TOP-11A	49.00	11.00	8	68	PT 1/8" / PT 1/4"	
TOP-12A	56.00	11.00	8	76	PT 1/4"	
TOP-13	62.00	14.00	5	82	PT 3/8"	

** Flow Rate & Speed is given in r.p.m..

*** Metered volume is determined by c.c./stroke.

**** Maximum Output Pressure is determined in Mpa (Kgf/cm²).

***** All dimensions are given in millimeters.

ISH TOP-12A SM TOP-12A

TOP OIL FEEDING PUMP



Characteristics & Dimensions

ISH TOP SERIES

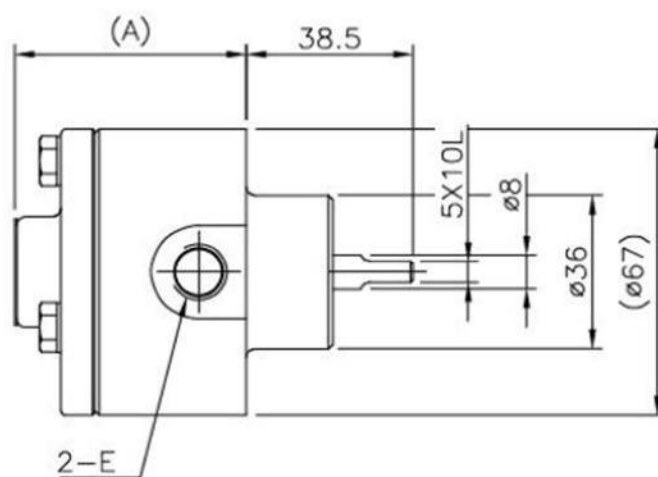
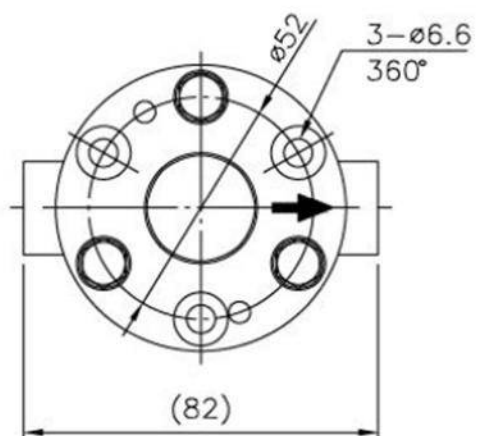
MODEL	OUTPUT VOLUME	OUTPUT VOLUME		MAXIMUM OUTPUT PRESSURE	MAXIMUM SPEED	WEIGHT (Gr.)
		1,500 r.p.m	1,800 r.p.m.			
TOP-11A	1.50	2.20	2.70	0.50 (5.00)	2,000	0.55
TOP-12A	2.50	3.70	4.50	0.50 (5.00)	1,800	0.60
TOP-13A	3.50	5.20	6.30	0.50 (5.00)	1,800	0.80
MODEL	A	B	C	D	(E) BORE	
TOP-11A	49.00	11.00	8	68	PT 1/8" / PT 1/4"	
TOP-12A	56.00	11.00	8	76	PT 1/4"	
TOP-13	62.00	14.00	5	82	PT 3/8"	

** Flow Rate & Speed is given in r.p.m..

*** Metered volume is determined by c.c./stroke.

**** Maximum Output Pressure is determined in Mpa (Kgf/cm²).

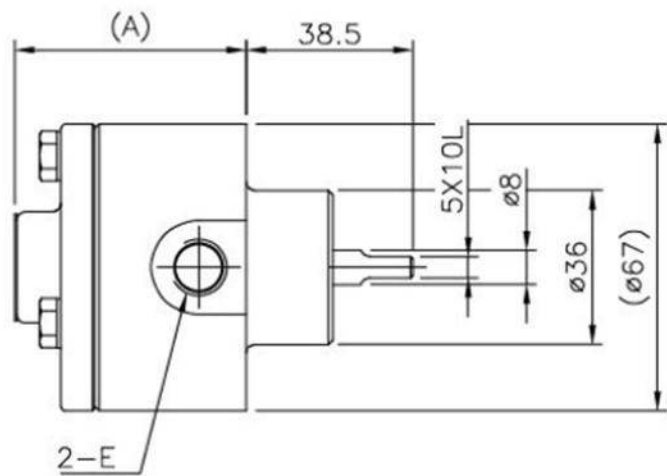
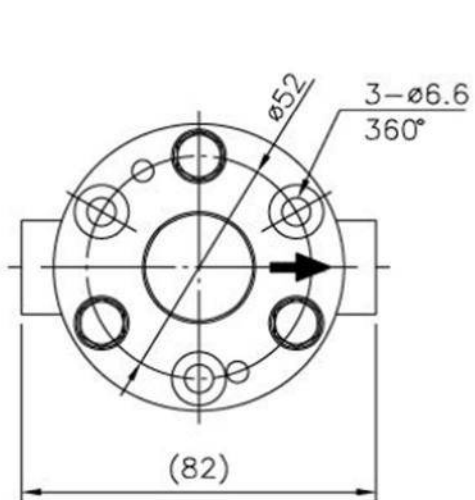
***** All dimensions are given in millimeters.



ISH TOP-13A SM TOP-13A

TOP OIL FEEDING PUMP





Characteristics & Dimensions

ISH TOP SERIES

MODEL	OUTPUT VOLUME	OUTPUT VOLUME		MAXIMUM OUTPUT PRESSURE	MAXIMUM SPEED	WEIGHT (Gr.)
		1,500 r.p.m	1,800 r.p.m.			
TOP-11A	1.50	2.20	2.70	0.50 (5.00)	2,000	0.55
TOP-12A	2.50	3.70	4.50	0.50 (5.00)	1,800	0.60
TOP-13A	3.50	5.20	6.30	0.50 (5.00)	1,800	0.80
MODEL	A	B	C	D	(E) BORE	
TOP-11A	49.00	11.00	8	68	PT 1/8" / PT 1/4"	
TOP-12A	56.00	11.00	8	76	PT 1/4"	
TOP-13	62.00	14.00	5	82	PT 3/8"	

** Flow Rate & Speed is given in r.p.m..

*** Metered volume is determined by c.c./stroke.

**** Maximum Output Pressure is determined in Mpa (Kgf/cm²).

***** All dimensions are given in millimeters.



ISH VOP SERIES SM VOP SERIES

TOP OIL
FEED
PUMP

ISH VOP-204 SM VOP-204

VOP OIL FEEDING PUMP



- a) The structure of the valve is simple and easy to adjust.
- b) It works together with TOP type feed pumps to regulate the pressure of the pipes.
- c) The pressure adjustment range is: 0.20 ~ 0.50 MPa(Kgf/cm²)

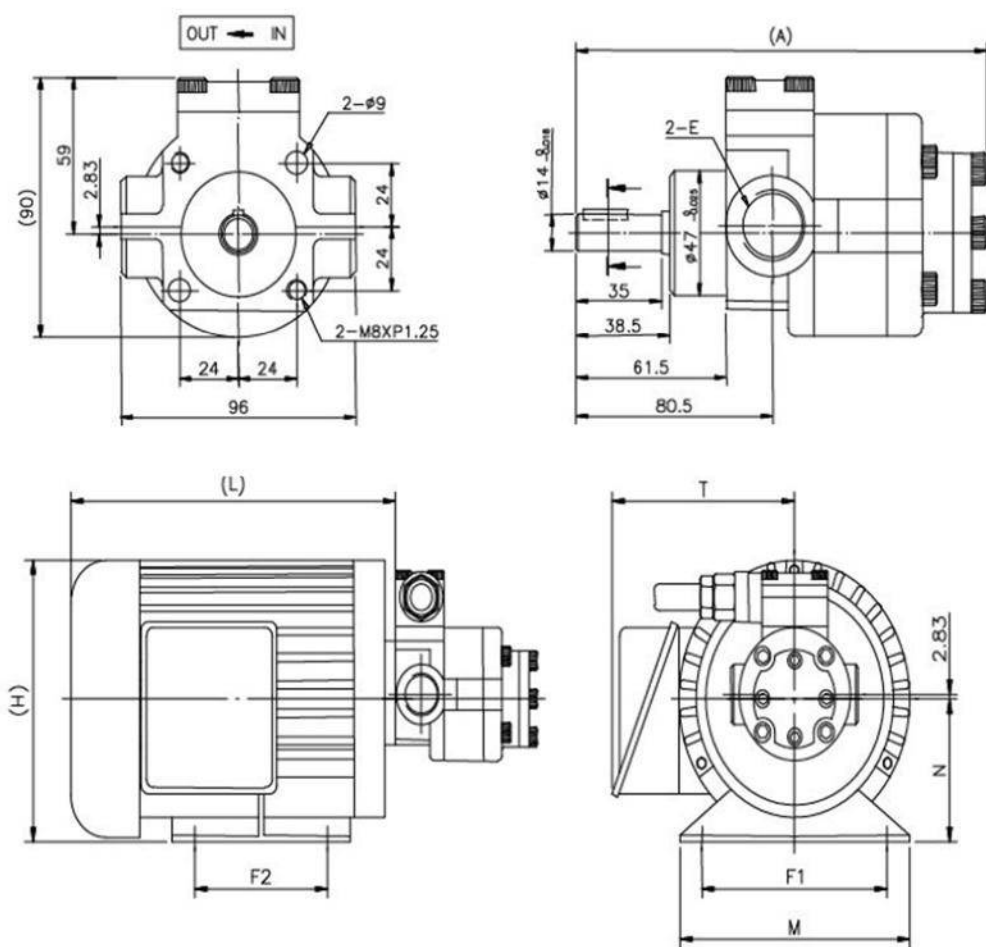


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Characteristics & Dimensions

ISH VOP SERIES

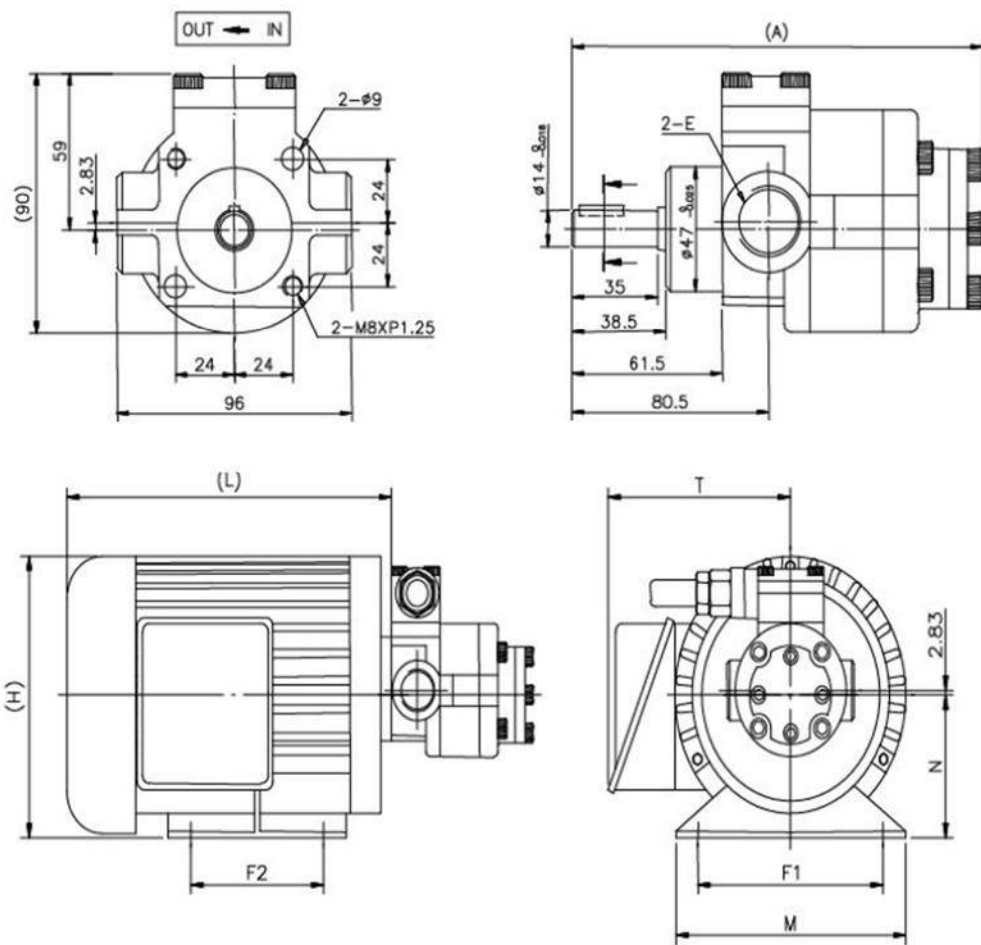
MODEL	FLOW RATE			MAXIMUM OUTPUT PRESSURE	MAXIMUM SPEED	A	E	WEIGHT (Gr.)
	c.c./rev	1/1500	1/1800					
VOP-204	4.00	6.00	7.20	2.50 (25.00)	1,800	148.00	PT 1/2"	3.70
VOP-206	6.00	9.00	10.80	2.50 (25.00)	1,800	153.00	PT 1/2"	4.00
VOP-208	8.00	12.00	14.40	2.50 (25.00)	1,800	158.00	PT 1/2"	4.20
VOP-210	10.00	15.00	18.00	2.50 (25.00)	1,800	160.00	PT 3/4"	4.30
VOP-212	12.00	18.00	21.60	2.50 (25.00)	1,800	168.00	PT 3/4"	4.50
VOP-216	16.00	24.00	28.80	2.50 (25.00)	1,500	-	PT 3/4"	4.80
VOP-220	20.00	30.00	36.00	2.50 (25.00)	1,500	-	PT 3/4"	5.30
MOTOR OUTPUT		L	H	F2	F1	M	N	T
1/2 HP		246.00	168.00	100	125	158.00	80	138.00
1 HP		261.00	168.00	100	125	158.00	80	138.00
2 HP		285.00	188.00	125	140	174.00	90	152.00
** Flow Rate & Speed is given in r.p.m.. *** Metered volume is determined by c.c./stroke. **** Maximum Output Pressure is determined in Mpa (Kgf/cm²). ***** All dimensions are given in millimeters.								

ISH VOP-206 SM VOP-206

VOP OIL FEEDING PUMP



- a) The structure of the valve is simple and easy to adjust.
- b) It works together with TOP type feed pumps to regulate the pressure of the pipes.
- c) The pressure adjustment range is: 0.20 ~ 0.50 MPa(Kgf/cm²)



Characteristics & Dimensions

ISH VOP SERIES

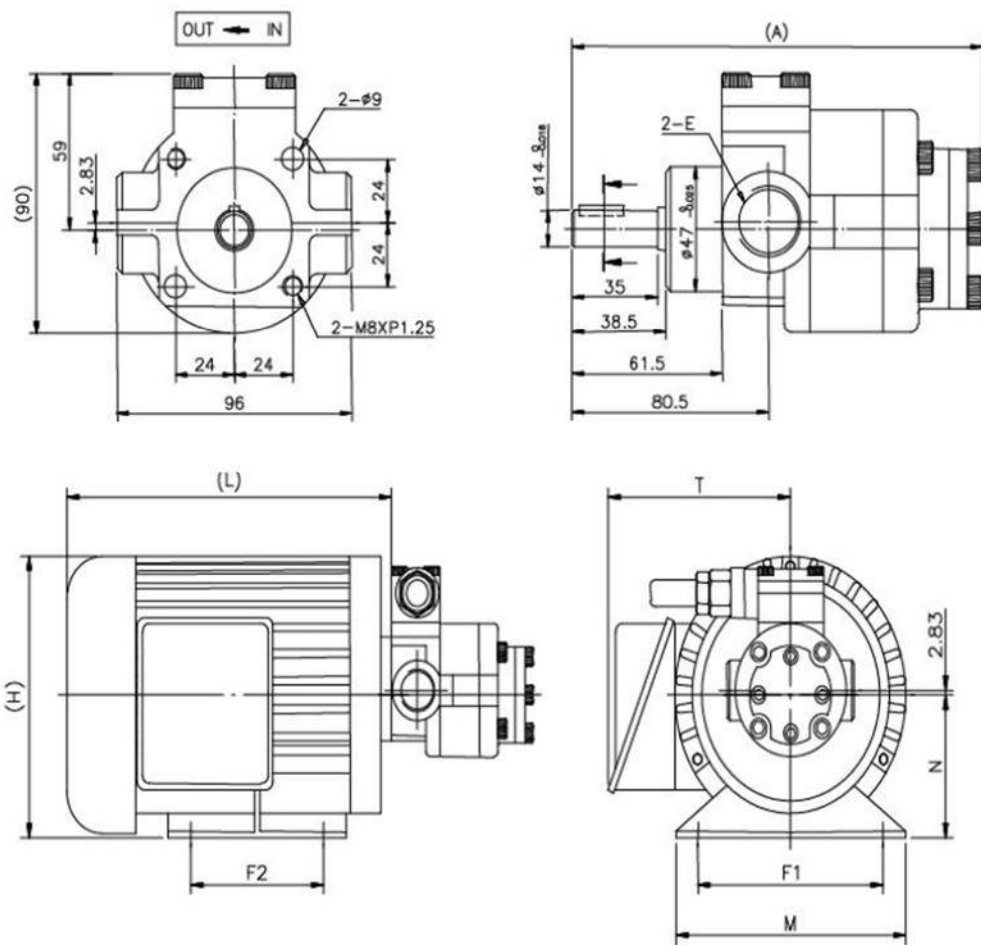
MODEL	FLOW RATE			MAXIMUM OUTPUT PRESSURE	MAXIMUM SPEED	A	E	WEIGHT (Gr.)
	c.c./rev	1/1500	1/1800					
VOP-204	4.00	6.00	7.20	2.50 (25.00)	1,800	148.00	PT 1/2"	3.70
VOP-206	6.00	9.00	10.80	2.50 (25.00)	1,800	153.00	PT 1/2"	4.00
VOP-208	8.00	12.00	14.40	2.50 (25.00)	1,800	158.00	PT 1/2"	4.20
VOP-210	10.00	15.00	18.00	2.50 (25.00)	1,800	160.00	PT 3/4"	4.30
VOP-212	12.00	18.00	21.60	2.50 (25.00)	1,800	168.00	PT 3/4"	4.50
VOP-216	16.00	24.00	28.80	2.50 (25.00)	1,500	-	PT 3/4"	4.80
VOP-220	20.00	30.00	36.00	2.50 (25.00)	1,500	-	PT 3/4"	5.30
MOTOR OUTPUT		L	H	F2	F1	M	N	T
1/2 HP		246.00	168.00	100	125	158.00	80	138.00
1 HP		261.00	168.00	100	125	158.00	80	138.00
2 HP		285.00	188.00	125	140	174.00	90	152.00
** Flow Rate & Speed is given in r.p.m.. *** Metered volume is determined by c.c./stroke. **** Maximum Output Pressure is determined in Mpa (Kgf/cm²). ***** All dimensions are given in millimeters.								

ISH VOP-208 SM VOP-208

VOP OIL FEEDING PUMP



- a) The structure of the valve is simple and easy to adjust.
- b) It works together with TOP type feed pumps to regulate the pressure of the pipes.
- c) The pressure adjustment range is: 0.20 ~ 0.50 MPa(Kgf/cm²)



Characteristics & Dimensions

ISH VOP SERIES

MODEL	FLOW RATE			MAXIMUM OUTPUT PRESSURE	MAXIMUM SPEED	A	E	WEIGHT (Gr.)
	c.c./rev	1/1500	1/1800					
VOP-204	4.00	6.00	7.20	2.50 (25.00)	1,800	148.00	PT 1/2"	3.70
VOP-206	6.00	9.00	10.80	2.50 (25.00)	1,800	153.00	PT 1/2"	4.00
VOP-208	8.00	12.00	14.40	2.50 (25.00)	1,800	158.00	PT 1/2"	4.20
VOP-210	10.00	15.00	18.00	2.50 (25.00)	1,800	160.00	PT 3/4"	4.30
VOP-212	12.00	18.00	21.60	2.50 (25.00)	1,800	168.00	PT 3/4"	4.50
VOP-216	16.00	24.00	28.80	2.50 (25.00)	1,500	-	PT 3/4"	4.80
VOP-220	20.00	30.00	36.00	2.50 (25.00)	1,500	-	PT 3/4"	5.30
MOTOR OUTPUT		L	H	F2	F1	M	N	T
1/2 HP		246.00	168.00	100	125	158.00	80	138.00
1 HP		261.00	168.00	100	125	158.00	80	138.00
2 HP		285.00	188.00	125	140	174.00	90	152.00
** Flow Rate & Speed is given in r.p.m.. *** Metered volume is determined by c.c./stroke. **** Maximum Output Pressure is determined in Mpa (Kgf/cm²). ***** All dimensions are given in millimeters.								

ISH VOP-210 SM VOP-210

VOP OIL FEEDING PUMP



- a) The structure of the valve is simple and easy to adjust.
- b) It works together with TOP type feed pumps to regulate the pressure of the pipes.
- c) The pressure adjustment range is: 0.20 ~ 0.50 MPa(Kgf/cm²)

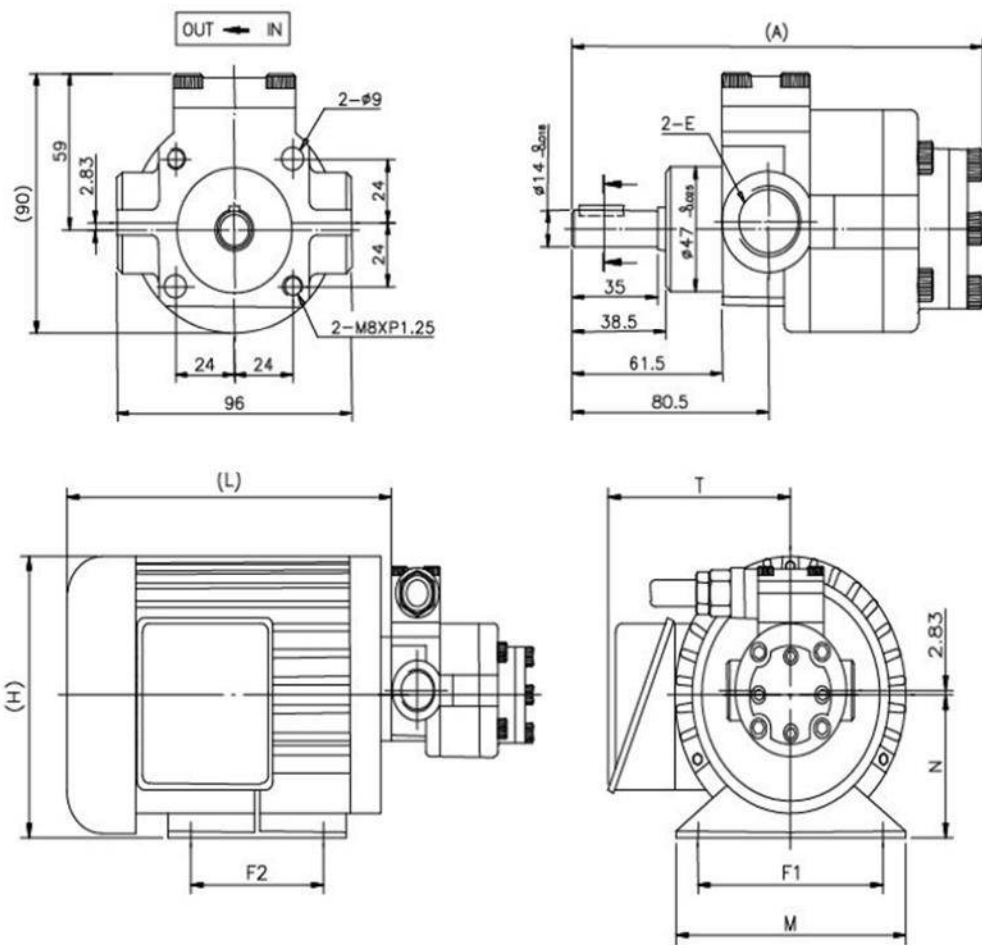


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Characteristics & Dimensions

ISH VOP SERIES

MODEL	FLOW RATE			MAXIMUM OUTPUT PRESSURE	MAXIMUM SPEED	A	E	WEIGHT (Gr.)
	c.c./rev	1/1500	1/1800					
VOP-204	4.00	6.00	7.20	2.50 (25.00)	1,800	148.00	PT 1/2"	3.70
VOP-206	6.00	9.00	10.80	2.50 (25.00)	1,800	153.00	PT 1/2"	4.00
VOP-208	8.00	12.00	14.40	2.50 (25.00)	1,800	158.00	PT 1/2"	4.20
VOP-210	10.00	15.00	18.00	2.50 (25.00)	1,800	160.00	PT 3/4"	4.30
VOP-212	12.00	18.00	21.60	2.50 (25.00)	1,800	168.00	PT 3/4"	4.50
VOP-216	16.00	24.00	28.80	2.50 (25.00)	1,500	-	PT 3/4"	4.80
VOP-220	20.00	30.00	36.00	2.50 (25.00)	1,500	-	PT 3/4"	5.30
MOTOR OUTPUT		L	H	F2	F1	M	N	T
1/2 HP		246.00	168.00	100	125	158.00	80	138.00
1 HP		261.00	168.00	100	125	158.00	80	138.00
2 HP		285.00	188.00	125	140	174.00	90	152.00

** Flow Rate & Speed is given in r.p.m..

*** Metered volume is determined by c.c./stroke.

**** Maximum Output Pressure is determined in Mpa (Kgf/cm²).

***** All dimensions are given in millimeters.

ISH VOP-212 SM VOP-212

VOP OIL FEEDING PUMP



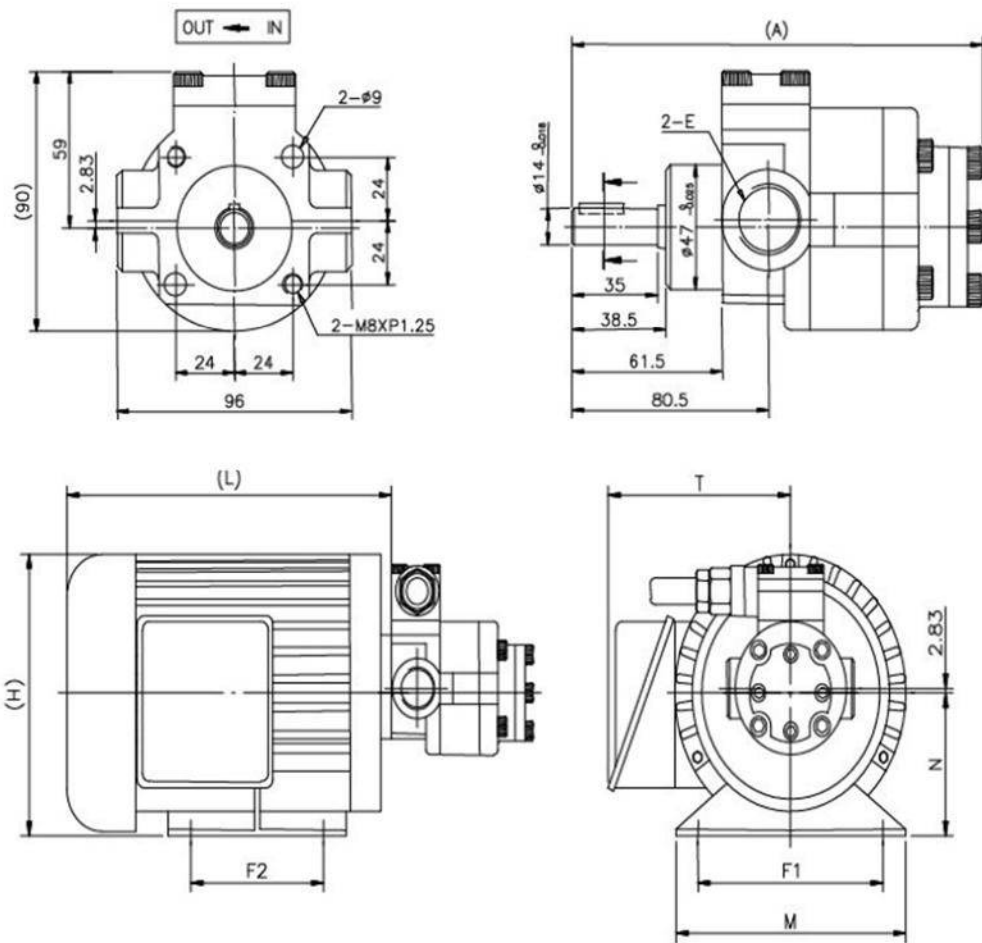
- a) The structure of the valve is simple and easy to adjust.
- b) It works together with TOP type feed pumps to regulate the pressure of the pipes.
- c) The pressure adjustment range is: 0.20 ~ 0.50 MPa(Kgf/cm²)



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MODEL	FLOW RATE			MAXIMUM OUTPUT PRESSURE	MAXIMUM SPEED	A	E	WEIGHT (Gr.)
	c.c./rev	1/1500	1/1800					
VOP-204	4.00	6.00	7.20	2.50 (25.00)	1,800	148.00	PT 1/2"	3.70
VOP-206	6.00	9.00	10.80	2.50 (25.00)	1,800	153.00	PT 1/2"	4.00
VOP-208	8.00	12.00	14.40	2.50 (25.00)	1,800	158.00	PT 1/2"	4.20
VOP-210	10.00	15.00	18.00	2.50 (25.00)	1,800	160.00	PT 3/4"	4.30
VOP-212	12.00	18.00	21.60	2.50 (25.00)	1,800	168.00	PT 3/4"	4.50
VOP-216	16.00	24.00	28.80	2.50 (25.00)	1,500	-	PT 3/4"	4.80
VOP-220	20.00	30.00	36.00	2.50 (25.00)	1,500	-	PT 3/4"	5.30
MOTOR OUTPUT		L	H	F2	F1	M	N	T
1/2 HP		246.00	168.00	100	125	158.00	80	138.00
1 HP		261.00	168.00	100	125	158.00	80	138.00
2 HP		285.00	188.00	125	140	174.00	90	152.00

** Flow Rate & Speed is given in r.p.m..

*** Metered volume is determined by c.c./stroke.

**** Maximum Output Pressure is determined in Mpa (Kgf/cm²).

***** All dimensions are given in millimeters.

ISH VOP-216 SM VOP-216

VOP OIL FEEDING PUMP



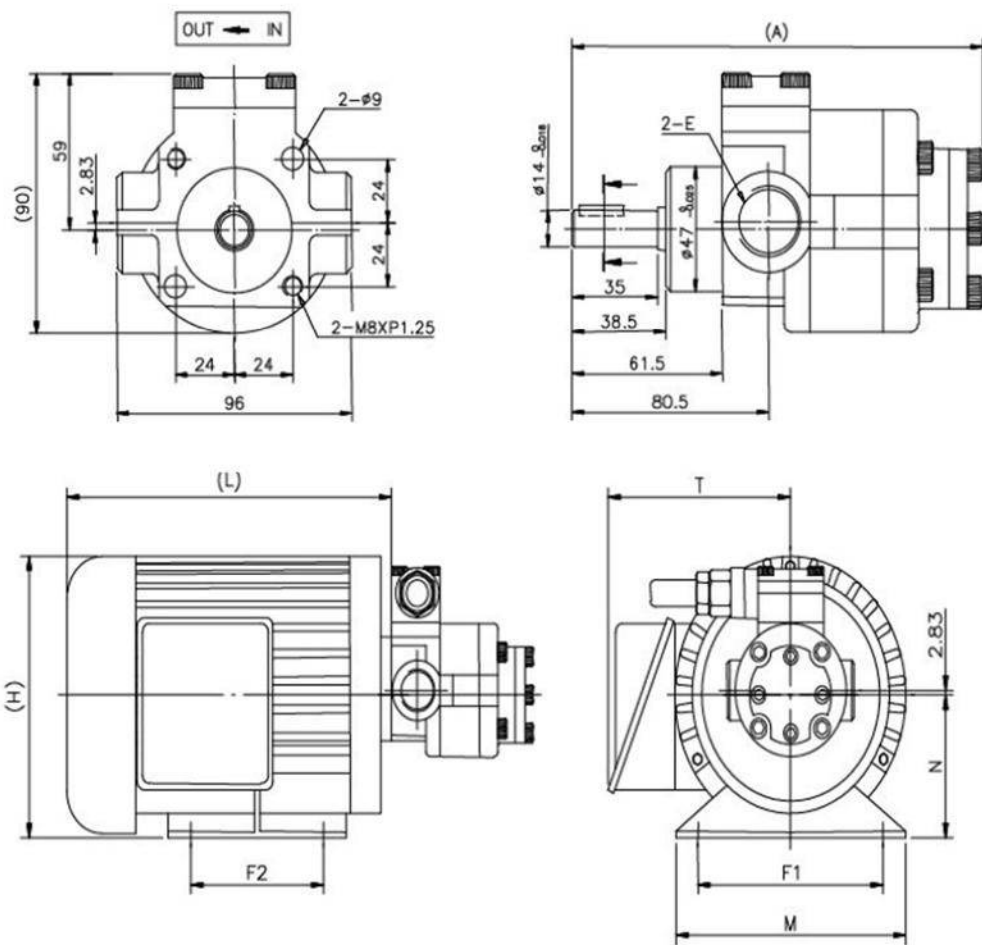
- a) The structure of the valve is simple and easy to adjust.
- b) It works together with TOP type feed pumps to regulate the pressure of the pipes.
- c) The pressure adjustment range is: 0.20 ~ 0.50 MPa(Kgf/cm²)



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Characteristics & Dimensions

ISH VOP SERIES

MODEL	FLOW RATE			MAXIMUM OUTPUT PRESSURE	MAXIMUM SPEED	A	E	WEIGHT (Gr.)
	c.c./rev	1/1500	1/1800					
VOP-204	4.00	6.00	7.20	2.50 (25.00)	1,800	148.00	PT 1/2"	3.70
VOP-206	6.00	9.00	10.80	2.50 (25.00)	1,800	153.00	PT 1/2"	4.00
VOP-208	8.00	12.00	14.40	2.50 (25.00)	1,800	158.00	PT 1/2"	4.20
VOP-210	10.00	15.00	18.00	2.50 (25.00)	1,800	160.00	PT 3/4"	4.30
VOP-212	12.00	18.00	21.60	2.50 (25.00)	1,800	168.00	PT 3/4"	4.50
VOP-216	16.00	24.00	28.80	2.50 (25.00)	1,500	-	PT 3/4"	4.80
VOP-220	20.00	30.00	36.00	2.50 (25.00)	1,500	-	PT 3/4"	5.30
MOTOR OUTPUT		L	H	F2	F1	M	N	T
1/2 HP		246.00	168.00	100	125	158.00	80	138.00
1 HP		261.00	168.00	100	125	158.00	80	138.00
2 HP		285.00	188.00	125	140	174.00	90	152.00
** Flow Rate & Speed is given in r.p.m.. *** Metered volume is determined by c.c./stroke. **** Maximum Output Pressure is determined in Mpa (Kgf/cm²). ***** All dimensions are given in millimeters.								

ISH VOP-220 SM VOP-220

VOP OIL FEEDING PUMP



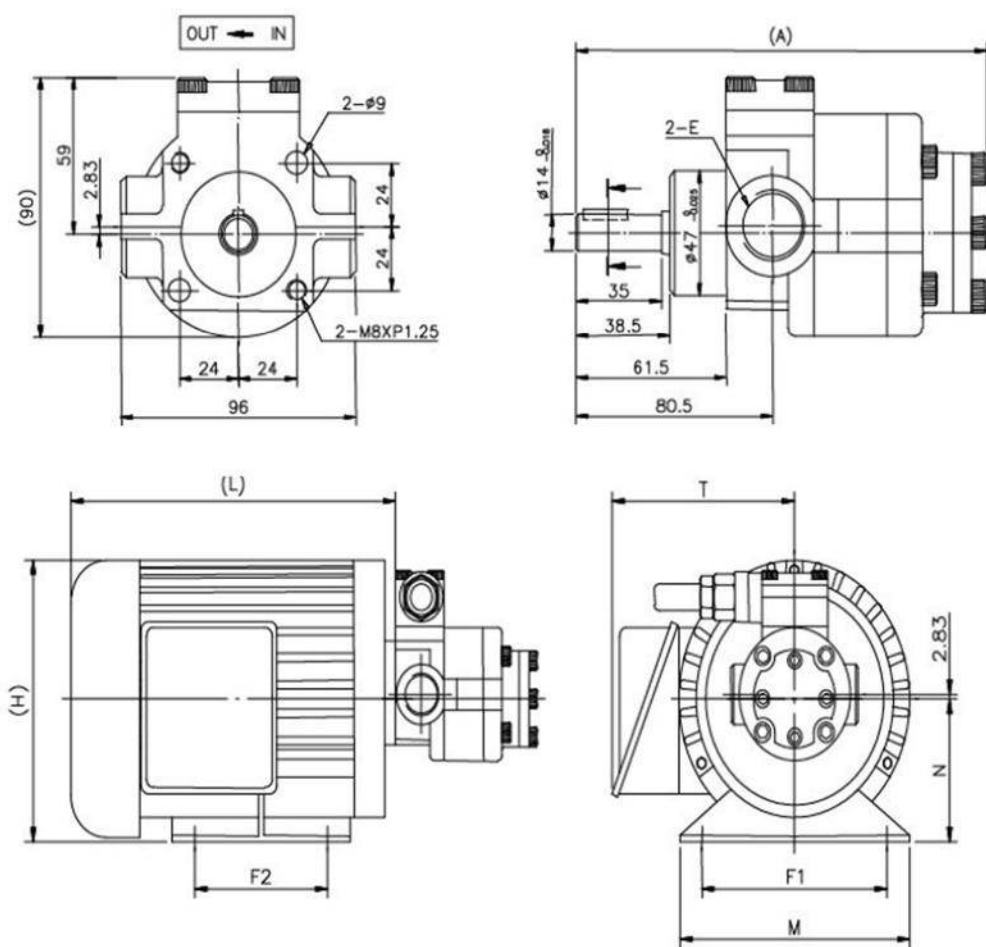
- a) The structure of the valve is simple and easy to adjust.
- b) It works together with TOP type feed pumps to regulate the pressure of the pipes.
- c) The pressure adjustment range is: 0.20 ~ 0.50 MPa(Kgf/cm²)



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LUBRICATION SYSTEM



Characteristics & Dimensions

ISH VOP SERIES

MODEL	FLOW RATE			MAXIMUM OUTPUT PRESSURE	MAXIMUM SPEED	A	E	WEIGHT (Gr.)
	c.c./rev	1/1500	1/1800					
VOP-204	4.00	6.00	7.20	2.50 (25.00)	1,800	148.00	PT 1/2"	3.70
VOP-206	6.00	9.00	10.80	2.50 (25.00)	1,800	153.00	PT 1/2"	4.00
VOP-208	8.00	12.00	14.40	2.50 (25.00)	1,800	158.00	PT 1/2"	4.20
VOP-210	10.00	15.00	18.00	2.50 (25.00)	1,800	160.00	PT 3/4"	4.30
VOP-212	12.00	18.00	21.60	2.50 (25.00)	1,800	168.00	PT 3/4"	4.50
VOP-216	16.00	24.00	28.80	2.50 (25.00)	1,500	-	PT 3/4"	4.80
VOP-220	20.00	30.00	36.00	2.50 (25.00)	1,500	-	PT 3/4"	5.30
MOTOR OUTPUT		L	H	F2	F1	M	N	T
1/2 HP		246.00	168.00	100	125	158.00	80	138.00
1 HP		261.00	168.00	100	125	158.00	80	138.00
2 HP		285.00	188.00	125	140	174.00	90	152.00

** Flow Rate & Speed is given in r.p.m..

*** Metered volume is determined by c.c./stroke.

**** Maximum Output Pressure is determined in Mpa (Kgf/cm²).

***** All dimensions are given in millimeters.



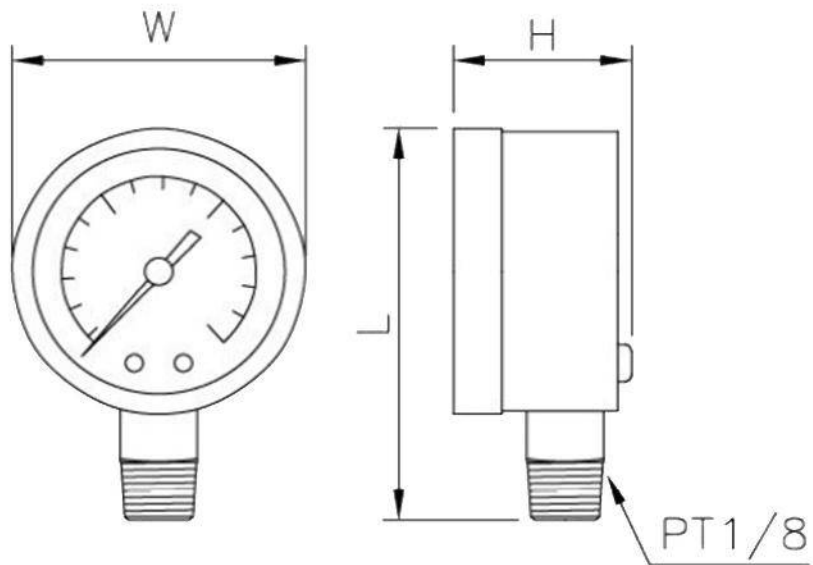
ISH VPG SERIES SM VPG SERIES

VERTICAL
PRESSURE
METER

ISH VPG SM VPG

VERTICAL PRESSURE GAUGE







Characteristics & Dimensions

MODEL	GRADUATED SPECIFICATIONS	W	L	WEIGHT (gr)
327203	1.50	42.00	38.00	50
327204	3.50	42.00	38.00	50.00

** Graduation are given in Bar (Mpa).
 *** Based on maximum working pressure of 0.40 Mpa (4.00 Kg/cm²)
 ***** All dimensions are given in millimeters.



ISH YAC-B2 SERIES SM YAC-B2 SERIES

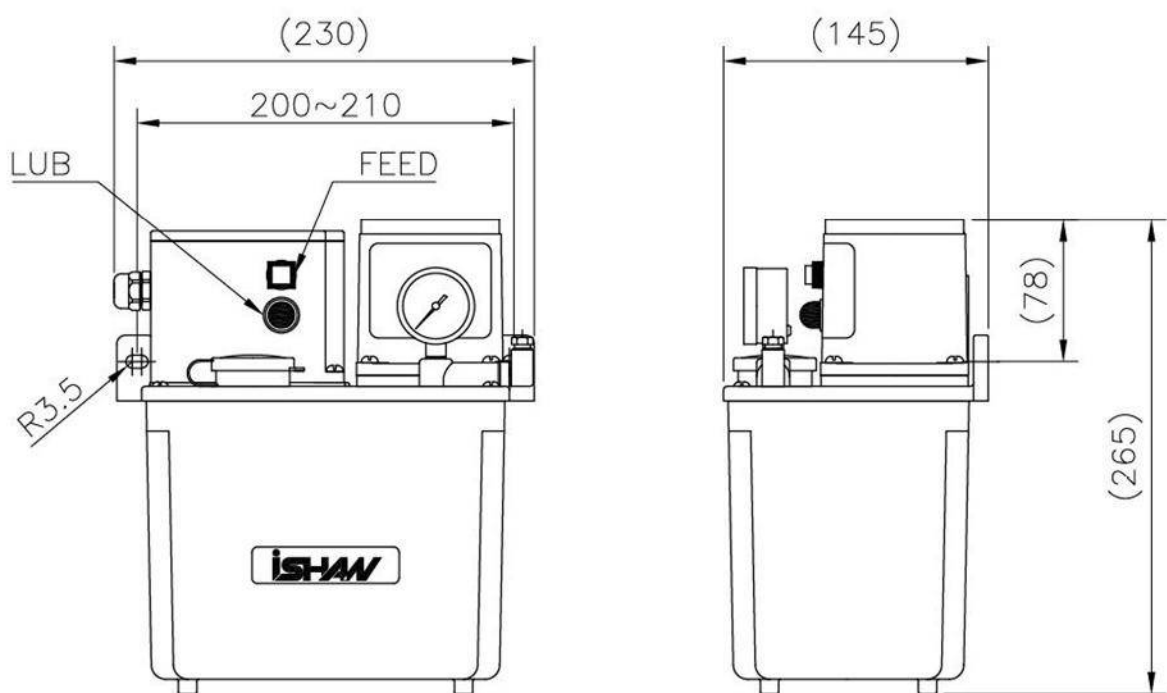
VOLUMETRIC TYPE
ELECTRICAL
PISTON
LUBRICANT

ISH YAC-B2 SM YAC-B2



VOLUMETRIC TYPE ELECTRIC LUBRICATOR

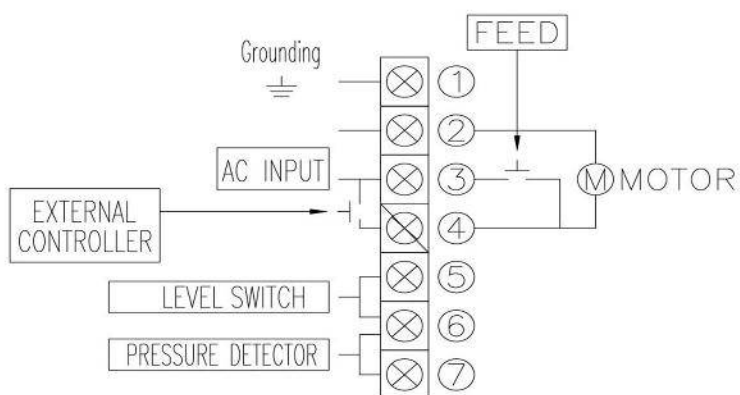




Characteristics & Dimensions

Model	ISH YAC-B2P2
Voltage (Single Phase)	110 / 220
Consumption Power (Watts)	56.00
Output Power (Watts)	25.00
Capacity Of Terminal Output	AC 240 volts / DC 200 volts (Floating Switch) AC 250 volts / 3 Amp (Pressure Switch)
Lubrication Time (second/minute)	Cooperates With PLC Control Systems.
Intermittent Time (second/minute/hour/cycle)	Cooperates With PLC Control Systems.
Output Bore	Ø4 or Ø6
Maximum Output Pressure Mpa (kgf/cm ²)	2.0(20)
Output Volume (c.c. / min)	150.00
Floating Switch	Included
Pressure Release Device	Included
Pressure Switch (kgf/cm ²)	Included
Pressure Gauge	Included
Alarm Beeper	Included
Tank Capacity (L)	3L & 4L (Resin), 4L (Aluminum), 6L, 8L & 20L (Steel)
Total Weight (Kg)	4.40 & 4.80 / 5.20 / 6.70, 8.50 & 17.10
** Special model can be manufacture under customer specifications. *** All dimensions are given in millimeters.	

LUBRICATING SYSTEM WIRING DIAGRAM ISH YAC-B2



ORDERING CODE

YAC - B2 P2 003 P B 0 - 1 06 A

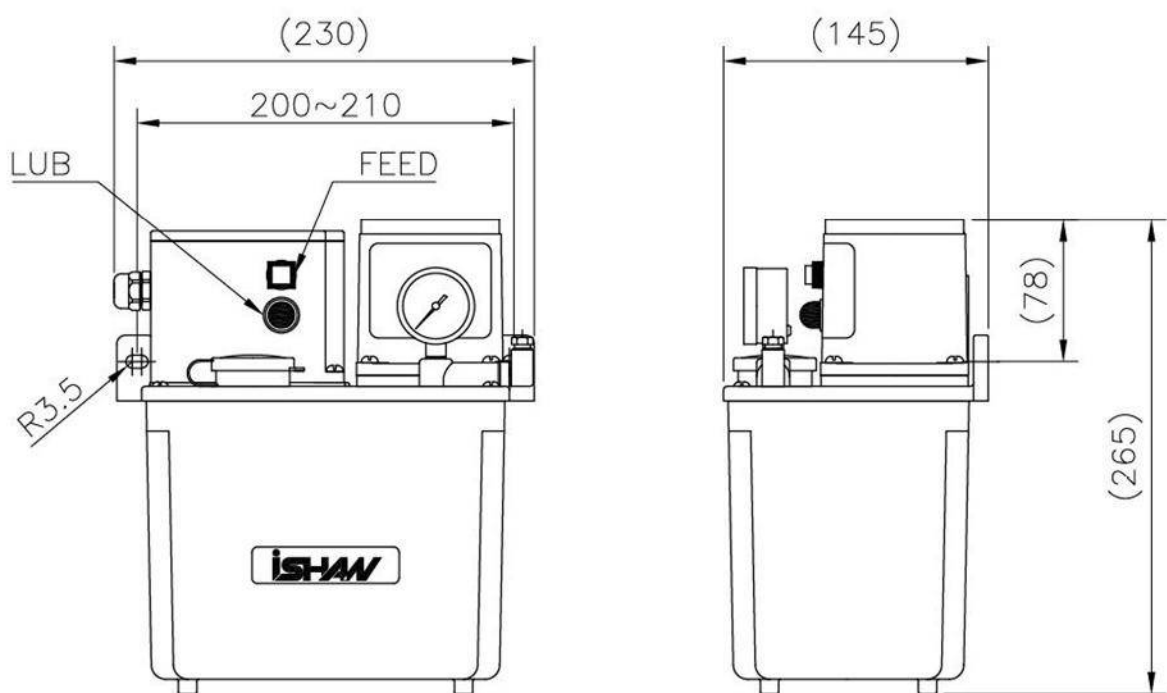
Control type	Pressure switch	Reservoir	Reservoir material	Mounting	Oil return device	Voltage	Output bore	Output
B2=PLC	P2 =with Null = without	003 = 3L 004 = 4L 006 = 6L 008 = 8L 008 = 8L 020 = 20L	P = Resin (3/4L) S = Steel (6L up) A=Aluminum (Only 4L)	B= Rear bracket	0=without	1 = 110V 2 = 220V	04 = 4mm 06 = 6mm	A=25W 150 c.c./min

ISH YAC-B2P2 SM YAC-B2P2



VOLUMETRIC TYPE ELECTRIC LUBRICATOR





Characteristics & Dimensions

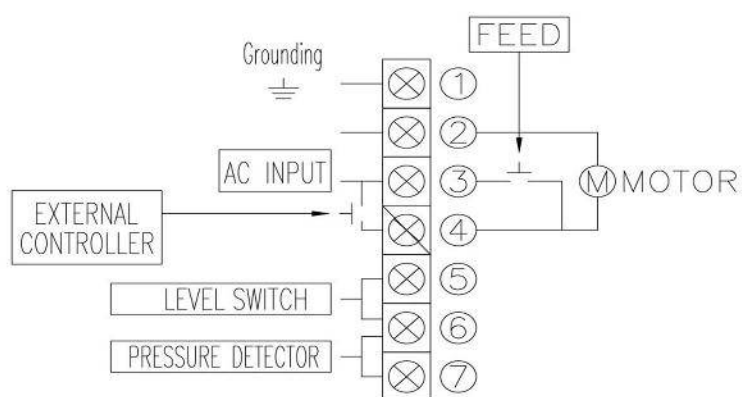
Model	ISH YAC-B2P2
Voltage (Single Phase)	110 / 220
Consumption Power (Watts)	56.00
Output Power (Watts)	25.00
Capacity Of Terminal Output	AC 240 volts / DC 200 volts (Floating Switch) AC 250 volts / 3 Amp (Pressure Switch)
Lubrication Time (second/minute)	Cooperates With PLC Control Systems.
Intermittent Time (second/minute/hour/cycle)	Cooperates With PLC Control Systems.
Output Bore	Ø4 or Ø6
Maximum Output Pressure Mpa (kgf/cm ²)	2.0(20)
Output Volume (c.c. / min)	150.00
Floating Switch	Included
Pressure Release Device	Included
Pressure Switch (kgf/cm ²)	Included
Pressure Gauge	Included
Alarm Beeper	Included
Tank Capacity (L)	3L & 4L (Resin), 4L (Aluminum), 6L, 8L & 20L (Steel)
Total Weight (Kg)	4.40 & 4.80 / 5.20 / 6.70, 8.50 & 17.10

** Special model can be manufacture under customer specifications.

*** All dimensions are given in millimeters.

LUBRICATING SYSTEM WIRING DIAGRAM

ISH YAC-B2P2



ISHAW
LUBRICATION SYSTEM

ORDERING CODE

YAC - B2 P2 003 P B 0 - 1 06 A

Control type	Pressure switch	Reservoir	Reservoir material	Mounting	Oil return device	Voltage	Output bore	Output
B2=PLC	P2 =with Null = without	003 = 3L 004 = 4L 006 = 6L 008 = 8L 008 = 8L 020 = 20L	P = Resin (3/4L) S = Steel (6L up) A=Aluminum (Only 4L)	B= Rear bracket	0=without	1 = 110V 2 = 220V	04 = 4mm 06 = 6mm	A=25W 150 c.c./min



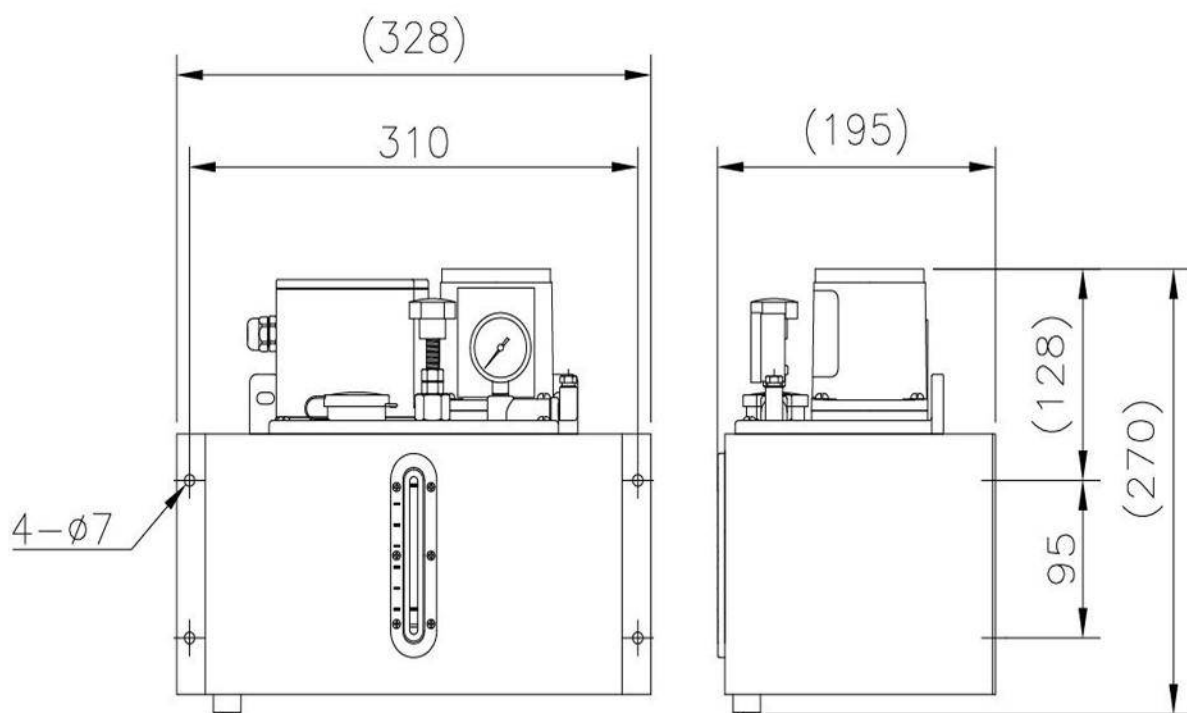
ISH YAC-H1 SERIES SM YAC-H1 SERIES

RESISTANCE
TYPE
ELECTRIC
LUBRICANT

ISH YAC-H1 SM YAC-H1

RESISTANT TYPE ELECTRIC LUBRICATOR





Characteristics & Dimensions

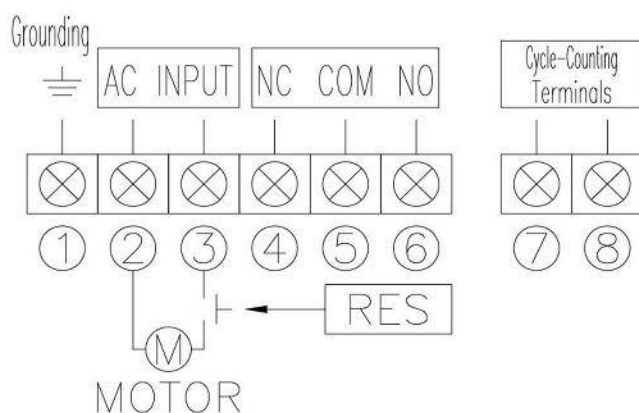
MODEL	ISH YAC-H1
Voltage (Single Phase)	110 or 220
Consumption Power (Watts)	56.00
Output Power (Watts)	25.00
Capacity Of Terminal Output	AC 240 Volts/DC 200 Volts 0.5 Amp (Floating Switch) DC 12 Volts 3 Amp (Pressure Switch)
Lubrication Time (second/minute)	Cooperates With PLC Control System
Intermittent Time (second/minute/hour/cycle)	Cooperates With PLC Control System
Output Bore	Ø4 ó Ø6
Maximum Output Pressure Mpa (kgf/cm ²)	1.00 (10.00)
Output Volume (c.c. / min)	250 (Standard) / 400 (Optional)
Floating Switch	Included
Pressure Release Device	NOT Included
Pressure Switch (kgf/cm ²)	NOT Included
Pressure Gauge	Included
Alarm Beeper	NOT Included
Tank Capacity (L)	3L & 4L (Resin), 4L (Aluminum) & 8L (Metal)
Total Weight (Kg)	4.20 & 4.50 (Acrylic), 4.90 (Aluminum) & 10.30 (Metal)

** Special characteristics can be applied to device by customers request.

*** All dimensions are given in millimeters.

Lubricating System Wiring Diagram

ISH YAC-HIP1



ISHAW
LUBRICATION SYSTEM

ORDERING CODE

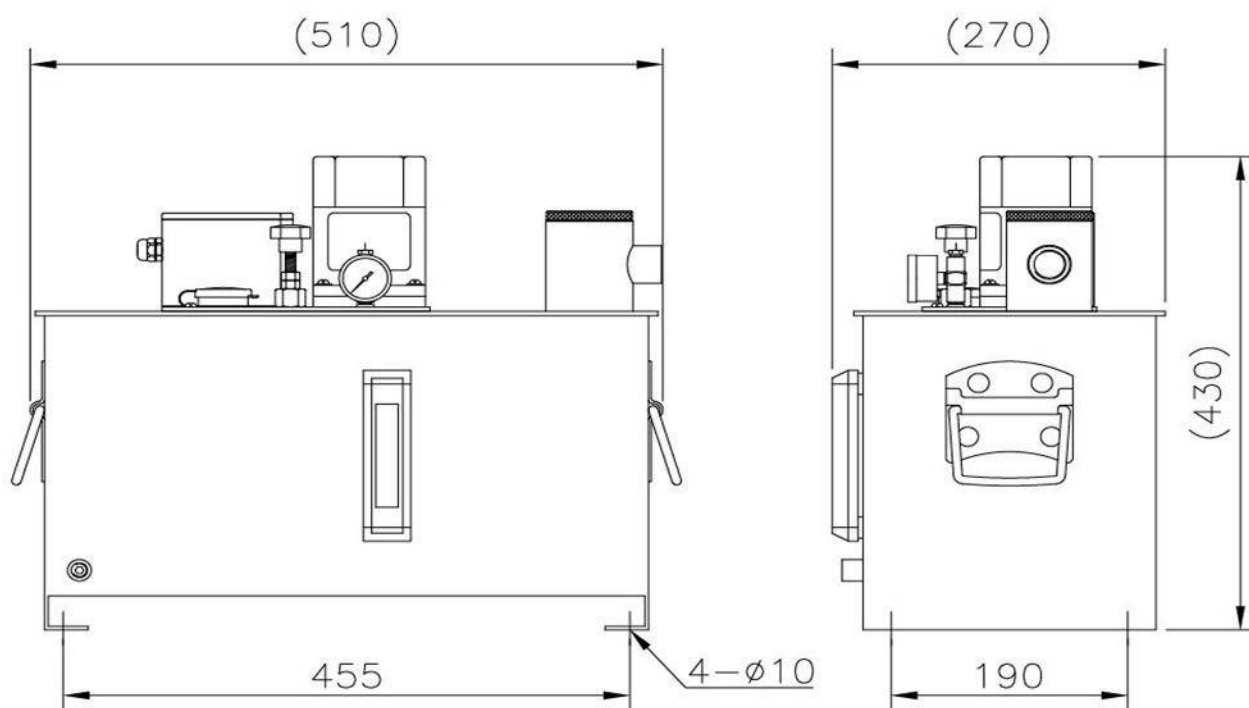
Order Code | YAC - H1 **P1** **006** **B** 0 - **1** **06** **B**

Control type	Pressure monitoring	Reservoir	Reservoir material	Mounting	Oil return device	Voltage	Output bore	Output
HI = PLC	P1 = with Null = without	003 = 3L 004 = 4L 006 = 6L 008 = 8L 020 = 20L	P = Resin (3/4L) S = Steel (6L up) A = Aluminum (Only 4L)	B = Rear bracket	0 = without	1 = 110V 2 = 220V	04 = 4mm 06 = 6mm	B = 2.5 W 250 c.c./min. C = 2.5 W 400 c.c./min.

ISH YAC-H1 SM YAC-H1

RESISTANT TYPE ELECTRIC LUBRICATOR (75 Watts & 90 Watts)





20L with oil return device(75W)

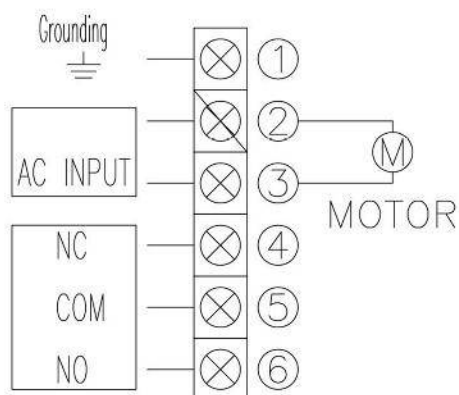
Characteristics & Dimensions

MODEL	ISH YAC-H1 (75-90)
Voltage (Single Phase)	110 or 220
Consumption Power (Watts)	176 / 210
Output Power (Watts)	75 / 90
Capacity Of Terminal Output	AC 240 Volts/DC 200 Volts 0.5 Amp (Floating Switch) DC 12 Volts 3 Amp (Pressure Switch)
Lubrication Time (second/minute)	Cooperates With PLC Control System
Intermittent Time (second/minute/hour/cycle)	Cooperates With PLC Control System
Output Bore	Ø4 6 Ø6
Maximum Output Pressure Mpa (kgf/cm ²)	3.00 (30.00)
Output Volume (c.c. / min.)	600.00
Floating Switch	Included
Pressure Release Device	NOT Included
Pressure Switch (kgf/cm ²)	NOT Included
Pressure Gauge	Included
Alarm Beeper	NOT Included
Tank Capacity (L)	8.00
Total Weight (Kg)	10.00

** Special characteristics can be applied to device by customers request.

*** All dimensions are given in millimeters.

Lubricating System Wiring Diagram ISH YAC-H1 (75-90)



ISHAW
LUBRICATION SYSTEM

ORDERING CODE

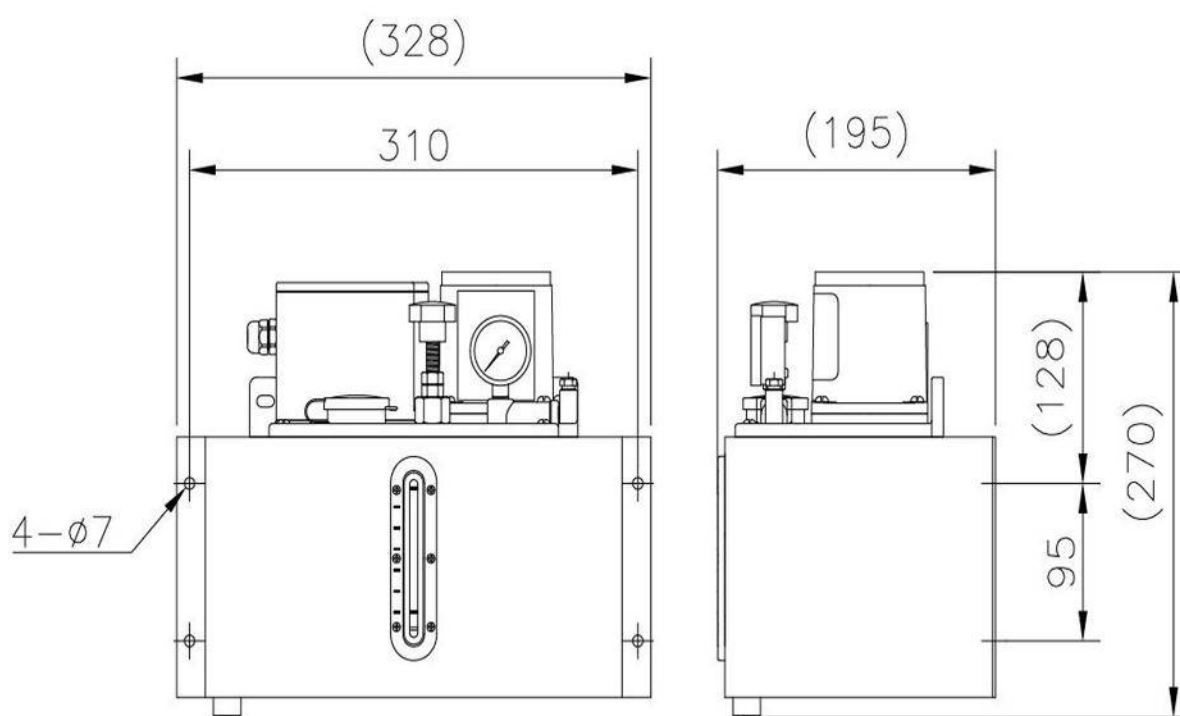
Order Code | YAC - H1 **P1** **020** **S** **0** - **1** **06** - **D**

Control type	Pressure monitoring	Reservoir	Reservoir material	Mounting	Oil return device	Voltage	Output bore	Output
H1 = PLC	P1 = with Null = without	008 = 8L 020 = 20L	S = Steel	B= Rear bracket S=Standing mount (20L up)	0 = without 1 = with	1 = 110V 2 = 220V	04=4mm 06=6mm	D=75W 600 c.c./min. E= 90W 600 c.c./min.

ISH YAC-H1P1 SM YAC-H1P1

RESISTANT TYPE ELECTRIC LUBRICATOR





Characteristics & Dimensions

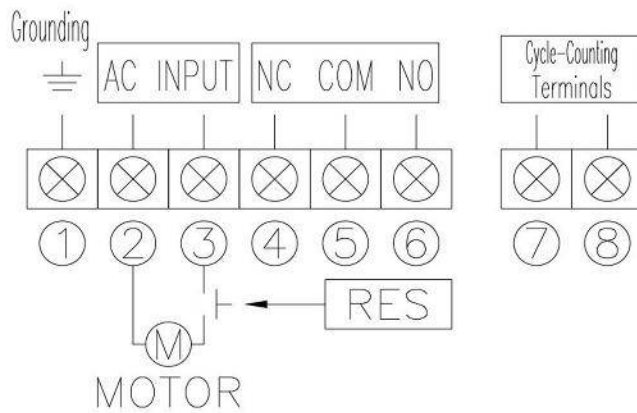
MODEL	ISH YAC-H1P1
Voltage (Single Phase)	110 or 220
Consumption Power (Watts)	56.00
Output Power (Watts)	25.00
Capacity Of Terminal Output	AC 240 Volts/DC 200 Volts 0.5 Amp (Floating Switch) DC 12 Volts 3 Amp (Pressure Switch)
Lubrication Time (second/minute)	Cooperates With PLC Control System
Intermittent Time (second/minute/hour/cycle)	Cooperates With PLC Control System
Output Bore	Ø4 ó Ø6
Maximum Output Pressure Mpa (kgf/cm ²)	1.00 (10.00)
Output Volume (c.c. / min)	250 (Standard) / 400 (Optional)
Floating Switch	Included
Pressure Release Device	NOT Included
Pressure Switch (kgf/cm ²)	Included
Pressure Gauge	Included
Alarm Beeper	NOT Included
Tank Capacity (L)	3L & 4L (Resin), 4L (Aluminum) & 8L (Metal)
Total Weight (Kg)	4.20 & 4.50 (Acrylic), 4.90 (Aluminum) & 10.30 (Metal)

** Special characteristics can be applied to device by customers request.

*** All dimensions are given in millimeters.

Lubricating System Wiring Diagram

ISH YAC-HIP1



ISHAW
LUBRICATION SYSTEM

ORDERING CODE

Order Code | YAC - H1 **P1** **006** **B** 0 - **1** **06** **B**

Control type	Pressure monitoring	Reservoir	Reservoir material	Mounting	Oil return device	Voltage	Output bore	Output
HI = PLC	P1 = with Null = without	003 = 3L 004 = 4L 006 = 6L 008 = 8L 020 = 20L	P = Resin (3/4L) S = Steel (6L up) A = Aluminum (Only 4L)	B = Rear bracket	0 = without	1 = 110V 2 = 220V	04 = 4mm 06 = 6mm	B = 2.5 W 250 c.c./min. C = 2.5 W 400 c.c./min.

ISH YAC-H1P1 SM YAC-H1P1

RESISTANT TYPE ELECTRIC LUBRICATOR (75 Watts & 90 Watts)



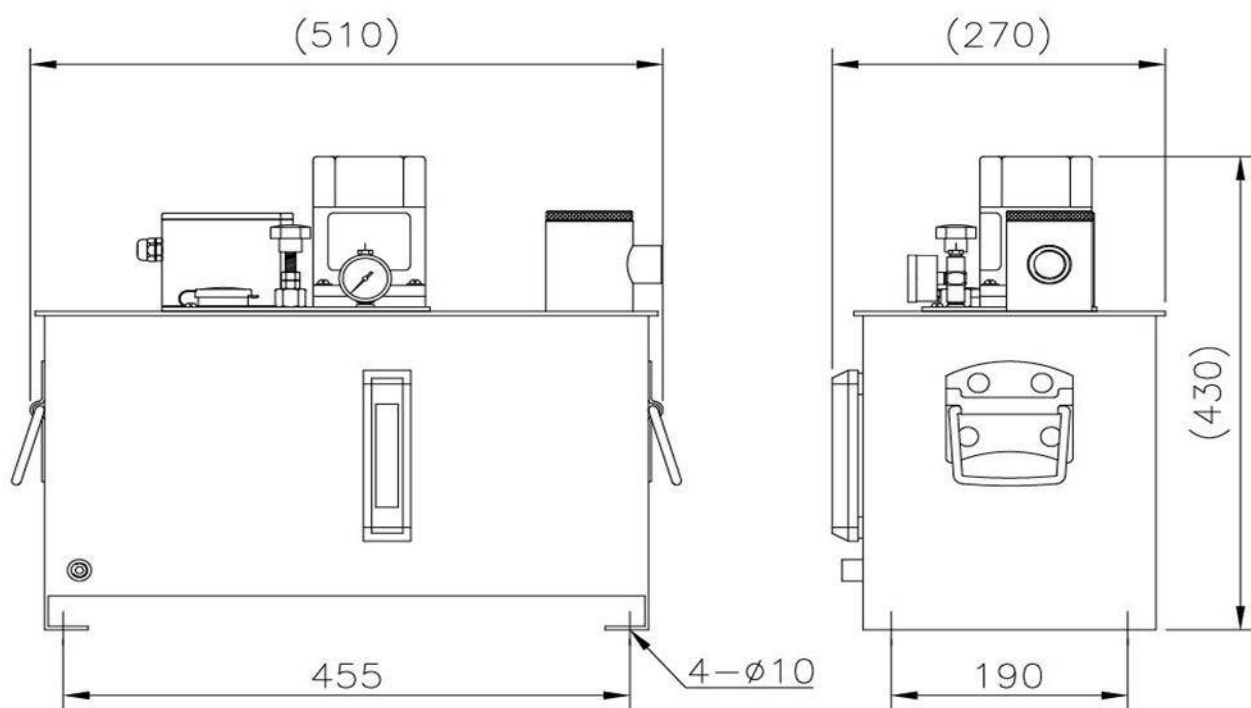
SMUS

ISHAW
LUBRICATION SYSTEM

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ISHAN PRECISION INDUSTRY, CO., LTD



ISHAW
LUBRICATION SYSTEM



20L with oil return device(75W)

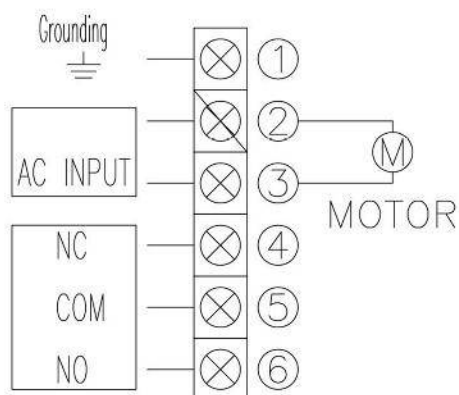
Characteristics & Dimensions

MODEL	ISH YAC-H1P1 (75-90)
Voltage (Single Phase)	110 ó 220
Consumption Power (Watts)	176 / 210
Output Power (Watts)	75 / 90
Capacity Of Terminal Output	AC 240 Volts/DC 200 Volts 0.5 Amp (Floating Switch) DC 12 Volts 3 Amp (Pressure Switch)
Lubrication Time (second/minute)	Cooperates With PLC Control System
Intermittent Time (second/minute/hour/cycle)	Cooperates With PLC Control System
Output Bore	Ø4 ó Ø6
Maximum Output Pressure Mpa (kgf/cm ²)	3.00 (30.00)
Output Volume (c.c. / min.)	600.00
Floating Switch	Included
Pressure Release Device	NOT Included
Pressure Switch (kgf/cm ²)	Included
Pressure Gauge	Included
Alarm Beeper	NOT Included
Tank Capacity (L)	8.00
Total Weight (Kg)	10.00

** Special characteristics can be applied to device by customers request.

*** All dimensions are given in millimeters.

Lubricating System Wiring Diagram ISH YAC-H1P1 (75-90)



ISHAW
LUBRICATION SYSTEM

ORDERING CODE

Order Code | YAC - H1 **P1** **020** **S** **0** - **1** **06** - **D**

Control type	Pressure monitoring	Reservoir	Reservoir material	Mounting	Oil return device	Voltage	Output bore	Output
H1 = PLC	P1 = with Null = without	008 = 8L 020 = 20L	S = Steel	B= Rear bracket S=Standing mount (20L up)	0 = without 1 = with	1 = 110V 2 = 220V	04=4mm 06=6mm	D=75W 600 c.c./min. E= 90W 600 c.c./min.



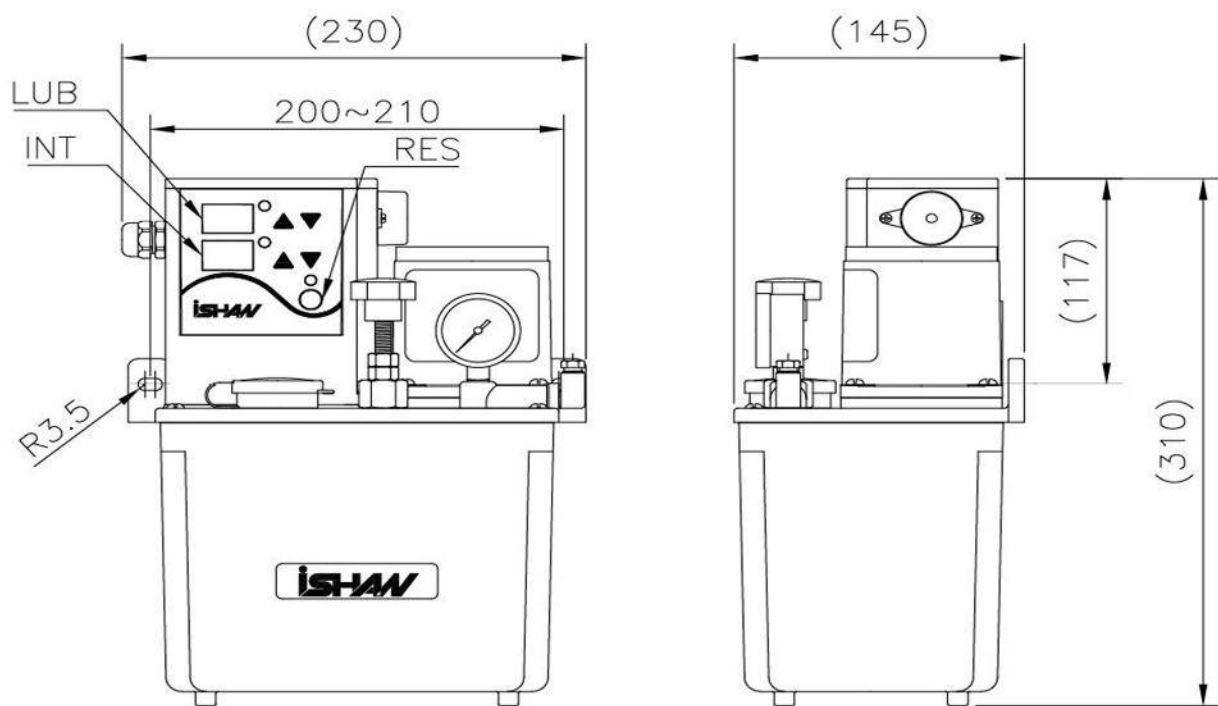
ISH YAE-A1 SERIES SM YAE-A1 SERIES

RESISTANCE
TYPE
ELECTRIC
LUBRICANT

ISH YAE-A1 SM YAE-A1

RESISTANT TYPE ELECTRIC LUBRICATOR





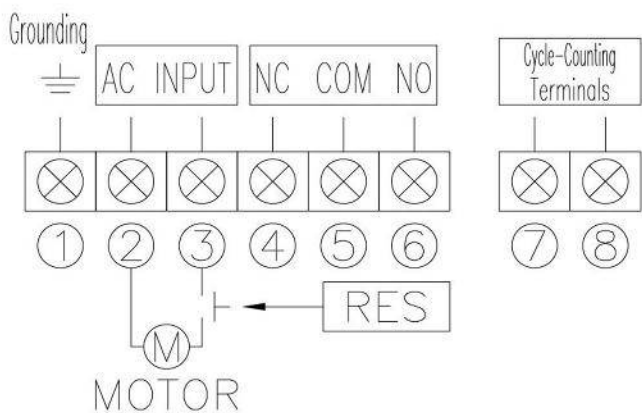
Characteristics & Dimensions

MODEL	ISH YAE-A1
Voltage (Single Phase)	110 or 220
Consumption Power (Watts)	56.00
Output Power (Watts)	25.00
Terminal Output Capacity (Amp)	0.50
Lubrication Time (second/minute)	1 - 999
Intermittent Time (second/minute/hour/cycle)	1 - 999
Output Bore	Ø4 or Ø6
Maximum Output Pressure Mpa (Kgf/cm ²)	1.00 (10.00)
Output Volume (c.c./min)	250.00 (Standard) ~ 400.00 (Optional)
Pressure Release Device	NOT Included
Floating Switch	Included
Pressure Switch	NOT Included
Pressure Gauge	Included
Alarm Beeper	Included
Tank Capacity (L)	3.00L & 4.00L (Acrylic), 4.00L (Aluminum) & 8.00L (Metal)
Total Weight (Kg)	4.20 & 4.50, 4.90 & 10.30

*** Special characteristics can be applied to device by customers request.
*** All dimensions are given in millimeters.



WIRING DIAGRAM ISH YAE-A1



ORDERING CODE

| YAE - A1
| P1
| 008
| S
| B
| 0 - 1
| 06
| D

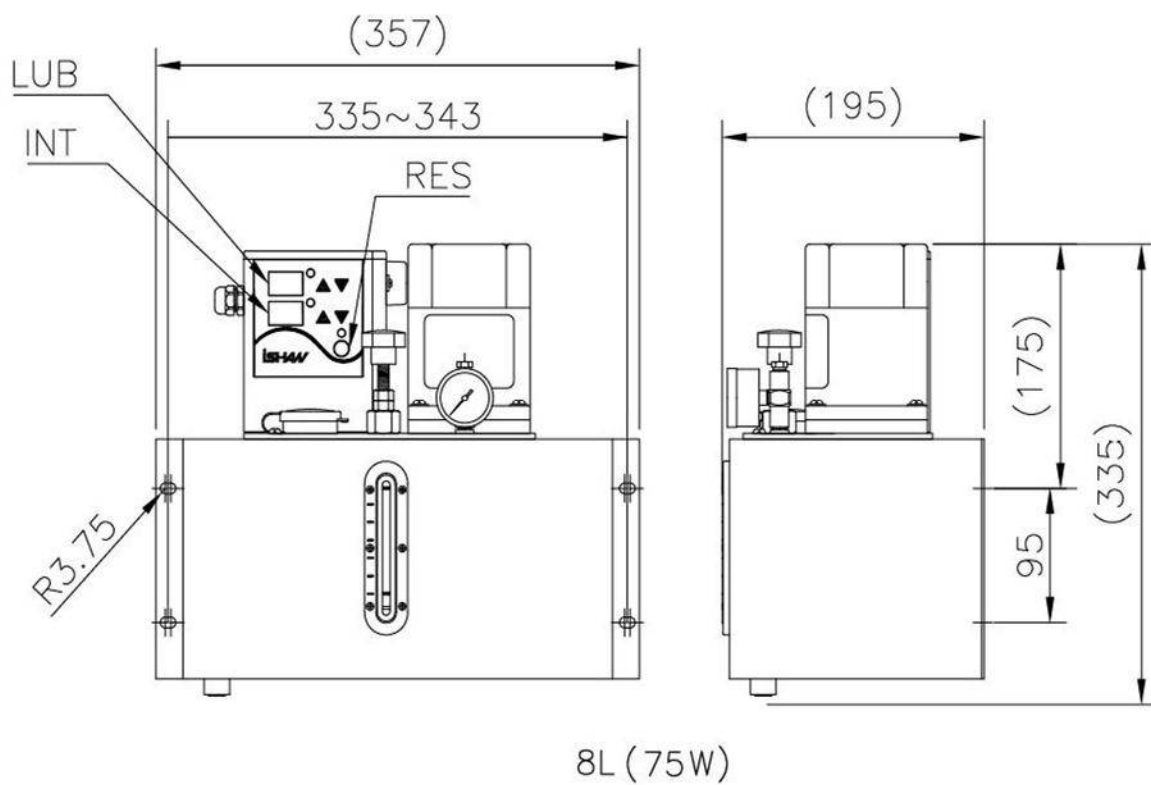
Control type	Pressure monitoring	Reservoir	Reservoir material	Mounting	Oil return device	Voltage	Output bore	Output
A1 = Digital timer	P1 = with Null = without	008 = 8L 020 = 20L	S = Steel	B= Rear bracket S=Standing mount	0 = without 1 = with	1 = 110V 2 = 220V	04 = 4mm 06 = 6mm	D = 75W 600 c.c./min. E = 90W 600 c.c./min.

ISH YAE-A1 SM YAE-A1

RESISTANT TYPE ELECTRIC LUBRICATOR

(75 Watts & 90 Watts)





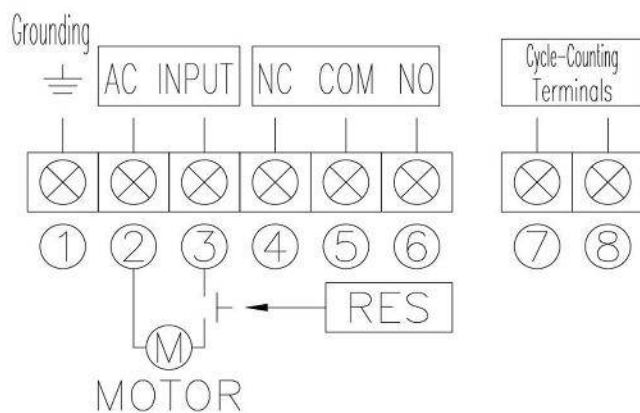


Characteristics & Dimensions

MODEL	ISH YAE-A1 (75Watts - 90Watts)
Voltage (Single Phase)	110 or 220
Consumption Power (Watts)	176 / 210
Output Power (Watts)	75 / 90
Terminal Output Capacity (Amp)	0.50
Lubrication Time (second/minute)	1 - 999
Intermittent Time (second/minute/hour/cycle)	1 - 999
Output Bore	Ø4 or Ø6
Maximum Output Pressure Mpa (Kgf/cm ²)	3.00 (30.00)
Output Volume (c.c./min)	600.00
Pressure Release Device	NOT Included
Floating Switch	Included
Pressure Switch	NOT Included
Pressure Gauge	Included
Alarm Beeper	Included
Tank Capacity (L)	8.00
Total Weight (Kg)	10.00

*** Special characteristics can be applied to device by customers request.
 **** All dimensions are given in millimeters.

WIRING DIAGRAM ISH YAE-A1 (75-90)



ORDERING CODE

| YAE - A1 **P1** **008** S **B** 0 - **1** **06** **D**

Control type	Pressure monitoring	Reservoir	Reservoir material	Mounting	Oil return device	Voltage	Output bore	Output
A1 = Digital timer	P1 = with Null = without	008 = 8L 020 = 20L	S = Steel	B= Rear bracket S=Standing mount	0 = without 1 = with	1 = 110V 2 = 220V	04 = 4mm 06 = 6mm	D = 75W 600 c.c./min. E = 90W 600 c.c./min.

ISH YAE-A1P1 SM YAE-A1P1

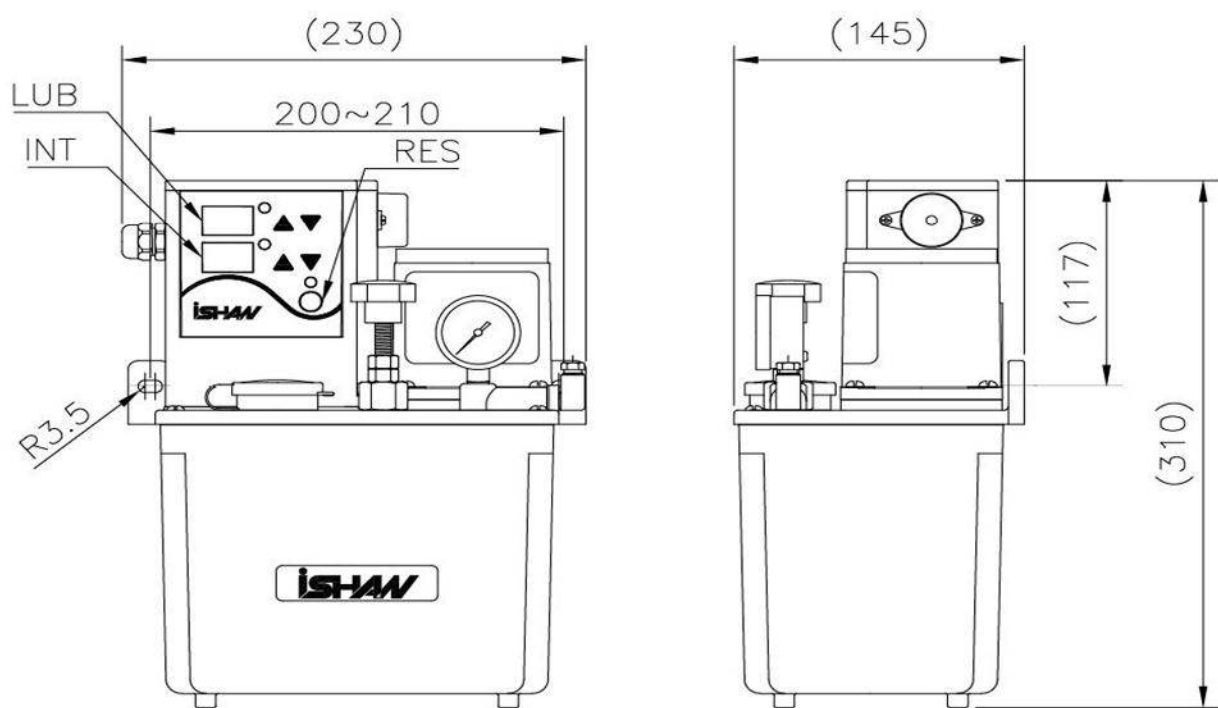
RESISTANT TYPE ELECTRIC LUBRICATOR

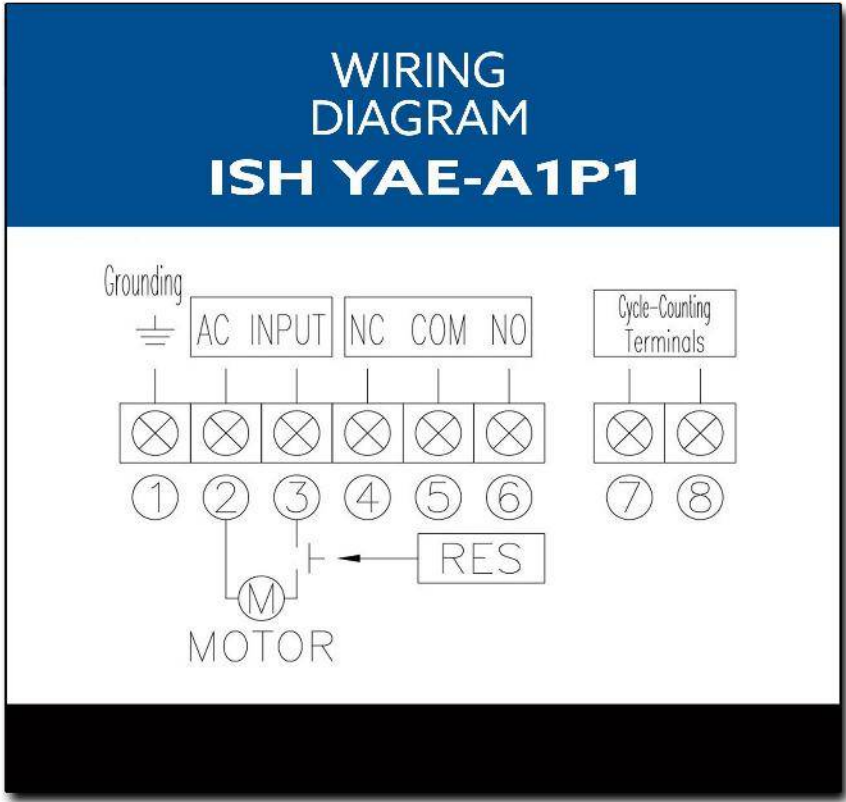


Characteristics & Dimensions

MODEL	ISH YAE-A1P1
Voltage (Single Phase)	110 or 220
Consumption Power (Watts)	56.00
Output Power (Watts)	25.00
Terminal Output Capacity (Amp)	0.50
Lubrication Time (second/minute)	1 - 999
Intermittent Time (second/minute/hour/cycle)	1 - 999
Output Bore	Ø4 or Ø6
Maximum Output Pressure Mpa (Kgf/cm ²)	1.00 (10.00)
Output Volume (c.c./min)	250.00 (Standard) ~ 400.00 (Optional)
Pressure Release Device	NOT Included
Floating Switch	Included
Pressure Switch	Included
Pressure Gauge	Included
Alarm Beeper	Included
Tank Capacity (L)	3.00L & 4.00L (Acrylic), 4.00L (Aluminum) & 8.00L (Metal)
Total Weight (Kg)	4.20 & 4.50, 4.90 & 10.30

*** Special characteristics can be applied to device by customers request.
*** All dimensions are given in millimeters.





ORDERING CODE								
YAE - A1 P1 008 S B 0 - 1 06 D								
Control type	Pressure monitoring	Reservoir	Reservoir material	Mounting	Oil return device	Voltage	Output bore	Output
A1 = Digital timer	P1 = with Null = without	008 = 8L 020 = 20L	S = Steel	B= Rear bracket S=Standing mount	0 = without 1 = with	1 = 110V 2 = 220V	04 = 4mm 06 = 6mm	D = 75W 600 c.c./min. E = 90W 600 c.c./min.

ISH YAE-A1P1 SM YAE-A1P1

RESISTANT TYPE ELECTRIC LUBRICATOR

(75 Watts & 90 Watts)



Characteristics & Dimensions

MODEL	ISH YAE-A1P1 (75Watts - 90Watts)
Voltage (Single Phase)	110 or 220
Consumption Power (Watts)	176 / 210
Output Power (Watts)	75 / 90
Terminal Output Capacity (Amp)	0.50
Lubrication Time (second/minute)	1 - 999
Intermittent Time (second/minute/hour/cycle)	1 - 999
Output Bore	Ø4 or Ø6
Maximum Output Pressure Mpa (Kgf/cm ²)	3.00 (30.00)
Output Volume (c.c./min)	600.00
Pressure Release Device	NOT Included
Floating Switch	Included
Pressure Switch	Included
Pressure Gauge	Included
Alarm Beeper	Included
Tank Capacity (L)	8.00
Total Weight (Kg)	10.00

*** Special characteristics can be applied to device by customers request.
*** All dimensions are given in millimeters.

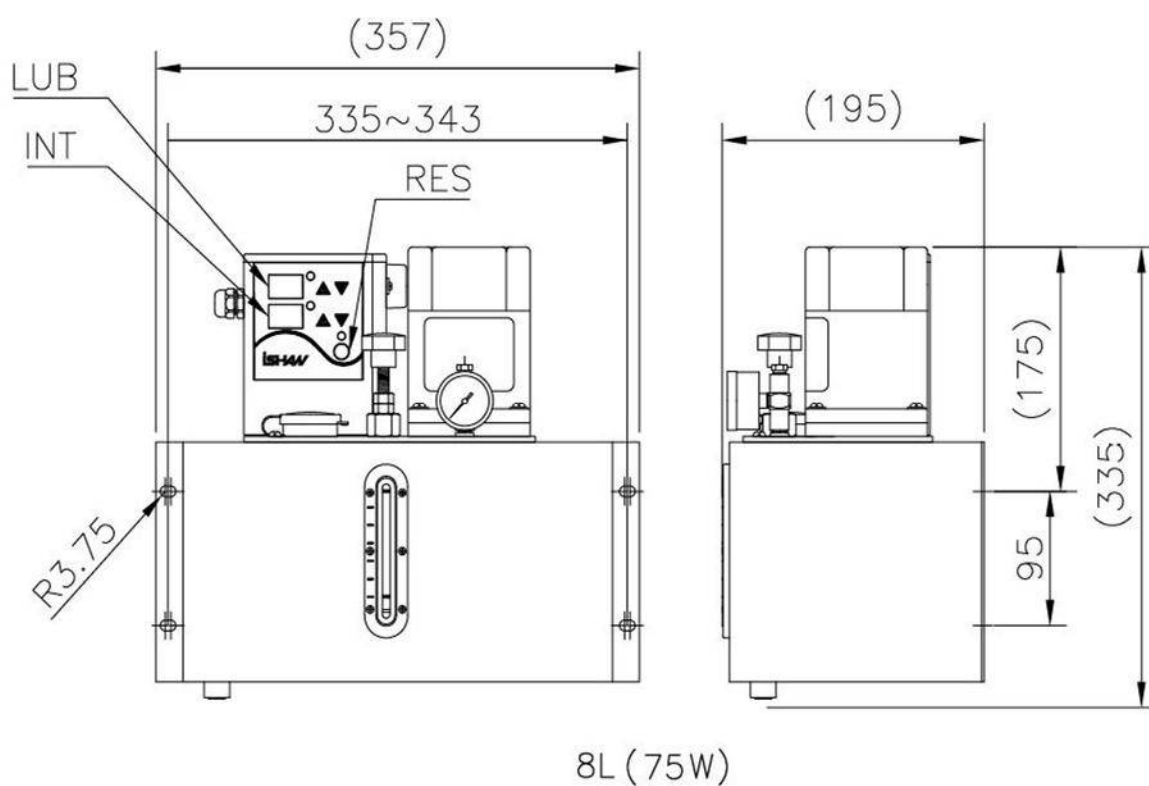
SMUS

ISHAW
LUBRICATION SYSTEM

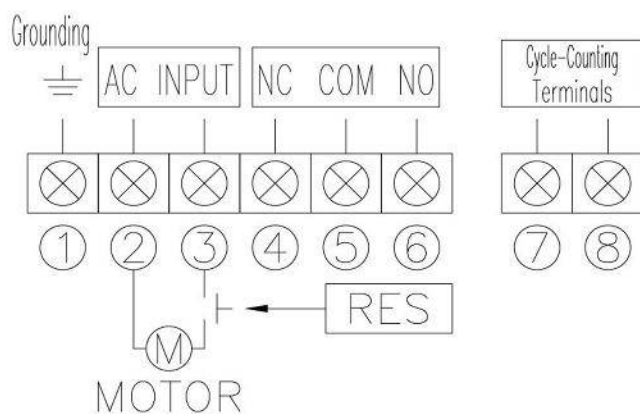
伊山精密工業股份有限公司
ISHAN PRECISION INDUSTRY, CO., LTD



ISHAW
LUBRICATION SYSTEM



WIRING DIAGRAM ISH YAE-A1P1 (75-90)



Codigo Para Ordenar

YAE - A1 P1 008 S B 0 - 1 06 D

Tipo De Control	Monitor De Presión	Deposito	Material Del Deposito	Montaje	Dispositivo De Retorno De Aceite	Voltaje	Diametro De Salida	Salida
A1 = Temporizador Digital	P1 = Incluido Ø = NO Incluido	008 = 8 Litros 020 = 20 Litros	S = Acero	B = Montura Trasera S = Montaje Sobre Base	0 = NO Incluido 1 = Incluido	1 = 110 volts 2 = 220 volts	04 = 4mm 06 = 6mm	D = 75 Watts 600 c.c./min. E = 90 Watts 600c.c./min.



ISH YAE-A2 SERIES SM YAE-A2 SERIES

VOLUMETRIC
TYPE PISTON
ELECTRIC
LUBRICANT

ISH YAE-A2 SM YAE-A2

VOLUMETRIC TYPE ELECTRIC LUBRICATOR



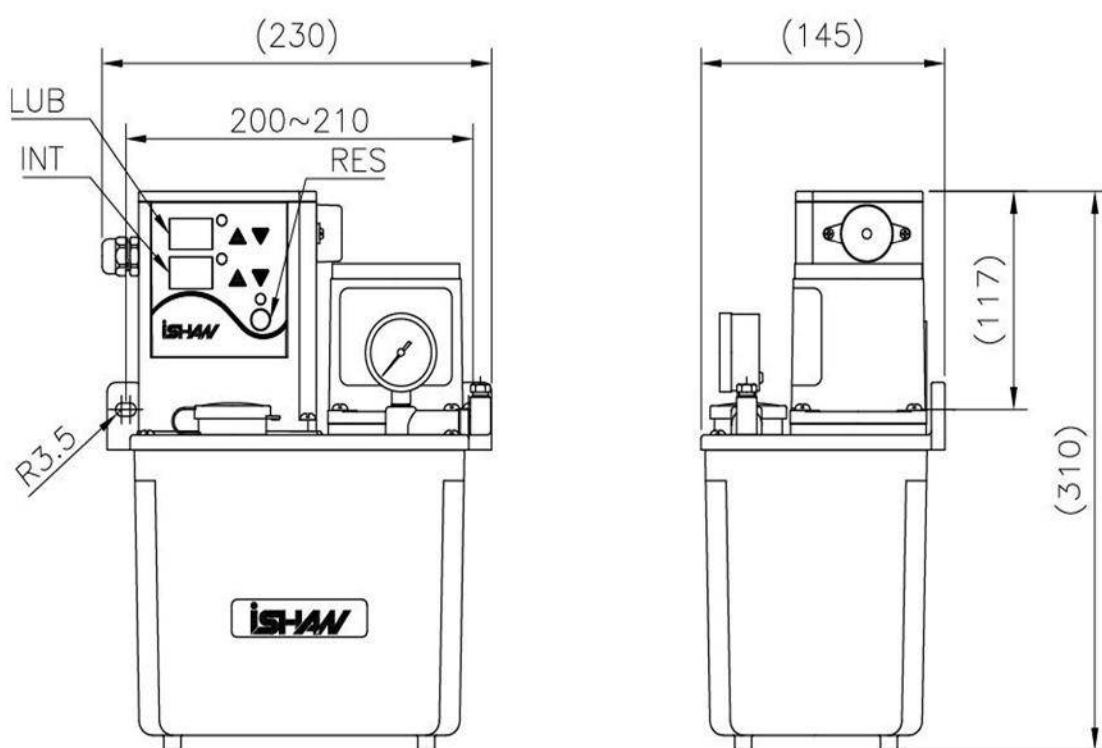
SMUS

ISHAW
LUBRICATION SYSTEM

伊山精密工業股份有限公司
ISHAN PRECISION INDUSTRY, CO., LTD



ISHAW
LUBRICATION SYSTEM

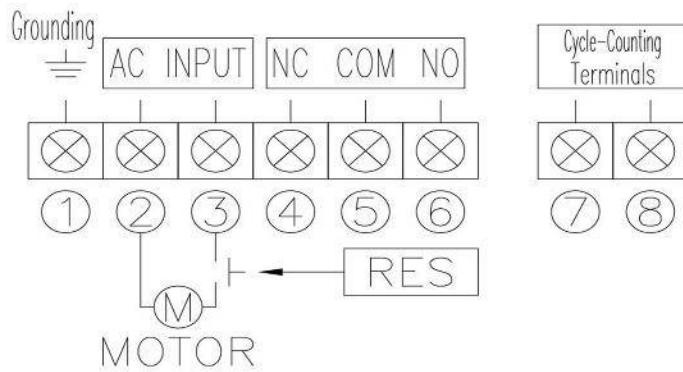


Characteristics & Dimensions

MODEL	ISH YAE-A2
Voltage (Single Phase)	110 or 220
Consumption Power (Watts)	56.00
Output Power (Watts)	25.00
Terminal Output Capacity (Amp)	0.50
Lubrication Time (second/minute)	1 - 999
Intermittent Time (second/minute/hour/cycle)	1 - 999
Output Bore	Ø4 or Ø6
Maximum Output Pressure Mpa (Kgf/cm ²)	2.00 (20.00)
Output Volume (c.c./min)	150.00
Pressure Release Device	Included
Floating Switch	Included
Pressure Switch	NOT Included
Pressure Gauge	Included
Alarm Beeper	Included
Tank Capacity (L)	2.00L & 4.00L (Acrylic), 4.00L (Aluminum) & 6.00L, 8.00L & 20.00 (Metal)
Total Weight (Kg)	4.50 & 4.80, 5.20 & 6.70, 9.40 & 18.00

*** Special characteristics can be applied to device by customers request.
**** All dimensions are given in millimeters.

WIRING DIAGRAM ISH YAE-A2



ISHAW
LUBRICATION SYSTEM

ORDERING CODE

YAE - A2 **P2** **003** **P** B 0 - **1** **06** A

Control type	Pressure switch	Reservoir	Reservoir material	Mounting	Oil return device	Voltage	Output bore	Output
A2 = Digital timer	P2 = with Null = without	003 = 3L 004 = 4L 006 = 6L 008 = 8L 008 = 8L 020 = 20L	P = Resin (3/4L) S = Steel (6L up) A = Aluminum (Only 4L)	B = Rear bracket	0 = without	1 = 110V 2 = 220V	04 = 4mm 06 = 6mm	A = 25W 150 c.c./min

ISH YAE-A2P2 SM YAE-A2P2

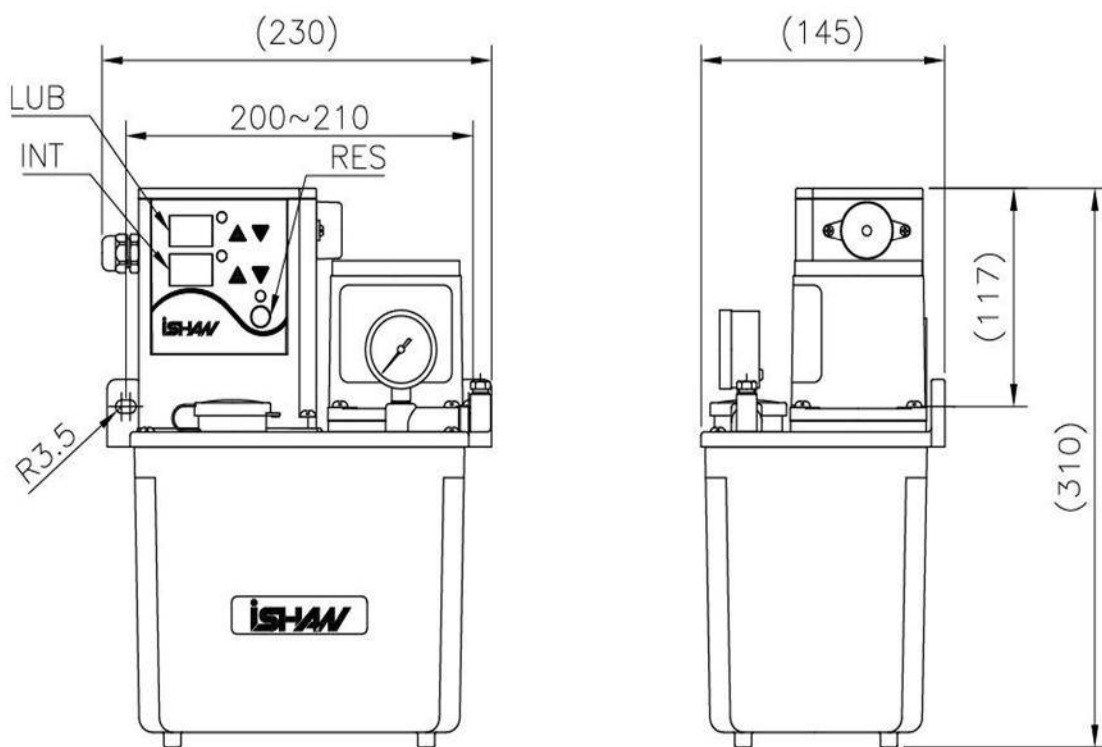
VOLUMETRIC TYPE ELECTRIC LUBRICATOR



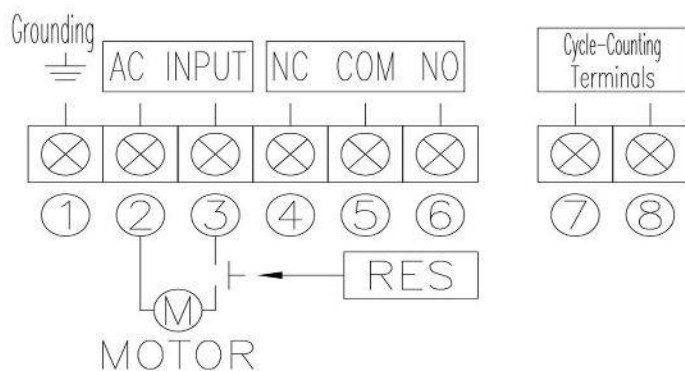
Characteristics & Dimensions

MODEL	ISH YAE-A2P2
Voltage (Single Phase)	110 or 220
Consumption Power (Watts)	56.00
Output Power (Watts)	25.00
Terminal Output Capacity (Amp)	0.50
Lubrication Time (second/minute)	1 - 999
Intermittent Time (second/minute/hour/cycle)	1 - 999
Output Bore	Ø4 or Ø6
Maximum Output Pressure Mpa (Kgf/cm ²)	2.00 (20.00)
Output Volume (c.c./min)	150.00
Pressure Release Device	Included
Floating Switch	Included
Pressure Switch	Included
Pressure Gauge	Included
Alarm Beeper	Included
Tank Capacity (L)	2.00L & 4.00L (Acrylic), 4.00L (Aluminum) & 6.00L, 8.00L & 20.00 (Metal)
Total Weight (Kg)	4.50 & 4.80, 5.20 & 6.70, 9.40 & 18.00

*** Special characteristics can be applied to device by customers request.
*** All dimensions are given in millimeters.



WIRING DIAGRAM ISH YAE-A2P2



ISHAW
LUBRICATION SYSTEM

ORDERING CODE

YAE - A2 **P2** **003** **P** B 0 - **1** **06** A

Control type	Pressure switch	Reservoir	Reservoir material	Mounting	Oil return device	Voltage	Output bore	Output
A2 = Digital timer	P2 = with Null = without	003 = 3L 004 = 4L 006 = 6L 008 = 8L 008 = 8L 020 = 20L	P = Resin (3/4L) S = Steel (6L up) A = Aluminum (Only 4L)	B= Rear bracket	0 = without	1 = 110V 2 = 220V	04 = 4mm 06 = 6mm	A = 25W 150 c.c./min



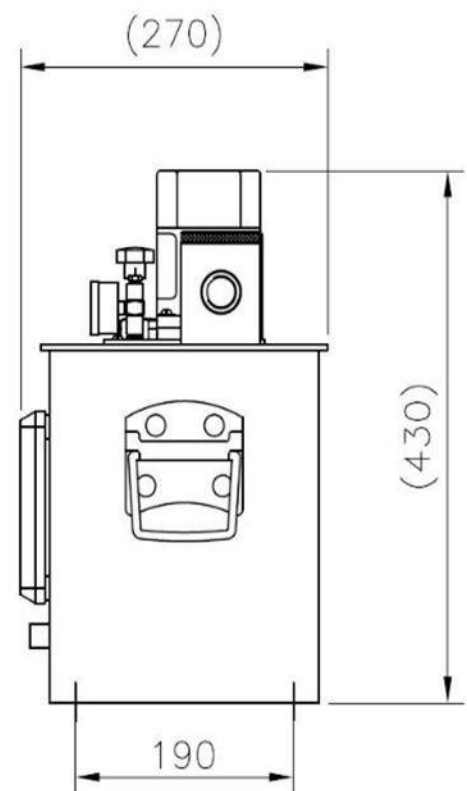
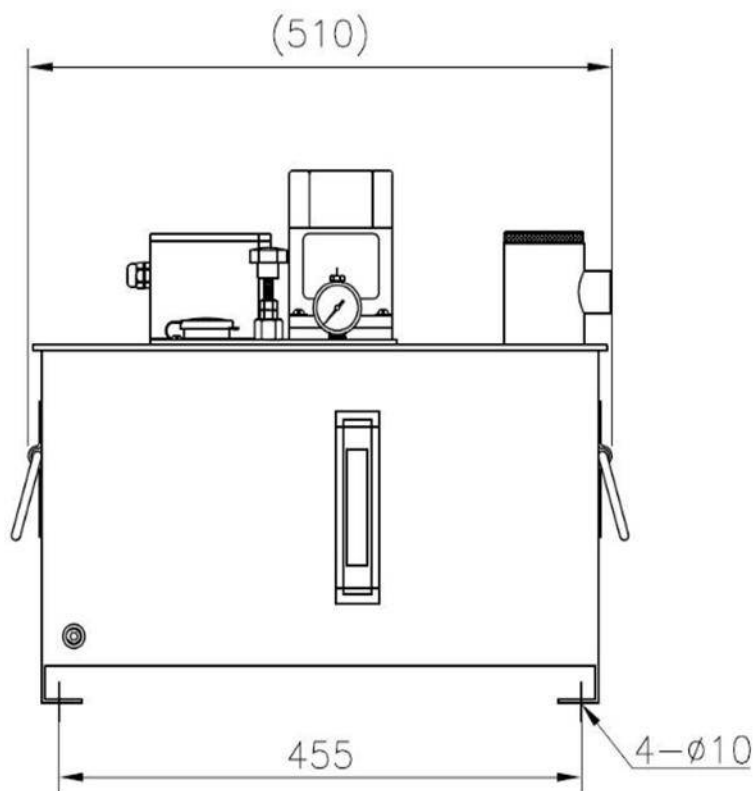
ISH YAH SERIES SM YAH SERIES

RESISTANCE
TYPE
ELECTRIC
LUBRICANT

ISH YAH SM YAH

RESISTANT ELECTRIC LUBRICATOR



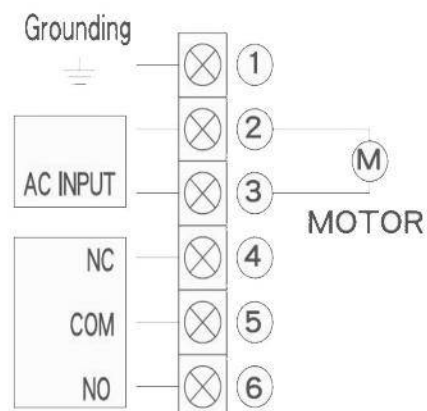


Characteristics & Dimensions

MODEL	ISH YAH-8
System Lubrication Type	<i>Resistance</i>
Distributor	<i>DB Series / DE Series / DV Series</i>
Voltage (Single Phase)	<i>110 volts/60Hz ó 220 volts/60Kz</i>
Power Consumption (watts)	<i>210.00</i>
Output Power (watts)	<i>90.00</i>
Capacity Of Terminal Output	<i>0.50A 240Vac/200Vdc (Floating Switch) 3A (Pressure Switch)</i>
Lubrication Time (Second/Minute)	<i>Cooperate With PLC Control System</i>
Intermittent Time (Second/Minute/Hour/Cycle)	<i>Cooperate With PLC Control System</i>
Output Bore	<i>Ø4 Ø6</i>
Maximum Output Pressure Mpa (Kgf/cm ²)	<i>3.00 (30.00)</i>
Output Volume (cc/min)	<i>600.00</i>
Floating Switch	<i>O</i>
Pressure Release Devices	<i>X (Optional)</i>
Pressure Switch Kgf/cm ²	<i>X (Optional)</i>
Pressure Gauge	<i>O</i>
Alarm Beeper	<i>X</i>
Tank Capacity (Liters)	<i>8.00</i>
System Total Weight (Kg)	<i>9.50</i>
Tank Material	<i>Steel</i>

*** All dimensions are given in millimeters.

WIRING DIAGRAM ISH YAH





ISH YAK SERIES SM YAK SERIES

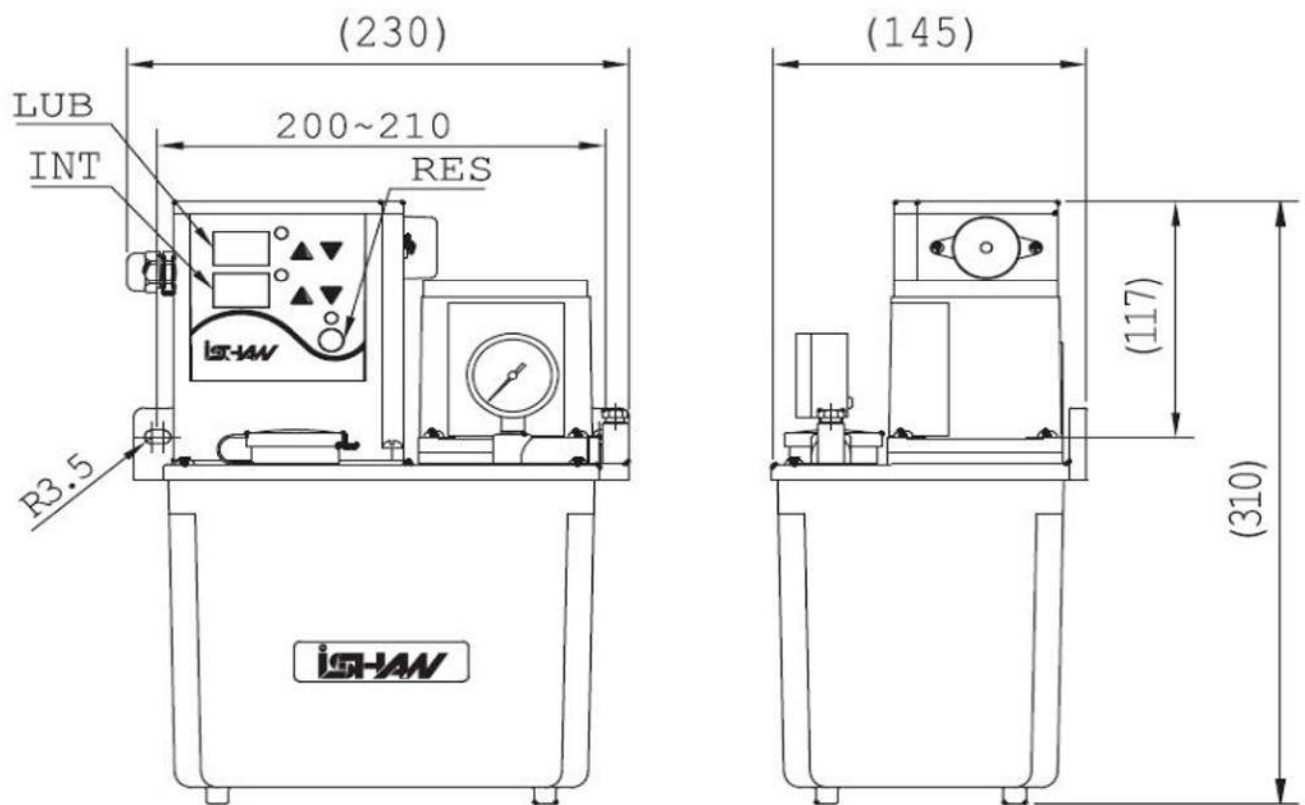
VOLUMETRIC
TYPE
ELECTRIC
LUBRICANT

ISH YAK SM YAK



VOLUMETRIC TYPE ELECTRIC LUBRICATOR





Characteristics & Dimensions

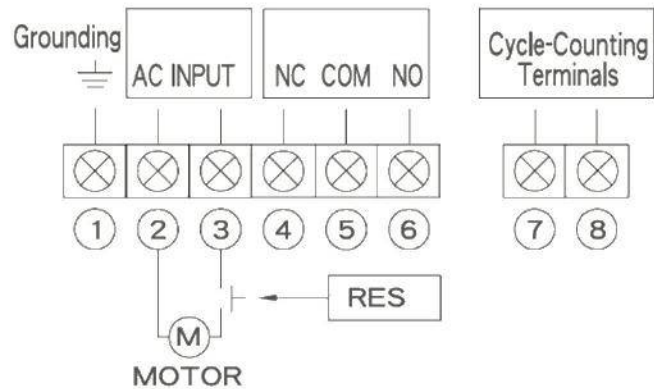
Model	ISH YAK	
Type Of Lubrication System	<i>Piston</i>	
Distributor	<i>DT Series or DX Series</i>	
Voltage (Single Phase)	<i>110 volts/60Hz</i>	
Power Consumption (Watts)	<i>56.00</i>	
Output Power (Watts)	<i>25.00</i>	
Output Terminal Capacity	<i>DC / AC 250 volts/3A</i>	
Lubrication Period (Second/Minute)	<i>1-999</i>	
Intermittent Time (Second/Minute/Hour/Cycle)	<i>1-999</i>	
Outlet Diameter	<i>Ø4 Ø6</i>	
Maximum Outlet Pressure (Mpa(Kgf/cm2))	<i>2.00 (20.00)</i>	
Outlet Volume (cc/min)	<i>150.00</i>	
Pressure Released By The System	■	
Float System	■	
Pressure Switch (Kgf/cm2)	<i>X (Optional)</i>	
Pressure Gauge	■	
Sound Alarm	■	
Oil Tank Capacity (Liters)	<i>3.00</i>	<i>4.00</i>
Total System Weight (Kg)	<i>3.50</i>	<i>5.20</i>
Oil Tank Material	<i>Acrylic</i>	<i>Aluminum</i>

** The flow should be multiplied by the serial number sequence.

*** More models available for selection, please ask.

**** All dimensions are given in millimeters.

Lubrication System Wiring Diagram **ISH YAC-B2**





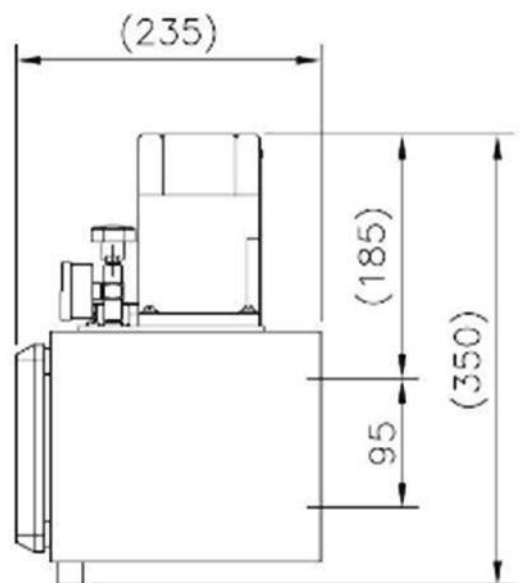
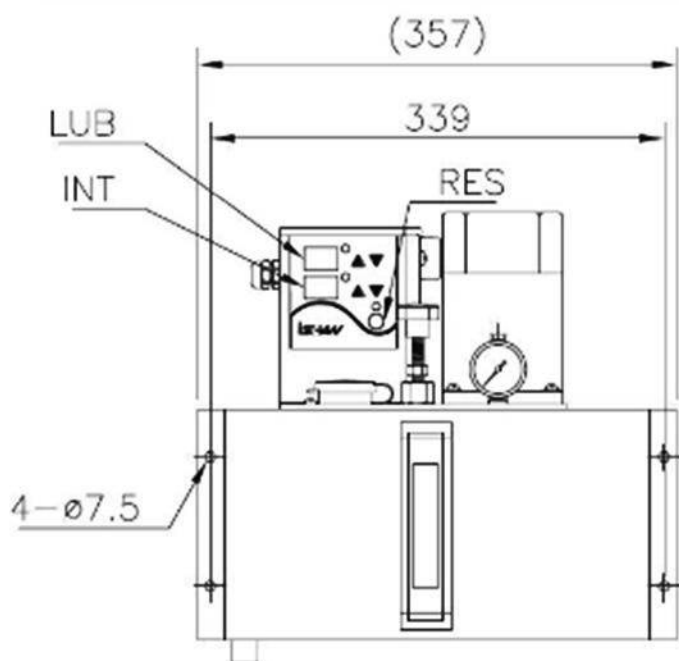
ISH YAP SERIES SM YAP SERIES

VOLUMETRIC
TYPE
ELECTRIC
LUBRICANT

ISH YAP SM YAP

RESISTANCE ELECTRIC LUBRICATOR

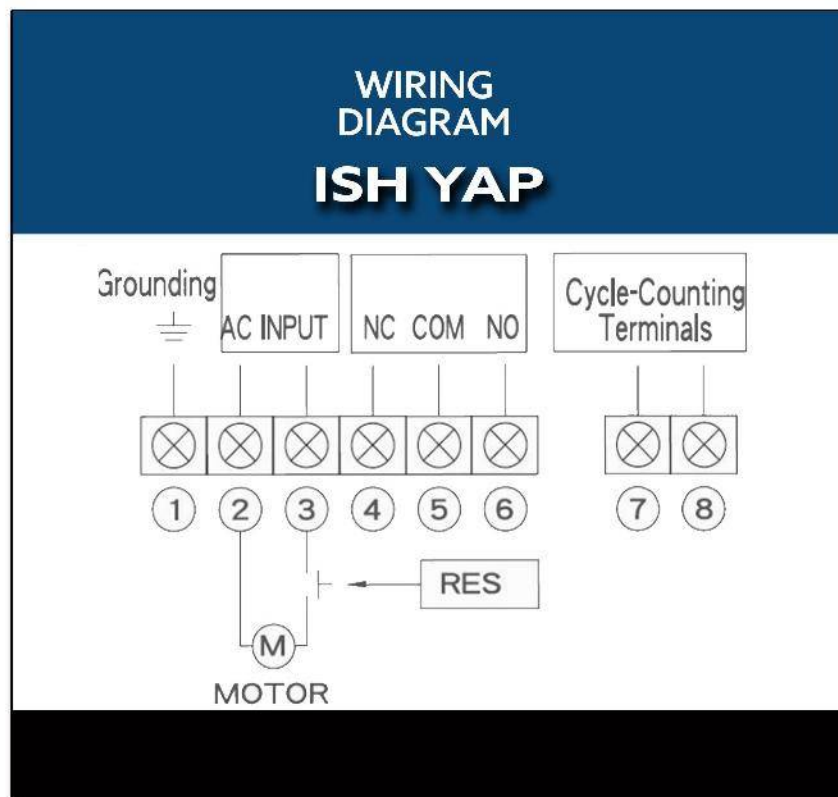




Characteristics & Dimensions

MODEL	ISH YAP-8
System Lubrication Type	<i>Resistance</i>
Distributor	<i>DB Series / DE Series / DV Series</i>
Voltage (Single Phase)	<i>110 volts/60Hz ó 220 volts/60Kz</i>
Power Consumption (watts)	<i>210.00</i>
Output Power (watts)	<i>90.00</i>
Capacity Of Terminal Output	<i>DV/AC 250V 3A</i>
Lubrication Time (Second/Minute)	<i>1 ~ 999</i>
Intermittent Time (Second/Minute/Hour/Cycle)	<i>1 ~ 999</i>
Output Bore	<i>Ø4 Ø6</i>
Maximum Output Pressure Mpa (Kgf/cm ²)	<i>3.00 (30.00)</i>
Output Volume (cc/min)	<i>600.00</i>
Floating Switch	<i>O</i>
Pressure Release Devices	<i>X (Optional)</i>
Pressure Switch Kgf/cm ²	<i>X (Optional)</i>
Pressure Gauge	<i>O</i>
Alarm Beeper	<i>O</i>
Tank Capacity (Liters)	<i>8.00</i>
System Total Weight (Kg)	<i>10.00</i>
Tank Material	<i>Steel</i>

*** All dimensions are given in millimeters.





ISH YEL-C SERIES SM YEL-C SERIES

FIXED FLOW
ELECTRO MAGNETIC
PUMP

ISH YEL-C SM YEL-C

FIXED FLOW ELECTRO MAGNETIC





Characteristics & Dimensions

MODEL	YEL - C
Power Consumption	13.00
Voltage In One Phase (Volts)	110.00 Volts o 220.00 Volts
Suction (M)	1 - 15
Outlet Maximum Presure (Kgf/cm ²)	1.00
Output Volume At 68 cSt (L/H)	6.00
Output Volume At 150 cSt (L/H)	3.00
Function	Fixed Flow

*** All dimensions are given in millimeters.



ISH YEL-D SERIES SM YEL-D SERIES

ELECTRO MAGNETIC
PUMP WITH
ADJUSTABLE FLOW

ISH YEL-D SM YEL-D

VARIABLE FLOW ELECTRO MAGNETIC





Characteristics & Dimensions

MODEL	YEL - D
Power Consumption	13.00
Voltage In One Phase (Volts)	110.00 Volts o 220.00 Volts
Suction (M)	1 - 15
Outlet Maximum Presure (Kgf/cm ²)	1.00
Output Volume At 68 cSt (L/H)	6.00
Output Volume At 150 cSt (L/H)	3.00
Function	Adjustable Flow

*** All dimensions are given in millimeters.



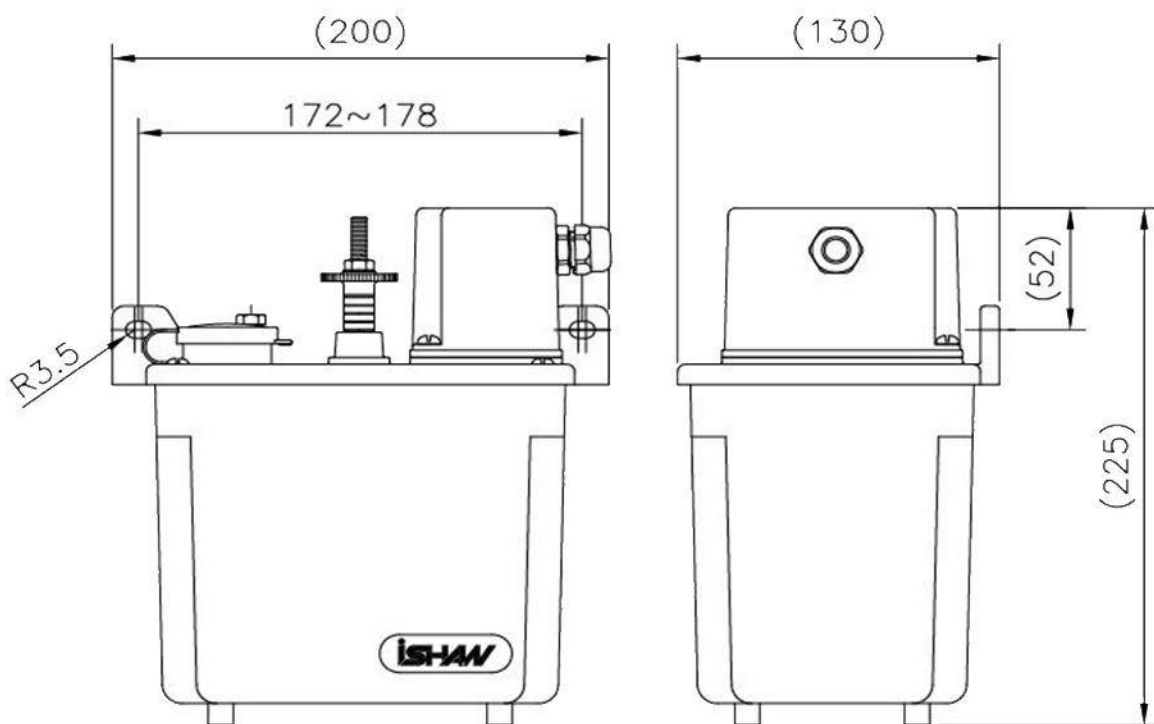
ISH YESA SERIES SM YESA SERIES

AUTOMATIC LUBRICATOR

ISH YESA SM YESA

AUTOMATIC LUBRICATOR



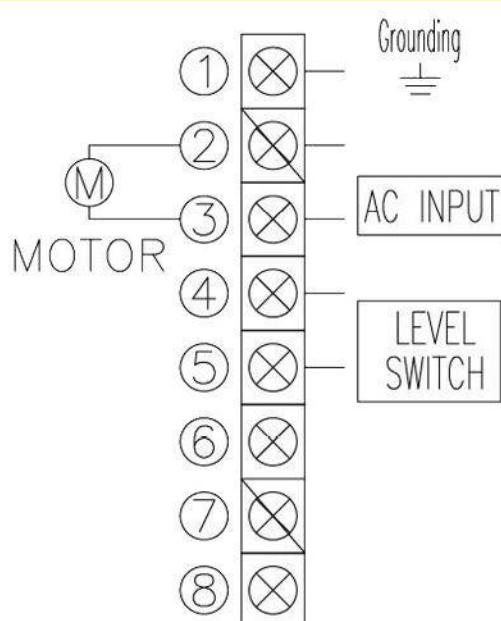




Characteristics & Dimensions

MODEL	ISH YESA
Intermittent Time (minutes)	3, 5, 10, 15, 30 & 60 (Without Adjustment)
Voltage (Single Phase)	110 Volts - 220 Volts
Power Consumption (W)	5.00
Capacity Of Terminal Tank	-
Output Bore	Ø4 - Ø6
Floating Switch	-
Discharge Pressure Mpa(Kgf/cm ²)	0.30 (3.00)
Output Volume (c.c./cycle)	3.00 ~ 6.00
Tank Capacity (Liters)	2.00
* Complies with CE (Conformité Européenne) ** Floating Switch is optional. *** Intermittent Time is to be determined by customer. **** All dimensions are given in millimeters.	

WIRING DIAGRAMS ISH YESA & ISH YESB SYSTEMS





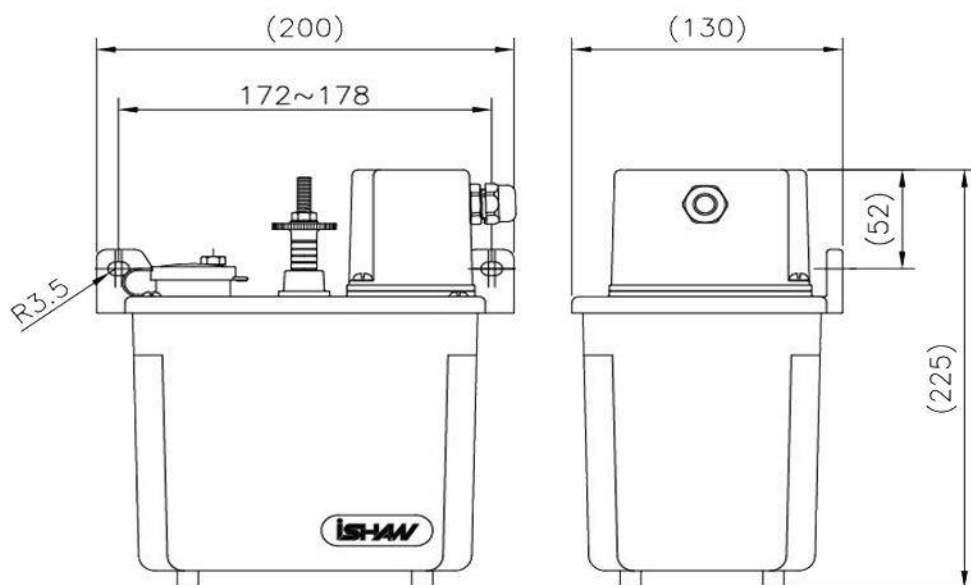
ISH YESB SERIES SM YESB SERIES

AUTOMATIC LUBRICATOR

ISH YESB
SM YESB

MANUAL LUBRICATOR





Characteristics & Dimensions

MODEL	ISH YESB
Intermittent Time (minutes)	3, 5, 10, 15, 30 & 60 (Without Adjustment)
Voltage (Single Phase)	110 Volts o 220 Volts
Power Consumption (W)	5.00
Capacity Of Terminal Tank	AC 240 V DC 200V 0.50Amp (Floating Switch)
Output Bore	Ø4 o Ø6
Floating Switch	Included
Discharge Pressure Mpa(Kgf/cm ²)	0.30 (3.00)
Output Volume (c.c./cicle)	3.00 ~ 6.00
Tank Capacity (Liters)	2.00

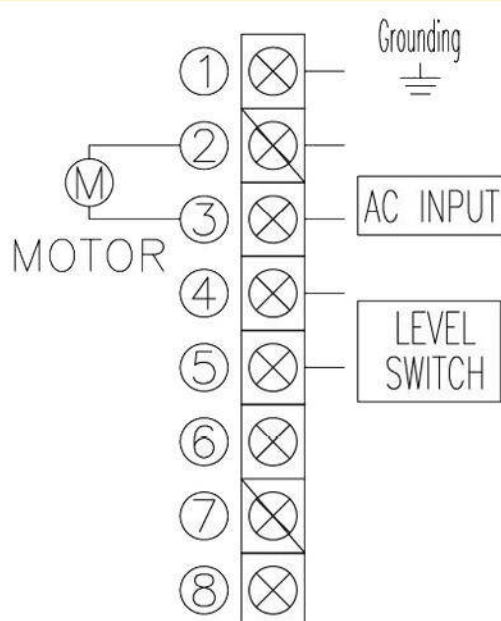
* Complies with **CE** (Conformité Européenne)

** Floating Switch is optional.

*** Intermittent Time is to be determined by customer.

**** All dimensions are given in millimeters.

WIRING DIAGRAMS ISH YESA & ISH YESB SYSTEMS





ISH YET-A1 SERIES SM YET-A1 SERIES

RESISTANCE
TYPE
ELECTRICAL
LUBRICANT

ISH YET-A1 SM YET-A1

RESISTANCE TYPE ELECTRIC LUBRICATOR



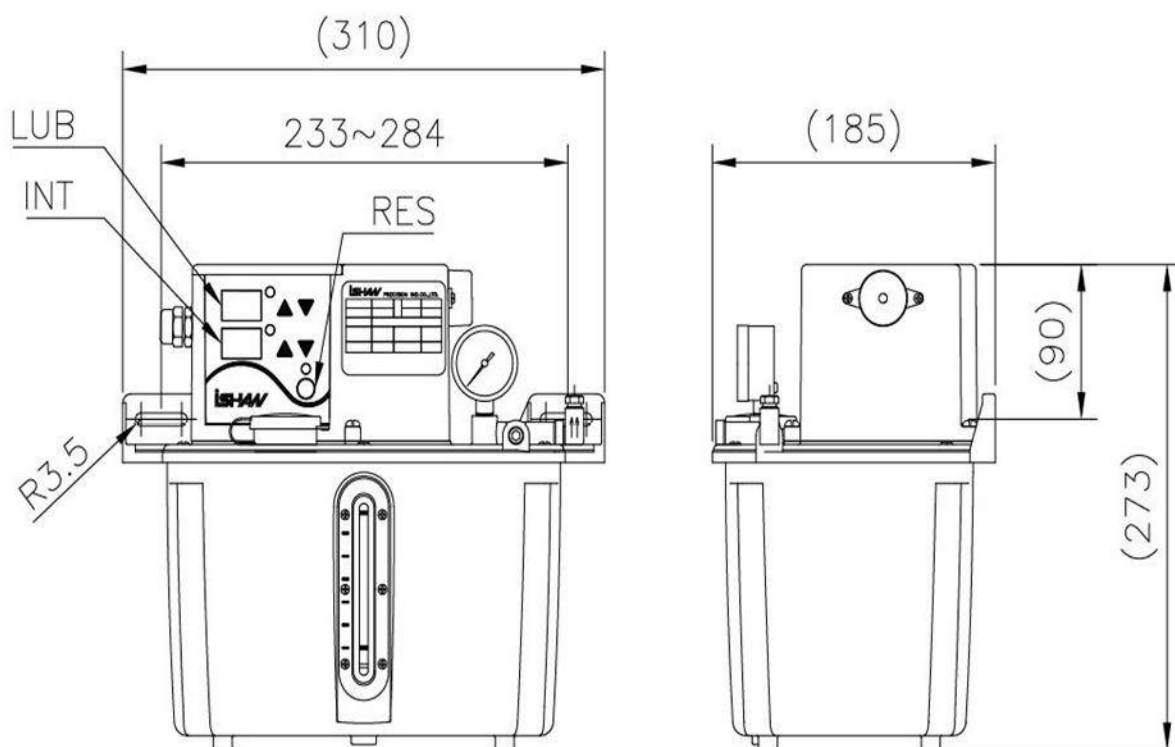
SMUS

ISHAW
LUBRICATION SYSTEM

伊山精密工業股份有限公司
ISHAN PRECISION INDUSTRY, CO., LTD



ISHAW
LUBRICATION SYSTEM

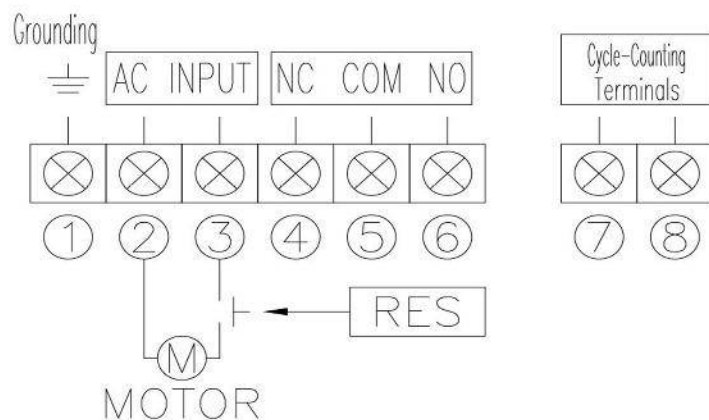


Characteristics & Dimensions

MODEL	ISH YET-A1
Voltage (Single Phase)	110 or 220
Consumption Power (watts)	78.00
Output Power (Watts)	11.00
Terminal Output Capacity	0.50
Lubrication Time (second/minute)	1 - 999
Intermittence Time (second/minute/hour/cycle)	1 - 999
Output Bore	Ø4 or Ø6
Maximum Output Pressure MPa (Kgf/cm ²)	0.70 (7.00)
Output Volume (c.c./minute)	200.00
Pressure release Device	NOT Included
Floating Switch	Included
Pressure Switch (Kgf/cm ²)	NOT Included
Pressure Gauge	Included
Alarm Beeper	Included
Tank Capacity (L)	2, 3 & 4 (Acrylic), 4 (Aluminum)
Total Weight (Kg)	2.70, 2.90 & 3.30, 3.70

** Special products can be manufactured under customer order.
*** All dimensions are given in millimeters.

WIRING DIAGRAM ISH YET-A1



ISHAW
LUBRICATION SYSTEM

ORDERING CODE

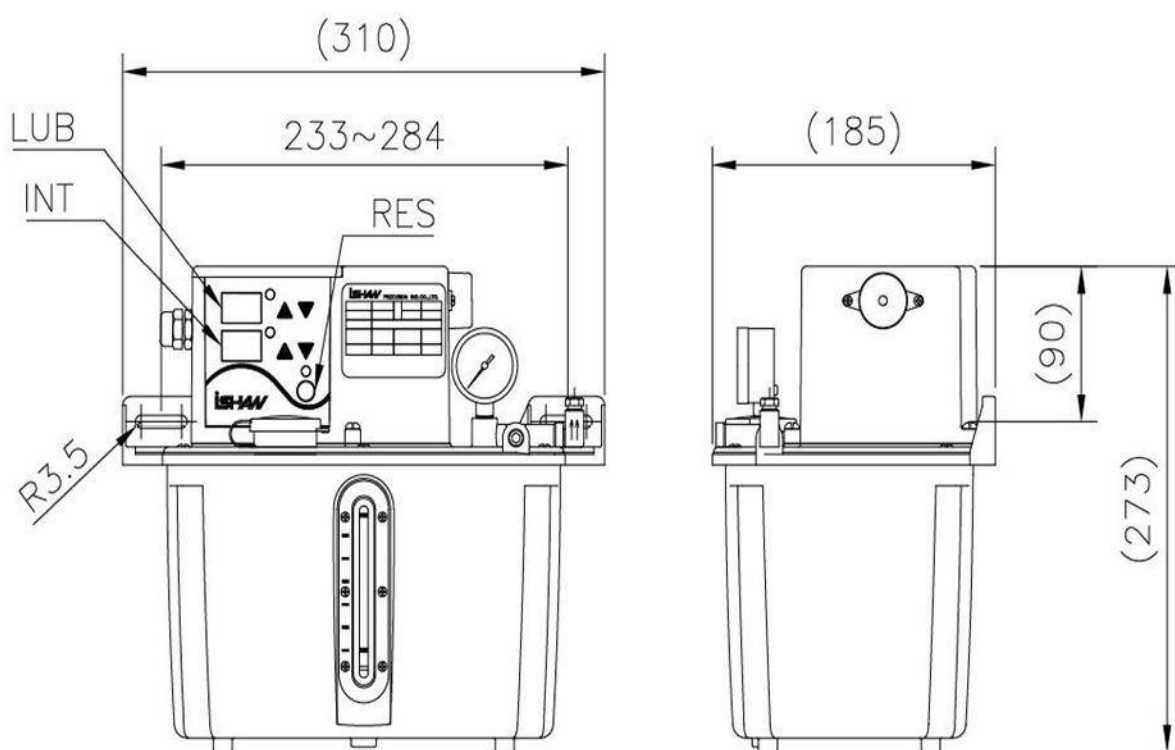
YET - A1 **P1** **004** **A** B 0 - **1** **06**

Control type	Pressure monitoring	Reservoir	Reservoir material	Mounting	Oil return device	Voltage	Output bore
A1 = Digital timer	P1 = with Null = without	002 = 2L 003 = 3L 004 = 4L 006 = 6L 008 = 8L	P = Resin (2/3/4L) S = Steel (6L up) A = Aluminum (Only 4L)	B = Rear bracket	0 = without	1 = 110V 2 = 220V	04 = 4mm 06 = 6mm

ISH YET-A1P1 SM YET-A1P1

RESISTANCE TYPE ELECTRIC LUBRICATOR

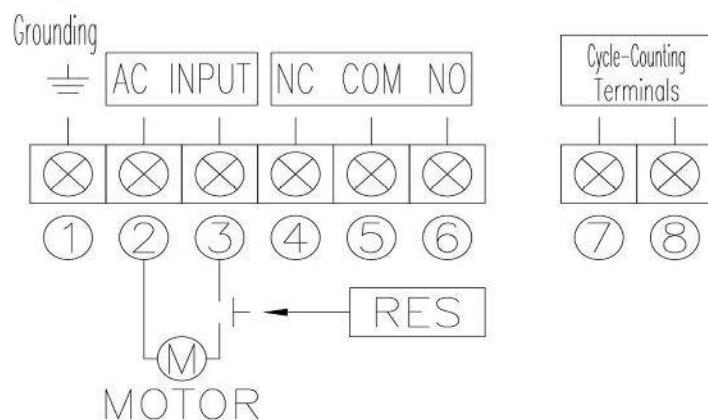




Characteristics & Dimensions

MODEL	ISH YET-A1P1
Voltage (Single Phase)	110 or 220
Consumption Power (watts)	78.00
Output Power (Watts)	11.00
Terminal Output Capacity	0.50
Lubrication Time (second/minute)	1 - 999
Intermittence Time (second/minute/hour/cycle)	1 - 999
Output Bore	Ø4 or Ø6
Maximum Output Pressure MPa (Kgf/cm ²)	0.70 (7.00)
Output Volume (c.c./minute)	200.00
Pressure release Device	NOT Included
Floating Switch	Included
Pressure Switch (Kgf/cm ²)	Included
Pressure Gauge	Included
Alarm Beeper	Included
Tank Capacity (L)	2, 3 & 4 (Acrylic), 4 (Aluminum)
Total Weight (Kg)	2.70, 2.90 & 3.30, 3.70
** Special products can be manufactured under customer order. *** All dimensions are given in millimeters.	

WIRING DIAGRAM ISH YET-A1P1



ORDERING CODE

YET - A1 **P1** **004** **A** B 0 - **1** **06**

Control type	Pressure monitoring	Reservoir	Reservoir material	Mounting	Oil return device	Voltage	Output bore
A1 = Digital timer	P1 = with Null = without	002 = 2L 003 = 3L 004 = 4L 006 = 6L 008 = 8L	P = Resin (2/3/4L) S = Steel (6L up) A = Aluminum (Only 4L)	B= Rear bracket	0 = without	1 = 110V 2 = 220V	04 = 4mm 06 = 6mm



ISH YET-A2 SERIES SM YET-A2 SERIES

VOLUMETRIC TYPE
ELECTRIC
PISTON
LUBRICANT

ISH YET-A2 SM YET-A2

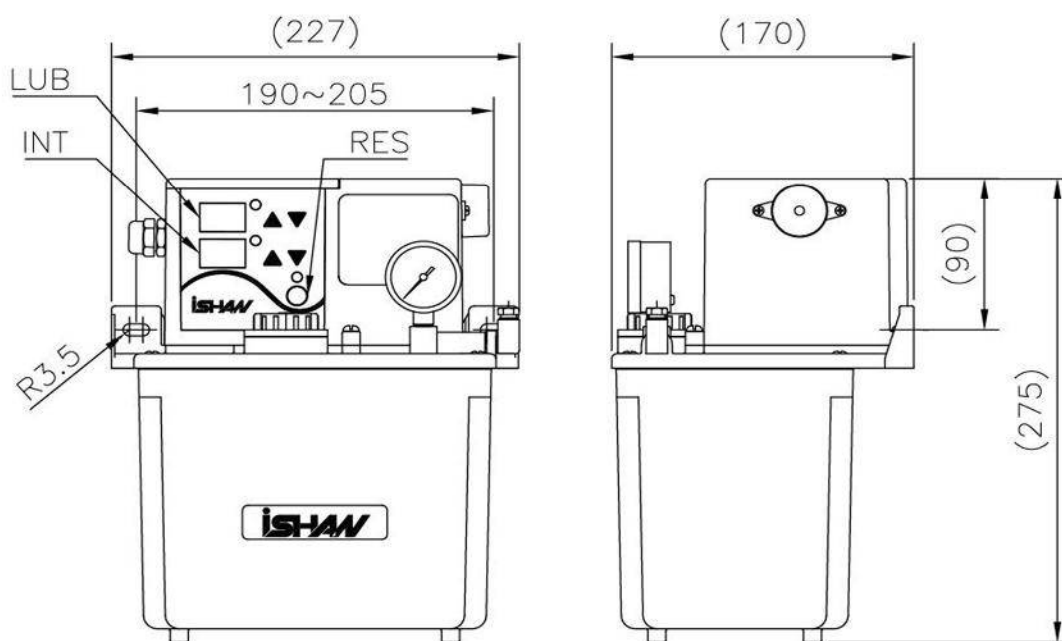
VOLUMETRIC TYPE PISTON ELECTRIC LUBRICATOR



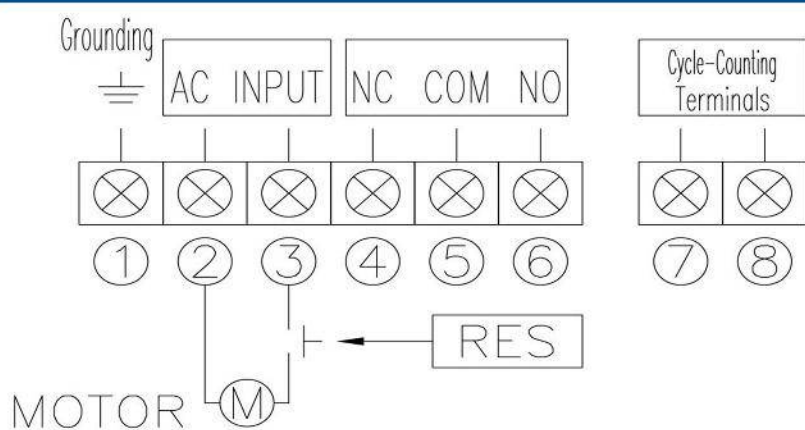
Characteristics & Dimensions

MODEL	ISH YET-A2
Voltage (Single Phase)	110 Volts or 220 Volts
Consumption Power (watts)	78.00
Output Power (Watts)	11.00
Terminal Output Capacity	0.50
Lubrication Time (second/minute)	1-999
Intermittence Time (second/minute/hour/cycle)	1-999
Output Bore	Ø4 6 Ø6
Maximum Output Pressure MPa (Kgf/cm ²)	1.50 (15.00)
Output Volume (c.c./minute)	150.00
Pressure Release Device	Included
Floating Switch	Included
Pressure Switch (Kgf/cm ²)	NOT Included
Pressure Gauge	Included
Alarm Beeper	Included
Tank Capacity (L)	2, 3 & 4
Total Weight (kg)	2.70, 2.90 & 3.30

*** Special characteristics can be applied to device by customers request.
*** All dimensions are given in millimeters.



WIRING DIAGRAM ISH YET-A2



ORDERING CODE

YET - A2 **P2** **003** **P** B 0 - **1** **06**

Control type

A2 = Digital timer

Pressure swith

P2 = with
Null = without

Reservoir

002 = 2L
003 = 3L
004 = 4L
006 = 6L
008 = 8L

Reservoir material

P = Resin (2/3/4L)
S = Steel (6L up)
A = Aluminum
(Only 4L)

Mounting

B= Rear
bracket

Oil return device

0 = without

Voltage

1 = 110V
2 = 220V

Output bore

04 = 4mm
06 = 6mm

ISH YET-A2P2 SM YET-A2P2

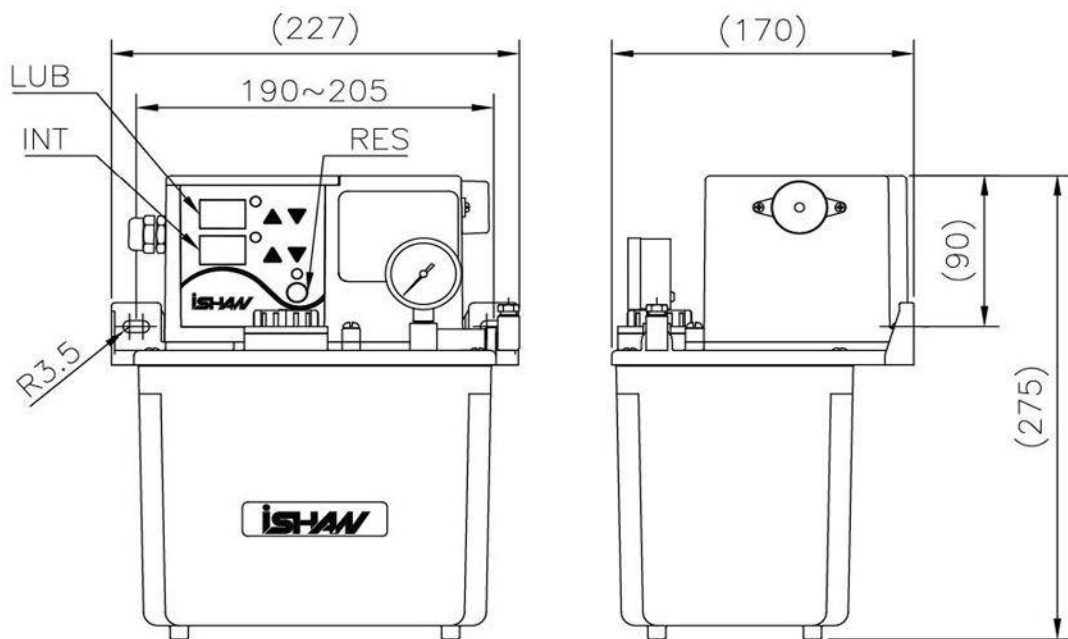
VOLUMETRIC TYPE PISTON ELECTRIC LUBRICATOR



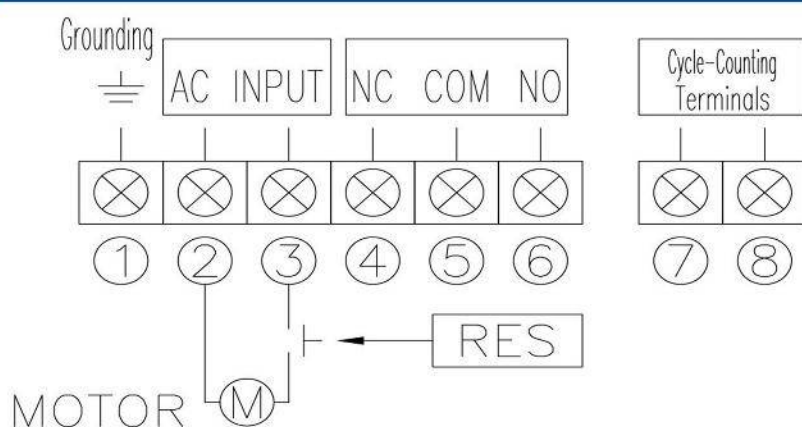
Characteristics & Dimensions

MODEL	ISH YET-A2P2
Voltage (Single Phase)	110 Volts or 220 Volts
Consumption Power (watts)	78.00
Output Power (Watts)	11.00
Terminal Output Capacity	0.50
Lubrication Time (second/minute)	1-999
Intermittence Time (second/minute/hour/cycle)	1-999
Output Bore	Ø4 6 Ø6
Maximum Output Pressure MPa (Kgf/cm ²)	1.50 (15.00)
Output Volume (c.c./minute)	150.00
Pressure Release Device	Included
Floating Switch	Included
Pressure Switch (Kgf/cm ²)	12.00 ~ 9.00
Pressure Gauge	Included
Alarm Beeper	Included
Tank Capacity (L)	2, 3 & 4
Total Weight (kg)	2.70, 2.90 & 3.30

*** Special characteristics can be applied to device by customers request.
*** All dimensions are given in millimeters.



WIRING DIAGRAM ISH YET-A2P2



ORDERING CODE

YET - A2 **P2** **003** **P** B 0 - **1** **06**

Control type
A2 = Digital timer

P2 Pressure swith
P2 = with
Null = without

003 Reservoir
002 = 2L
003 = 3L
004 = 4L
006 = 6L
008 = 8L

P Reservoir material
P = Resin (2/3/4L)
S = Steel (6L up)
A = Aluminum
(Only 4L)

Mounting
B= Rear
bracket

Oil return device
0 = without

1 Voltage
1 = 110V
2 = 220V

06 Output bore
04 = 4mm
06 = 6mm



ISH YET-C1 SERIES SM YET-C1 SERIES

RESISTANCE
TYPE
ELECTRICAL
LUBRICANT

ISH YET-C1 SM YET-C1

RESISTANCE TYPE ELECTRIC LUBRICATION



Characteristics & Dimensions

Model	ISH YET-C1
Voltage (Single Phase)	110 or 220
Consumption Power (watts)	64.00
Output Power (Watts)	8.00
Terminal Output Capacity	AC 240V/DC 200V 0.50 Amp (Floating Switch) DC 12V 3 Amp (Pressure Switch)
Lubrication Time (second/minute)	In Cooperation With PLC Control System
Intermittence Time (second/minute/hour/cycle)	In Cooperation With PLC Control System
Output Bore	Ø4 or Ø6
Maximum Output Pressure MPa (Kgf/cm ²)	0.60 (6.00)
Output Volume (c.c./minute)	200.00
Pressure release Device	NOT Included
Floating Switch	Included
Pressure Switch (Kgf/cm ²)	NOT Included
Pressure Gauge	Included
Alarm Beeper	NOT Included
Tank Capacity (L)	2L, 3L & 4L (Resin), 4L (Aluminum)
Total Weight (Kg)	2.60, 2.90 & 3.20 3.60

** Special products can be manufactured under customer order.

*** All dimensions are given in millimeters.

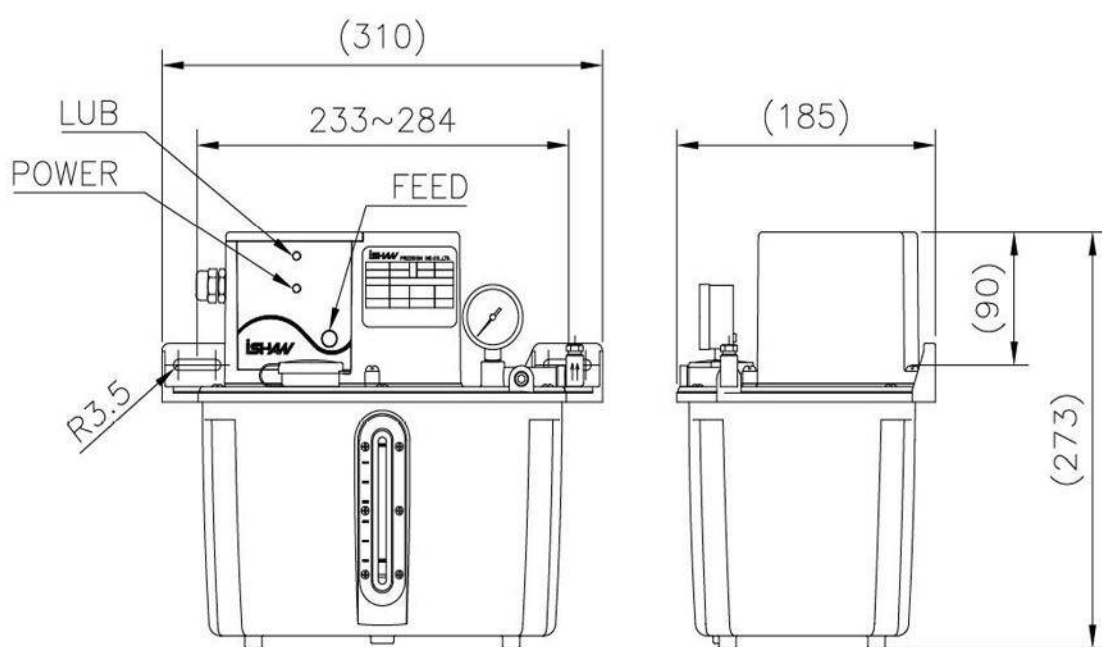
SMUS

ISHAW
LUBRICATION SYSTEM

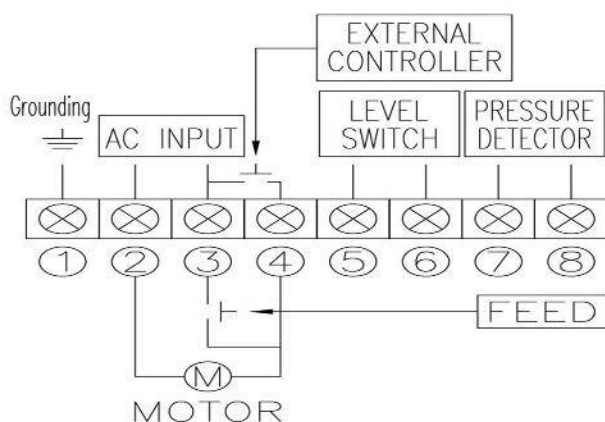
伊山精密工業股份有限公司
ISHAN PRECISION INDUSTRY, CO., LTD



ISHAW
LUBRICATION SYSTEM



WIRING DIAGRAM ISH YET-C1



ISHAW
LUBRICATION SYSTEM

ORDERING CODE

YET - C1 **P1** **004** **A** B 0 - **1** **06**

Control type	Pressure monitoring	Reservoir	Reservoir material	Mounting	Oil return device	Voltage	Output bore
C1 = PLC	P1 = with Null = without	002 = 2L 003 = 3L 004 = 4L 006 = 6L 008 = 8L	P = Resin (2/3/4L) S = Steel (6L up) A = Aluminum (Only 4L)	B = Rear bracket	0 = without	1 = 110V 2 = 220V	04 = 4mm 06 = 6mm

ISH YET-C1P1 SM YET-C1P1

RESISTANCE TYPE ELECTRIC LUBRICATION



Characteristics & Dimensions

Model	ISH YET-C1P1
Voltage (Single Phase)	110 or 220
Consumption Power (watts)	64.00
Output Power (Watts)	8.00
Terminal Output Capacity	AC 240V/DC 200V 0.50 Amp (Floating Switch) DC 12V 3 Amp (Pressure Switch)
Lubrication Time (second/minute)	In Cooperation With PLC Control System
Intermittence Time (second/minute/hour/cycle)	In Cooperation With PLC Control System
Output Bore	Ø4 or Ø6
Maximum Output Pressure MPa (Kgf/cm ²)	0.60 (6.00)
Output Volume (c.c./minute)	200.00
Pressure release Device	NOT Included
Floating Switch	Included
Pressure Switch (Kgf/cm ²)	Included
Pressure Gauge	Included
Alarm Beeper	NOT Included
Tank Capacity (L)	2L, 3L & 4L (Resin), 4L (Aluminum)
Total Weight (Kg)	2.60, 2.90 & 3.20 3.60

** Special products can be manufactured under customer order.

*** All dimensions are given in millimeters.

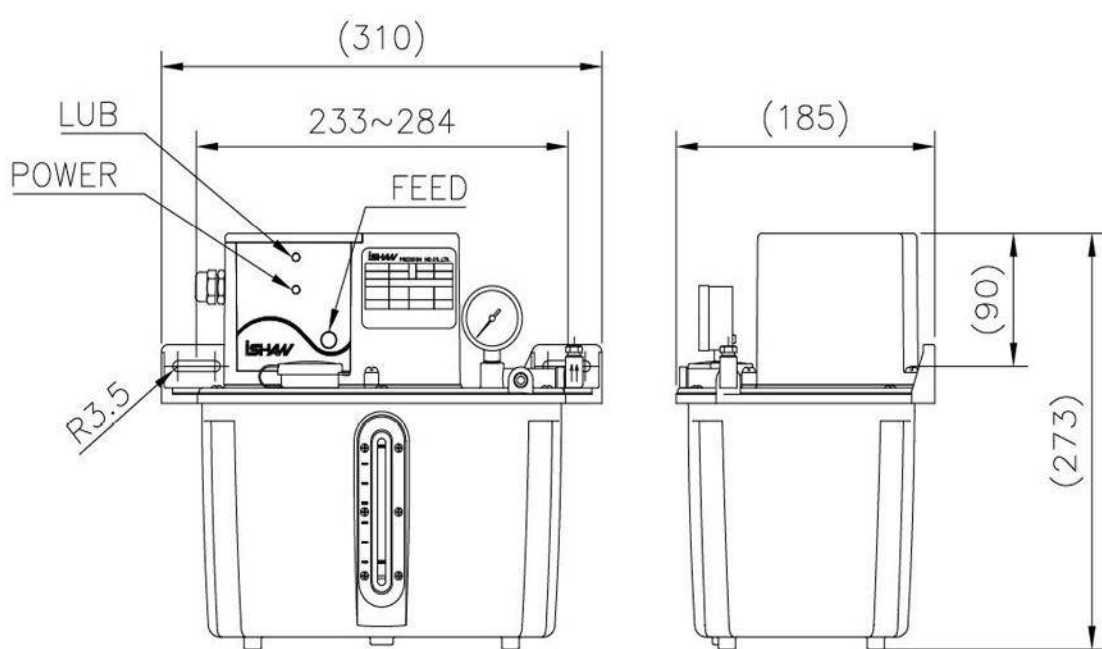
SMUS

ISHAW
LUBRICATION SYSTEM

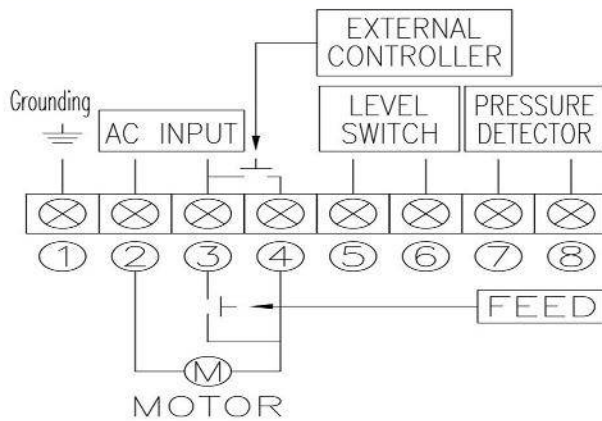
伊山精密工業股份有限公司
ISHAN PRECISION INDUSTRY, CO., LTD



ISHAW
LUBRICATION SYSTEM



WIRING DIAGRAM ISH YET-C1P1



ISHAW
 LUBRICATION SYSTEM

ORDERING CODE

YET - C1 **P1** **004** **A** B 0 - **1** **06**

Control type	Pressure monitoring	Reservoir	Reservoir material	Mounting	Oil return device	Voltage	Output bore
C1 = PLC	P1 = with Null = without	002 = 2L 003 = 3L 004 = 4L 006 = 6L 008 = 8L	P = Resin (2/3/4L) S = Steel (6L up) A = Aluminum (Only 4L)	B = Rear bracket	0 = without	1 = 110V 2 = 220V	04 = 4mm 06 = 6mm



ISH YET-C2 SERIES SM YET-C2 SERIES

VOLUMETRIC TYPE
ELECTRIC
PISTON
LUBRICANT

ISH YET-C2 SM YET-C2

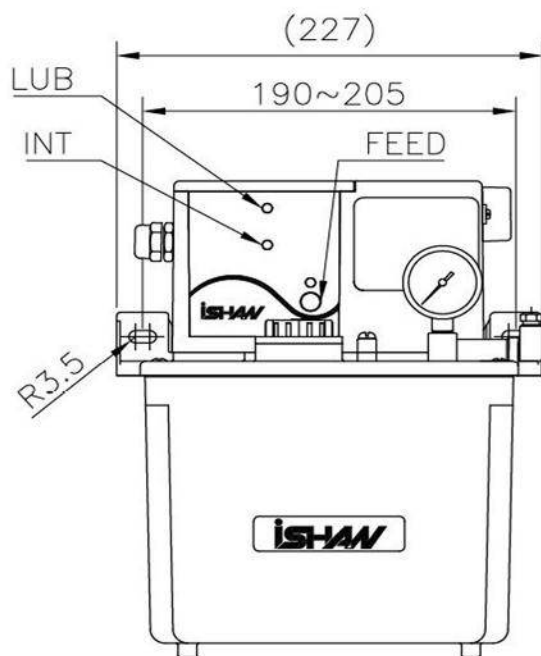
VOLUMETRIC TYPE ELECTRIC LUBRICATOR



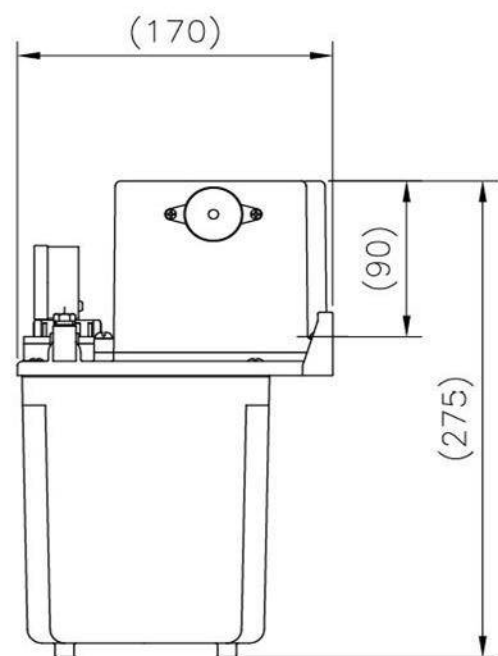
Characteristics & Dimensions

MODEL	ISH YET-C2
Voltage (Single Phase)	110 or 220
Consumption Power (watts)	78.00
Output Power (Watts)	11.00
Terminal Output Capacity	AC 240V/DC 200V 0.50 Amp (Floating Switch) DC 12V 3 Amp (Pressure Switch)
Lubrication Time (second/minute)	In Cooperation With PLC Control System
Intermittence Time (second/minute/hour/cycle)	In Cooperation With PLC Control System
Output Bore	Ø4 or Ø6
Maximum Output Pressure MPa (Kgf/cm ²)	1.50 (15.00)
Output Volume (c.c./minute)	150.00
Pressure release Device	Included
Floating Switch	Included
Pressure Switch (Kgf/cm ²)	NOT Included
Pressure Gauge	Included
Alarm Beeper	NOT Included
Tank Capacity (L)	2L, 3L & 4L (Resin), 4L (Aluminum)
Total Weight (kg)	2.60, 2.90, 3.20 & 3.60

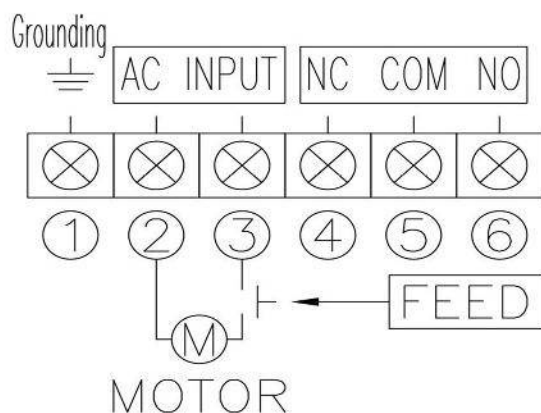
*** Special characteristics can be applied to device by customers request.
*** All dimensions are given in millimeters.



3L



WIRING DIAGRAM ISH YET-C2



ISHAW
LUBRICATION SYSTEM

ORDERING CODE

YET - C2 **P2** **003** **P** B 0 - **1** **06**

Control type	Pressure switch	Reservoir	Reservoir material	Oil return device	Mounting	Voltage	Output bore
C2 = PLC	P2 = with Null = without	002 = 2L 003 = 3L 004 = 4L 006 = 6L 008 = 8L	P = Resin (2/3/4L) S = Steel (6L up) A = Aluminum (Only 4L)	0 = without	B= Rear bracket	1 = 110V 2 = 220V	04 = 4mm 06 = 6mm

ISH YET-C2P2 SM YET-C2P2

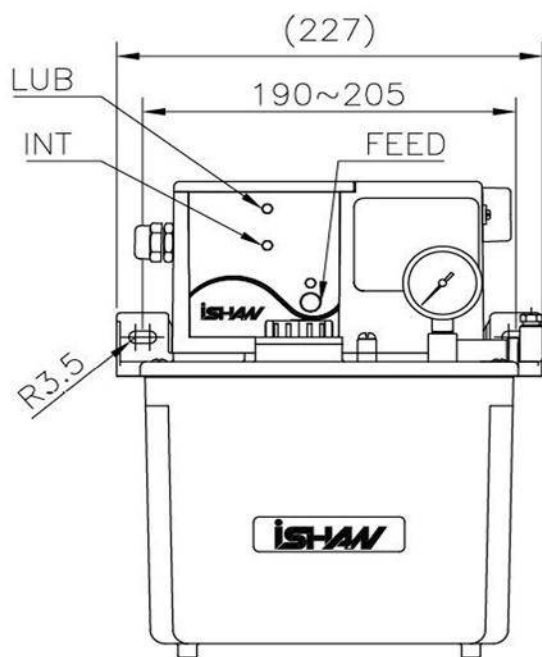
VOLUMETRIC TYPE ELECTRIC LUBRICATOR



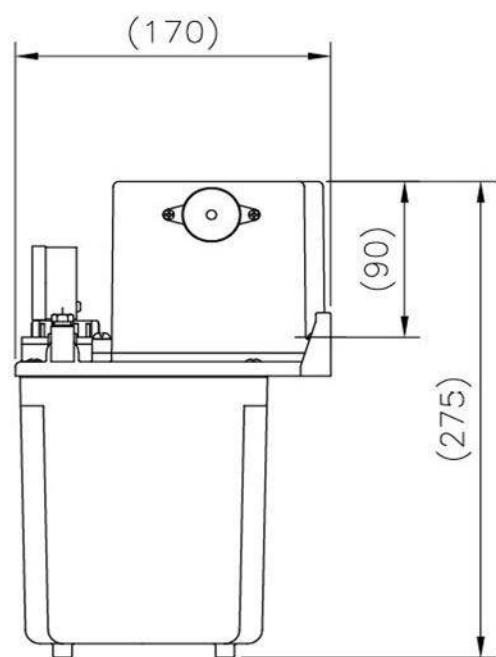
Characteristics & Dimensions

MODEL	ISH YET-C2P2
Voltage (Single Phase)	110 or 220
Consumption Power (watts)	78.00
Output Power (Watts)	11.00
Terminal Output Capacity	AC 240V/DC 200V 0.50 Amp (Floating Switch) DC 12V 3 Amp (Pressure Switch)
Lubrication Time (second/minute)	In Cooperation With PLC Control System
Intermittence Time (second/minute/hour/cycle)	In Cooperation With PLC Control System
Output Bore	Ø4 or Ø6
Maximum Output Pressure MPa (Kgf/cm ²)	1.50 (15.00)
Output Volume (c.c./minute)	150.00
Pressure release Device	Included
Floating Switch	Included
Pressure Switch (Kgf/cm ²)	12.00 ~ 9.00
Pressure Gauge	Included
Alarm Beeper	NOT Included
Tank Capacity (L)	2L, 3L, 4L (Resin) & 4L (Aluminum)
Total Weight (kg)	2.60, 2.90, 3.20 & 3.60

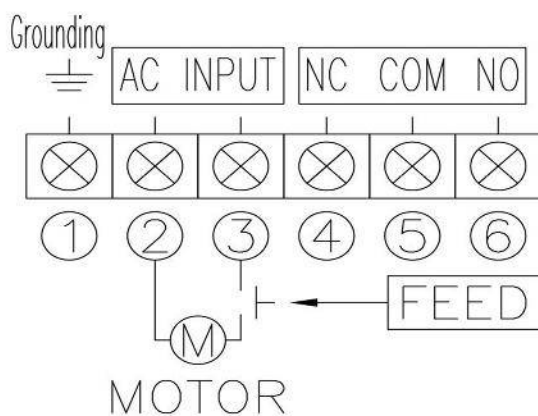
*** Special characteristics can be applied to device by customers request.
*** All dimensions are given in millimeters.



3L



WIRING DIAGRAM ISH YET-C2P2



ISHAW
 LUBRICATION SYSTEM

ORDERING CODE

YET - C2 **P2** **003** **P** B 0 - **1** **06**

Tipo De Control

C2 = Mediante
PLC

Interruptor De Presión

P2 = Incluido
Ø = NO Incluido

Deposito

002 = 2 Litros
003 = 3 Litros
004 = 4 Litros
006 = 6 Litros
008 = 8 Litros

Material Del Deposito

P = Resina (2/3/4 Litros)
S = Acero (6 Litros
y mayores)
A = Aluminio
(Unicamente 4 Litros)

Deposito De Retorno De Aceite

0 = NO
Incluido

Montaje

B = Montura
Trasera

Voltaje

1 = 110 volts
2 = 220 volts

Diametro De Salida

04 = 4mm
06 = 6mm



ISH YET-D1 SERIES SM YET-D1 SERIES

ELECTRICAL
RESISTANCE
TYPE
LUBRICANT

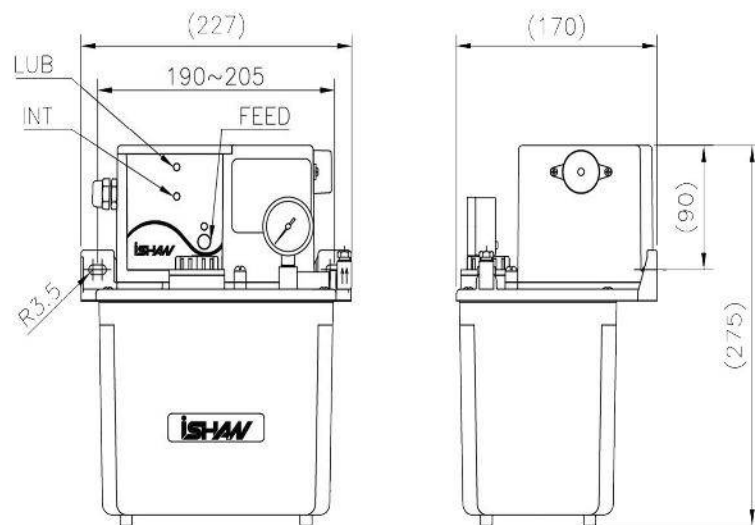
ISH YET-D1 SM YET-D1

RESISTANCE TYPE LUBRICATOR

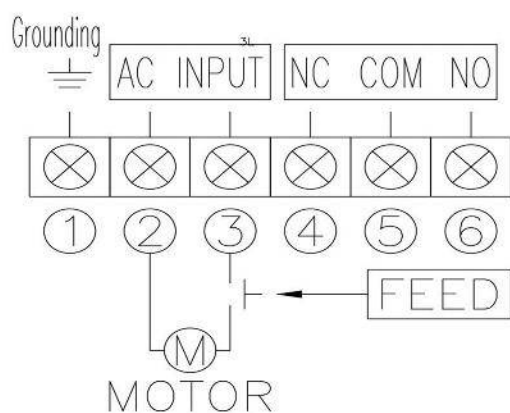




Características Y Dimensiones	
Modelo	ISH YET-D1
Voltaje En Una Sola Fase (volts)	110 ó 220
Consumo De Potencia (Watts)	64.00
Salida De Potencia (Watts)	8.00
Capacidad De Salida Terminal	0.50 Amp
Tiempo De Lubricacion (segundo / minuto)	3/5/10/15/20/30/40/50
Tiempo De Intermitencia (segundo/minuto/hora/ciclo)	5/10/15/20/35/40/50/60/70/90/100
Diametro De Salida (mm)	Ø4 ó Ø6
Presión Máxima De Salida Mpa (kgf/cm ²)	0.60 (6.00)
Volumen De Salida (c.c. / min)	200.00
Dispositivo De Liberación De Presión	NO Incluido
Interruptor De Flotación	Incluido
Interruptor De Presión (kgf/cm ²)	NO Incluido
Medidor De Presión	Incluido
Alarma Auditiva	Incluido
Capacidad Del Deposito De Lubricante (L)	2, 3 & 4 En Resina 4 En Aluminio
Peso Del Dispositivo (kg)	2.70, 2.9 & 3.00 3.50 (Aluminio)
*** Pueden ser producidos modelos especiales de acuerdo a solicitud del cliente. **** Todas las dimensiones estan dadas en milímetros.	



WIRING DIAGRAM ISH YET-D1



ISHAW
LUBRICATION SYSTEM

ORDERING CODE

YET - D2 003 P B 0 - 1 06

Control type
D2 = Dip timer

Reservoir
002 = 2L
003 = 3L
004 = 4L
006 = 6L
008 = 8L

Reservoir material
P = Resin (2/3/4L)
S = Steel (6L up)
A = Aluminum
(Only 4L)

Mounting
B= Rear
bracket

Oil return device
0 = without

Voltage
1 = 110V
2 = 220V

Output bore
04 = 4mm
06 = 6mm



ISH YET-D2 SERIES SM YET-D2 SERIES

VOLUMETRIC TYPE
ELECTRIC
PISTON
LUBRICANT

ISH YET-D2 SM YET-D2

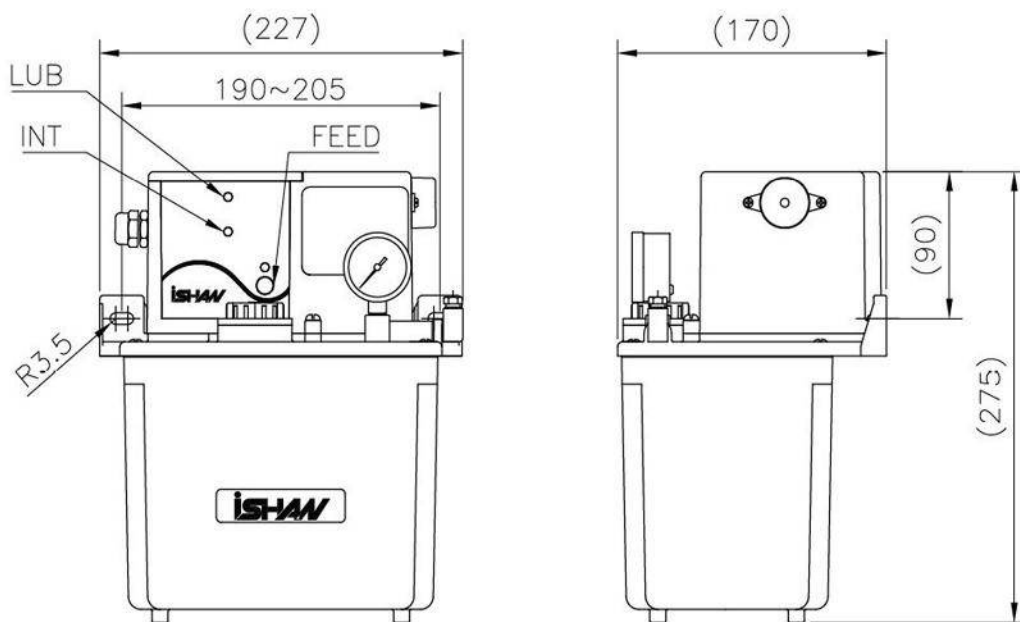
RESISTANCE TYPE ELECTRIC LUBRICATOR



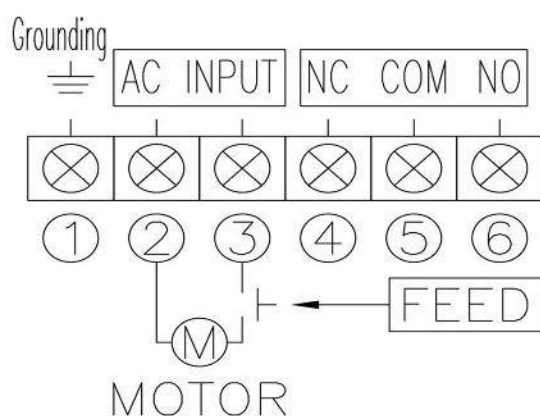
Characteristics & Dimensions

Model	ISH YET-D2
Voltage (Single Phase)	110 or 220
Consumption Power (watts)	78.00
Output Power (Watts)	11.00
Terminal Output Capacity	0.5 A
Lubrication Time (second/minute)	3 / 5 / 10 / 15 / 20 / 30 / 40 / 50
Intermittence Time (second/minute/hour/cycle)	5 / 10 / 15 / 20 / 35 / 40 / 50 / 60 / 70 / 90 / 100
Output Bore	Ø4 or Ø6
Maximum Output Pressure MPa (Kgf/cm ²)	1.50 (15.00)
Output Volume (c.c./minute)	150.00
Pressure release Device	Included
Floating Switch	Included
Pressure Switch (Kgf/cm ²)	NOT Included
Pressure Gauge	Included
Alarm Beeper	Included
Tank Capacity (L)	2L, 3L, 4L (Resin) & 4L (Aluminum)
Total Weight (kg)	2.70, 2.90, 3.00 & 3.50

*** Special characteristics can be applied to device by customers request.
**** All dimensions are given in millimeters.



WIRING DIAGRAM ISH YET-D2



ORDERING CODE

YET - D2 003 P B 0 - 1 06

Control type	Reservoir	Reservoir material	Mounting	Oil return device	Voltage	Output bore
D2 = Dip timer	002 = 2L 003 = 3L 004 = 4L 006 = 6L 008 = 8L	P = Resin (2/3/4L) S = Steel (6L up) A = Aluminum (Only 4L)	B= Rear bracket	0 = without	1 = 110V 2 = 220V	04 = 4mm 06 = 6mm



ISH YET-E SERIES SM YET-E SERIES

ELECTRICAL
RESISTANCE
TYPE
LUBRICANT

ISH YET-E SM YET-E

RESISTANCE LUBRICATION UNIT

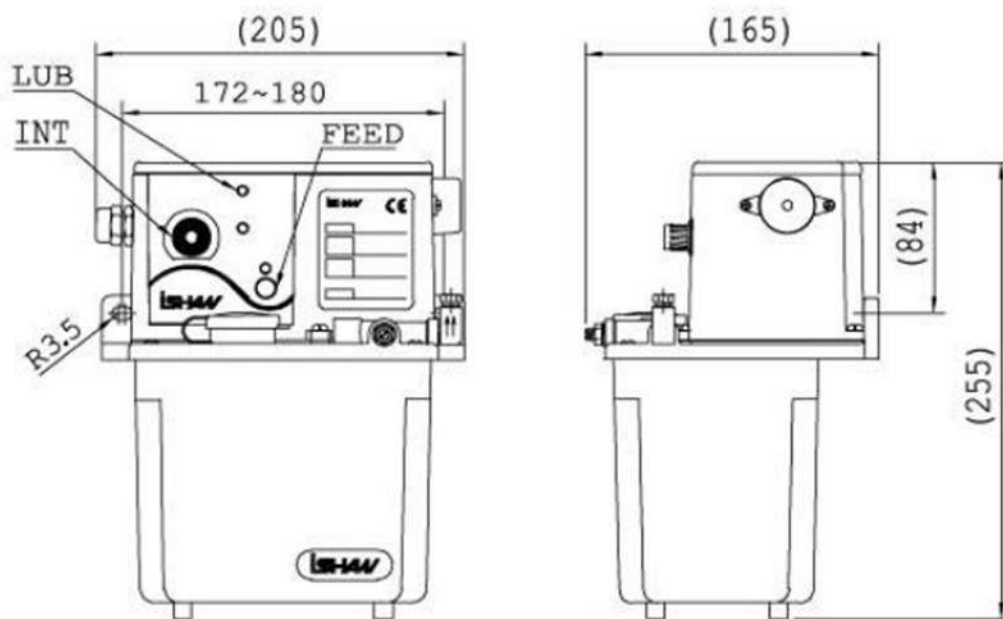




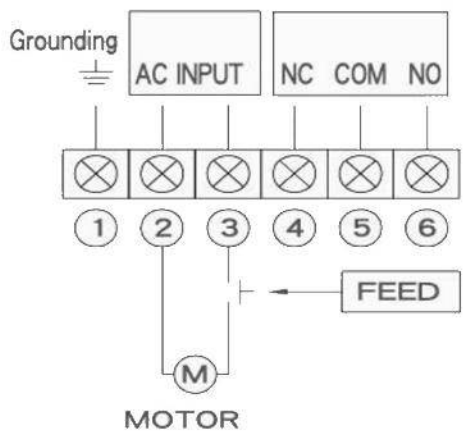
Características Y Dimensiones

Modelo	ISH YET-E		
Voltaje En Una Sola Fase (volts)	110 ó 220		
Consumo De Potencia (Watts)	80.00		
Salida De Potencia (Watts)	-		
Capacidad De Salida Terminal	3.00 Amp		
Tiempo De Lubricacion (segundos)	-		
Tiempo De Intermitencia (minutos)	0.00 ~ 60.00		
Diametro De Salida (mm)	Ø4 ó Ø6		
Presión Máxima De Salida Mpa (kgf/cm ²)	0.70 (7.00)		
Volumen De Salida (c.c. / min)	6.00 (Estandars) 15.00 (Opcional)		
Dispositivo De Liberación De Presión	NO Incluido		
Interruptor De Flotación	Incluido		
Interruptor De Presión (kgf/cm ²)	NO Incluido		
Medidor De Presión	NO Incluido	Incluido	Incluido
Alarma Auditiva	NO Incluido		
Capacidad Del Deposito De Lubricante (L)	2.00	3.00	4 En Aluminio
Peso Del Dispositivo (kg)	2.60	2.90	3.60

*** Pueden ser producidos modelos especiales de acuerdo a solicitud del cliente.
 ***** Todas las dimensiones estan dadas en milímetros.



WIRING DIAGRAM ISH YET-E





ISH YET-N SERIES SM YET-N SERIES

RESISTANCE TYPE LUBRICATION UNIT

ISH YET-N SM YET-N

RESISTANCE TYPE LUBRICATING UNIT

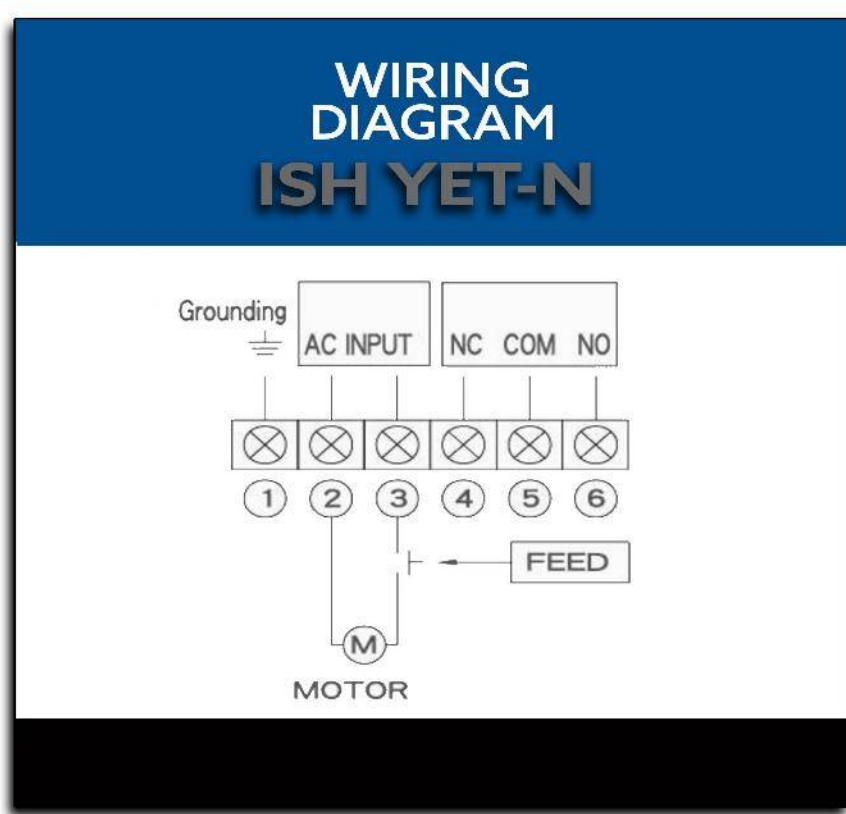


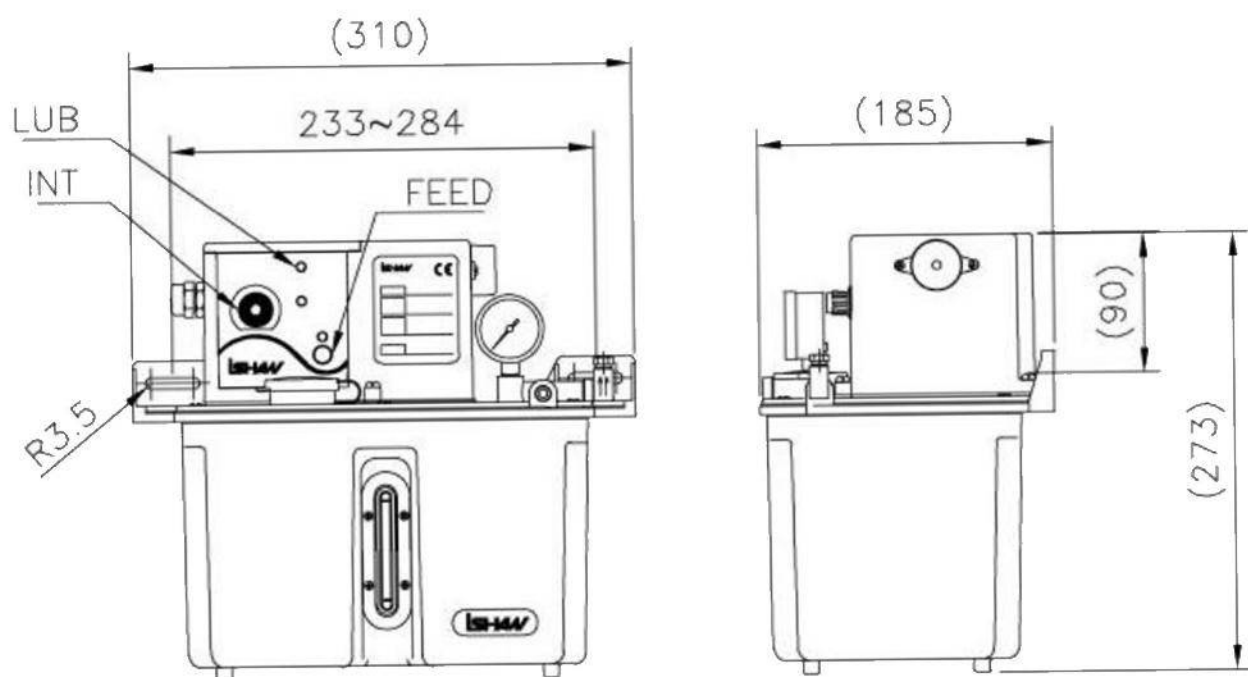


Características Y Dimensiones

Modelo	ISH YET-N		
Voltaje En Una Sola Fase (volts)	110 ó 220		
Consumo De Potencia (Watts)	80.00		
Salida De Potencia (Watts)	11.00		
Capacidad De Salida Terminal	3.00 Amp		
Tiempo De Lubricacion (minutos)	-		
Tiempo De Intermitencia (minutos)	0.00 ~ 60.00		
Diametro De Salida (mm)	Ø4 ó Ø6		
Presión Máxima De Salida Mpa (kgf/cm ²)	0.70 (7.00)		
Volumen De Salida (c.c. / min)	6.00 (Estandars) 15.00 (Opcional)		
Dispositivo De Liberación De Presión	NO Incluido		
Interruptor De Flotación	Incluido		
Interruptor De Presión (kgf/cm ²)	NO Incluido		
Medidor De Presión	NO Incluido	Incluido	Incluido
Alarma Auditiva	Incluido		
Capacidad Del Deposito De Lubricante (L)	2.00	3.00	4 En Aluminio
Peso Del Dispositivo (kg)	2.60	2.90	3.60

*** Pueden ser producidos modelos especiales de acuerdo a solicitud del cliente.
 *** Todas las dimensiones estan dadas en milímetros.







ISH YET-R2 SERIES SM YET-R2 SERIES

VOLUMETRIC TYPE
ELECTRIC
PISTON
LUBRICANT

ISH YET-R2 SM YET-R2

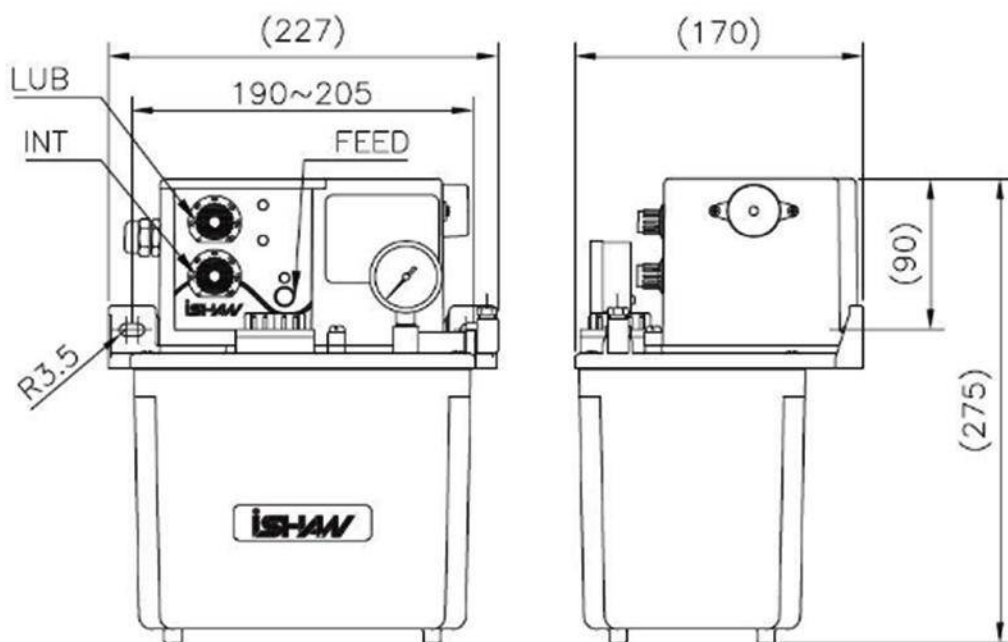
VOLUMETRIC TYPE ELECTRIC LUBRICATOR



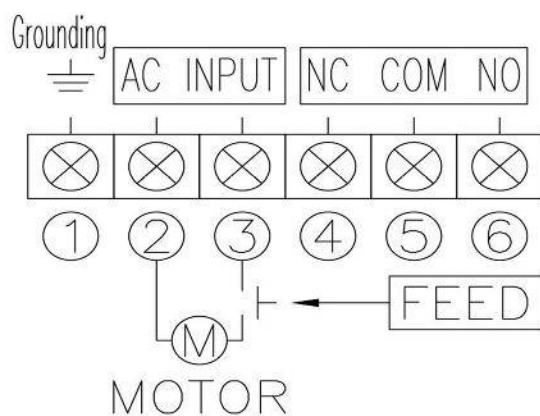
Characteristics & Dimensions

MODEL	ISH YET-R2
Lubricating System Type	<i>Piston</i>
Distributor	<i>DT Series / DX Series</i>
Voltage (Single Phase)	110 volts/60Hz
Power Consumption (watts)	100
Output Power (watts)	11
Terminal Output Capacity	DC / AC 250 volts/3A
Lubrication Time (Seconds)	1-180
Intermittance Time (Minuts)	1-180
Output Bore	Ø4 Ø6
Maximum Pressure Output (Mpa(Kgf/cm2))	1.50 (15.00)
Output Volume (cc/min)	150
Preassure Release Valve	0
Floating Switch	0
Pressure Switch (Kgf/cm2)	X
Pressure Gauge	0
Alarm Beeper	0
Tank Capacity (Liter)	3.00
Device Total Weight (Kg)	2.90
Oil Deposit Material	Acrylic

** Special characteristics can be applied to device by customers request.
*** All dimensions are given in millimeters.



WIRING DIAGRAM ISH YET-R2



ORDERING CODE

YET - R2 003 P B 0 - 1 06

Tipo De Control
R2 = Perilla De Ajuste

Deposito

002 = 2 Litros
003 = 3 Litros
004 = 4 Litros
006 = 6 Litros
008 = 8 Litros

Material Del Deposito

P = Resina (2/3/4 Litros)
S = Acero (6 Litros y mayores)
A = Aluminio (Unicamente 4 Litros)

Montaje

B = Montura Trasera

Deposito De Retorno De Aceite

0 = NO Incluido

Voltaje

1 = 110 volts
2 = 220 volts

Diametro De Salida

04 = 4mm
06 = 6mm



ISH YGL-A SERIES SM YGL-A SERIES

RESISTANCE TYPE
GREASE
LUBRICATION SYSTEM

ISH YGL-A SM YGL-A

RESISTANCE TYPE GREASE LUBRICATING SYSTEM

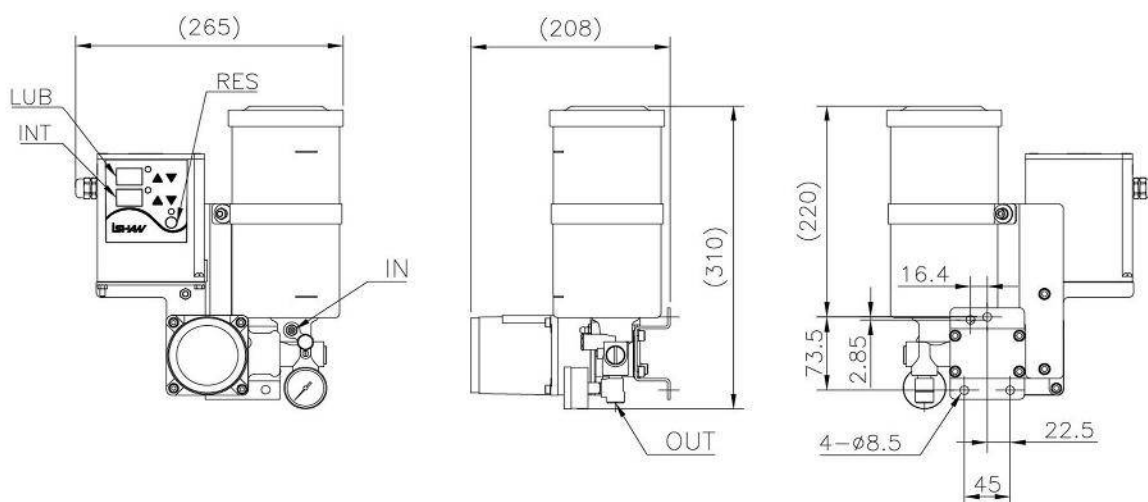


Características Y Dimensiones

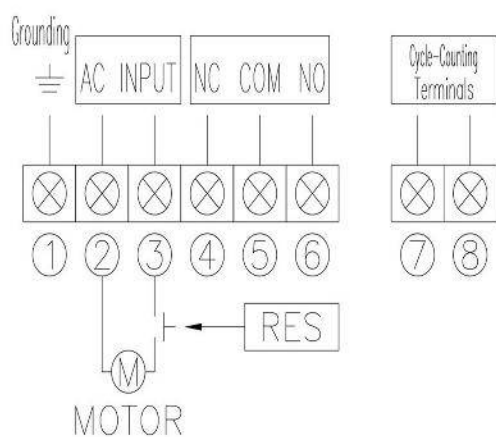
Modelo	ISH YGL-A	
Voltaje	110 o 220 EN UNA SOLA FASE	DC 24 Volts
Consumo De Potencia (Watts)	56.00	75.00
Potencia De Salida (Watts)	25.00	28.00
Capacidad Terminal De Salida	DC/AC 250 Volts 3.00 Amp	
Tiempo De Lubricación (Segundos)	1 - 999	
Tiempo De Intermitencia (Minutos/Horas/Ciclos)	1 - 999	
Diámetro De Salida	PT1 / 4	
Presión Máxima De Zaida Mpa (Kgf/cm ²)	8 - 10 (80 - 100)	
Volumen De Salida (c.c./min)	Superior A 13.00	
Medidor De Presión	Incluido	
Capacidad Del Deposito De Lubricante	800, 1,200 & 2,000	
Peso Del Dispositivo (Kg)	3.70, 4.60 & 5.00	

*** Pueden ser producidos modelos especiales de acuerdo a solicitud del cliente.

**** Todas las dimensiones están dadas en milímetros.



WIRING DIAGRAM ISH YGL-A



ORDERING CODE

Order Code | YGL - A **120** - **1** 06

Control type

A = Digital timer

120 Reservoir volume

080 = 800 c.c.
120 = 1200 c.c.
200 = 2000 c.c.

1 Voltage

1 = 110V
2 = 220V
3 = DC 24V



ISH YGL-C SERIES SM YGL-C SERIES

RESISTANCE TYPE
GREASE
LUBRICATION SYSTEM

ISH YGL-C

GREASE RESISTANCE LUBRICATOR

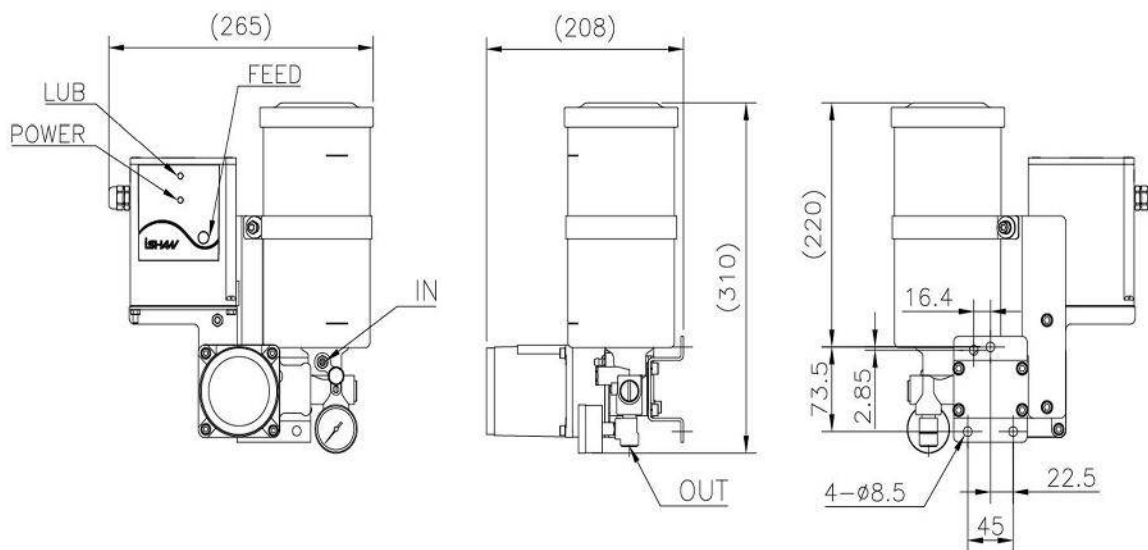


Characteristics & Dimensions

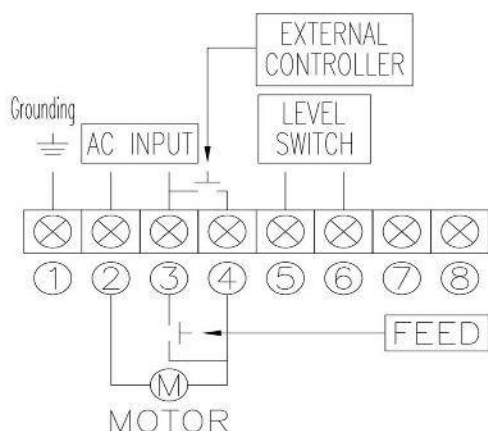
MODEL	ISH YGL-C
Voltage (Single Phase)	110 or 220
Power Consumption (Watts)	56.00
Power Output (Watts)	25.00
Terminal Output Capacity	Cooperates With PLC Control System
Lubrication Time (seconds)	Cooperates With PLC Control System
Intermittent Time (minute/hour/cycle)	PT¼
Output Bore	8.00~10.00 (80.00~100.00)
Maximum Output Pressure Mpa (Kgf/cm ²)	8 - 10 (80 - 100)
Output Volume (c.c./min)	Superior A 13.00
Pressure Gauge	Includo
Cup Capacity (c.c.)	800, 1,200 & 2,000
Total Weight (kg)	3.60, 4.40 & 4.90

** Special products can be manufactured under customer order.

*** All dimensions are given in millimeters.



WIRING DIAGRAM ISH YGL-C



ORDERING CODE

Order Code | YGL - C **120** - **1** 06

Control type

C = PLC

120 Reservoir volume

080 = 800 c.c.
120 = 1200 c.c.
200 = 2000 c.c.

1 Voltage

1 = 110V
2 = 220V



ISH YGL-D SERIES SM YGL-D SERIES

RESISTANCE TYPE
GREASE
LUBRICATION SYSTEM

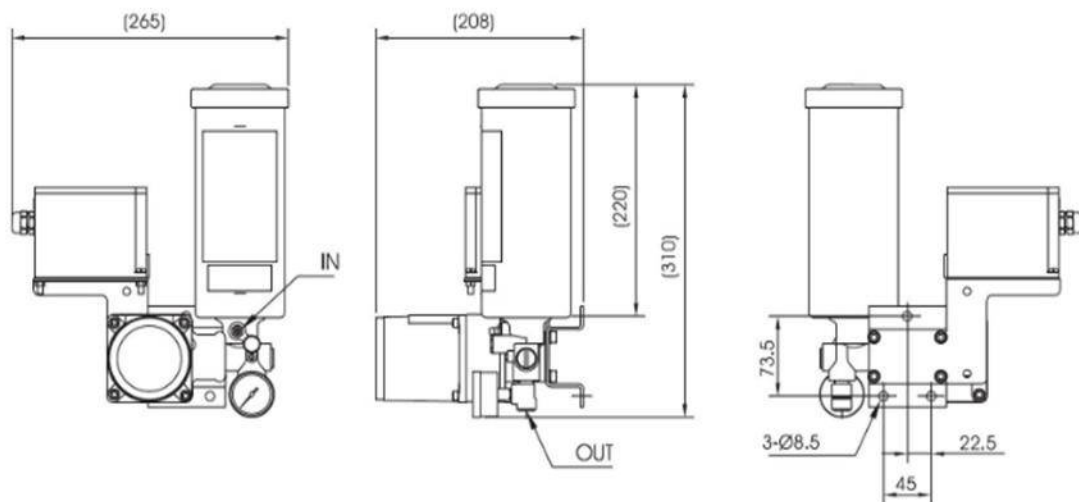
ISH YGL-D SM YGL-D

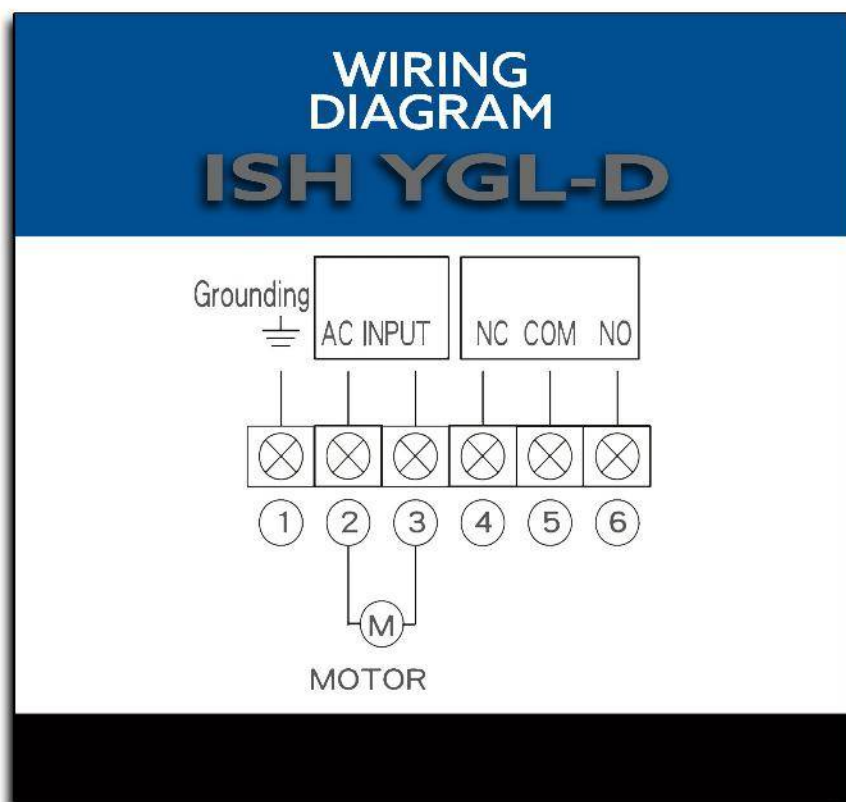
RESISTANCE TYPE GREASE LUBRICATING SYSTEM



Características Y Dimensiones

Modelo	ISH YGL-D		
Voltaje En Una Sola Fase (volts)	110 o 220 (Una Fase)		DC 24V
Consumo De Potencia (Watts)	56.00		75.00
Salida De Potencia (Watts)	25.00	28.00	
Tiempo De Lubricación (segundo / minuto)	Trabaja En Conjunto De Un Sistema De PLC		
Tiempo De Intermitencia (seg/min/hora/ciclo)	Trabaja En Conjunto De Un Sistema De PLC		
Diámetro De Salida (mm)	PT ¼"		
Presión Máxima De Salida Mpa (kgf/cm²)	8.00 ~ 10.00 (80.00 ~ 100.00)		
Volumen De Salida (c.c. / min)	Superior A 13.00		
Dispositivo De Liberación De Presión	No Incluido		
Interruptor De Flotación	No Incluido		
Interruptor De Presión (kgf/cm²)	No Incluido		
Medidor De Presión	Incluido		
Alarma Auditiva	No Incluido		
Capacidad Del Deposito De Lubricante (L)	0.800	1.200	2.000
Peso Del Dispositivo (kg)	3.40	4.30	4.70
**** Todas las dimensiones están dadas en milímetros.			





ORDERING CODE

YGL - D 120 - 1 06

Tipo De Control
D = PLC

 Capacidad Del Deposito
080 = 800 c.c.
120 = 1,200 c.c.
200 = 2,000 c.c.

 Voltaje
1 = 110 Volts
2 = 220 Volts
3 = 24 Volts



ISH YGL-H SERIES SM YGL-H SERIES

RESISTANCE TYPE
GREASE
LUBRICATION SYSTEM

ISH YGL-H SM YGL-H

RESISTANCE GREASE LUBRICATING SYSTEM

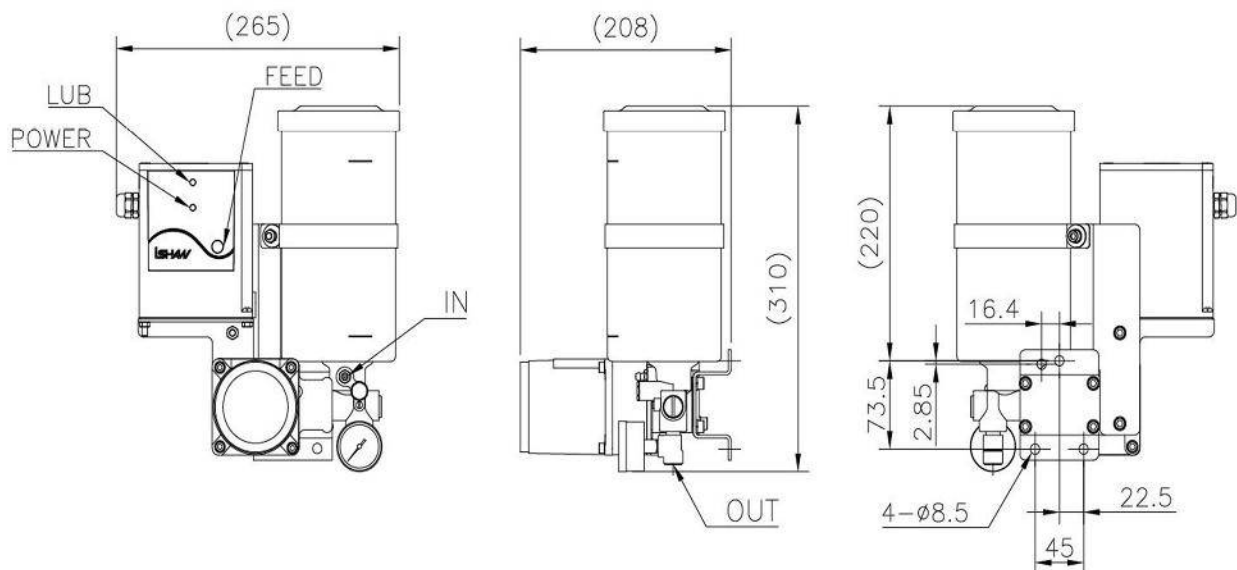


Características Y Dimensiones

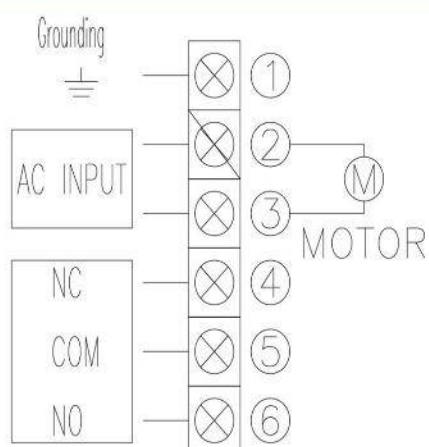
Modelo	ISH YGL-H	
Voltaje	110 o 220 EN UNA SOLA FASE	DC 24 Volts
Consumo De Potencia (Watts)	56.00	75.00
Potencia De Salida (Watts)	25.00	28.00
Tiempo De Lubricación (Segundos)	Trabaja En Conjunto Con El Sistema De Control De El PLC	
Tiempo De Intermitencia (Minutos/Horas/Ciclos)	Trabaja En Conjunto Con El Sistema De Control De El PLC	
Diámetro De Salida	PT1 / 4	
Presión Máxima De Zaida Mpa (Kgf/cm ²)	8 - 10 (80 - 100)	
Volumen De Salida (c.c./min)	Superior A 13.00	
Medidor De Presión	Incluido	
Capacidad Del Deposito De Lubricante	800, 1,200 & 2,000	
Pesos Del Dispositivo (Kg)	3.70, 4.60 & 5.00	

*** Pueden ser producidos modelos especiales de acuerdo a solicitud del cliente.

**** Todas las dimensiones están dadas en milímetros.



WIRING DIAGRAM ISH YGL-H



ORDERING CODE

YGL - H 120 - 1 06

Control type

H = PLC

Reservoir volume

080 = 800 c.c.
120 = 1200 c.c.
200 = 2000 c.c.

Voltage

1 = 110V
2 = 220V
3 = DC 24V



ISH YGL-R SERIES SM YGL-R SERIES

RESISTANCE TYPE GREASE LUBRICATION SYSTEM

ISH YGL-R SM YGL-R

RESISTANCE GREASE LUBRICATING SYSTEM

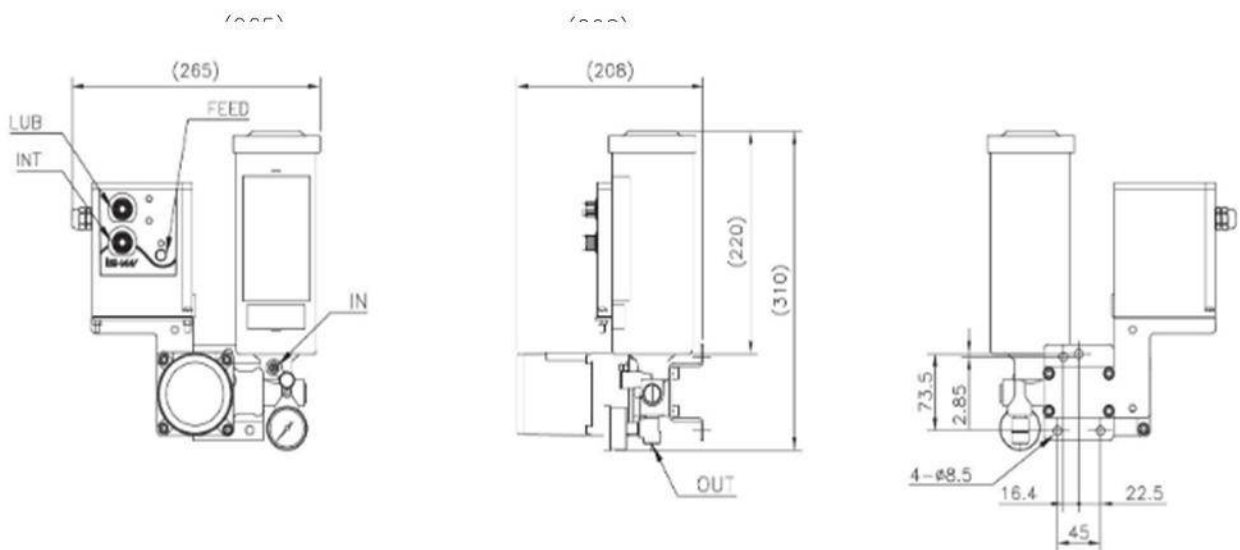


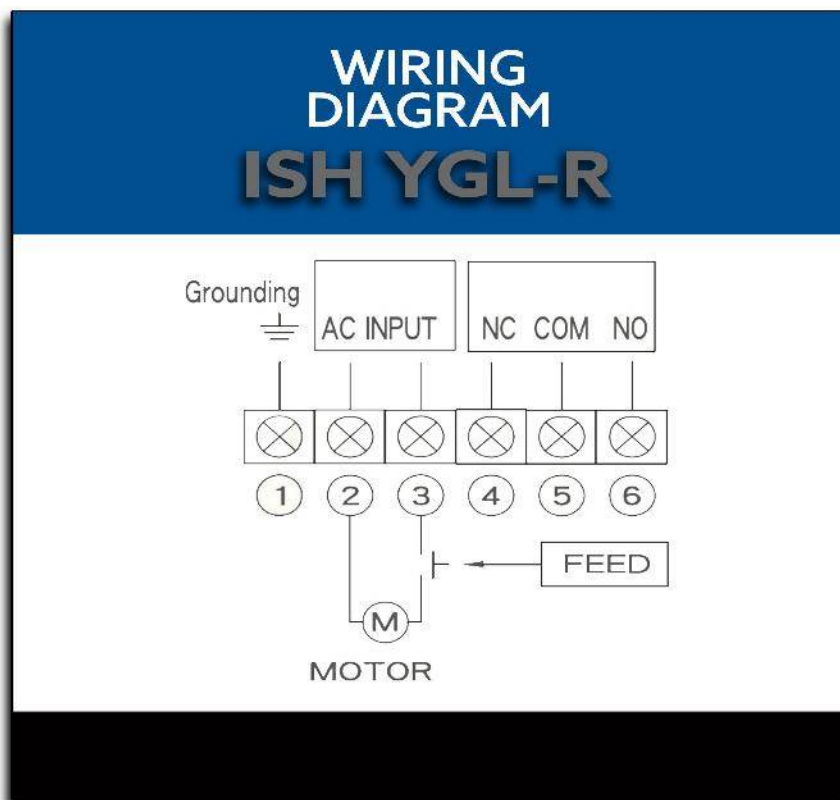


Characteristics & Dimensions

MODEL	ISH YGL-R
Voltage (Single Phase)	110V / 220V
Power Consumption (watts)	56.00
Output Power (watts)	25.00
Terminal Output Capacity	DC / AC 250V 3A
Lubrication Time (Seconds)	1-180
Intermittance Time (Minutes)	1-180
Output Bore	PT1/4
Maximum Output Pressure Mpa(Kgf/cm ²)	8.00-10.00 (80.00-100.00)
Output Volume (cc/min)	Superior a 13.00
Pressure Gauge	O
Grease Cup Capacity (c.c.)	800 / 1200 / 2000 / 400 (Tube Type)
Total Device Weight (Kg)	3.70 / 4.60 / 5.00 / 5.20 (Cartridge NOT Included)

**** All dimensions are given in millimeters.





ORDERING CODE

YGL - R 120 - 1 06

Tipo De Control

R = Por Perilla

■ Capacidad Del
Deposito

080 = 800 c.c.
 120 = 1,200 c.c.
 200 = 2,000 c.c.

■ Voltaje

1 = 110 Volts
 2 = 220 Volts
 3 = 24 Volts



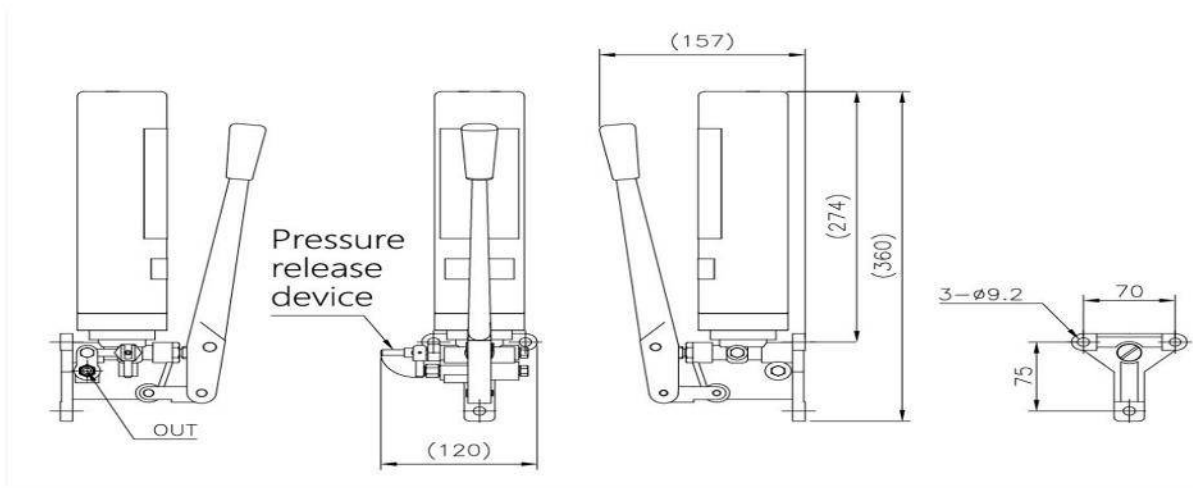
ISH YGL-S SERIES SM YGL-S SERIES

MANUAL GREASE LUBRICATION SYSTEM (WITH CARTRIDGE SYSTEM)

ISH YGL-S SM YGL-S

MANUAL GREASE LUBRICATING SYSTEM







Characteristics & Dimensions

MODEL	ISH YGL-S
Maximum Output Pressure Mpa (Kgf/cm ²)	10.00 (100.00)
Output Volume (c.c./min)	2.00
Bore Diameter (mm)	Ø6
Oil Container Capacity	400 (Tube Type)
Total Weight (Kg)	1.40 (Cartridge is NOT included)
*** Special products can be manufactured under customer order. *** All dimensions are given in millimeters.	



ISH YGL-T SERIES SM YGL-T SERIES

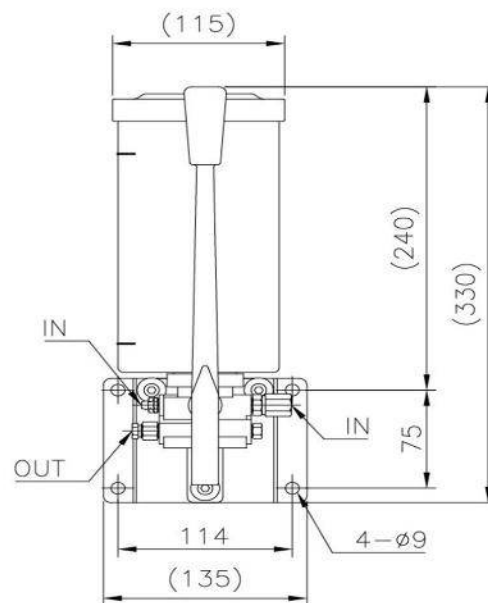
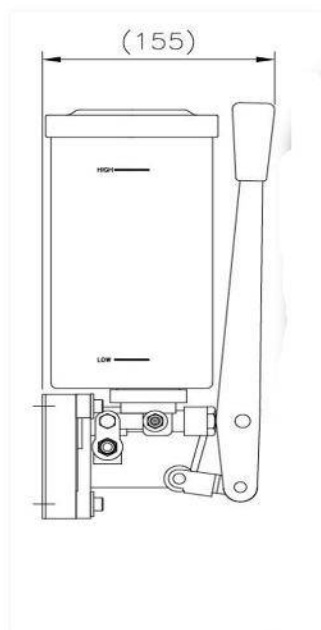
MANUAL GREASE LUBRICATION SYSTEM (WITH & WITHOUT SPRING)

ISH YGL-T SM YGL-T

MANUAL GREASE LUBRICATING SYSTEM

(With & Witout Spring)







Characteristics & Dimensions

MODEL	ISH YGL-T		
Maximum Output Pressure Mpa (Kgf/cm ²)	10.00 (100.00)		
Output Volume (c.c./min)	2.00		
Bore Diameter (mm)	Ø6		
Oil Container Capacity	800.00	1,200.00	400 (Tube Type)
Total Weight (Kg)	1.90	2.20	1.4 (cartridge is NOT included)

** Special products can be manufactured under customer order.

*** All dimensions are given in millimeters.



ISH YLB, YLD & YLS SERIES SM YLB, YLD & YLS SERIES

**FORCED CYCLE
LUBRICATION
SYSTEM**

ISH YLB
SM YLB

FORCED CYCLE LUBRICATING SYSTEM



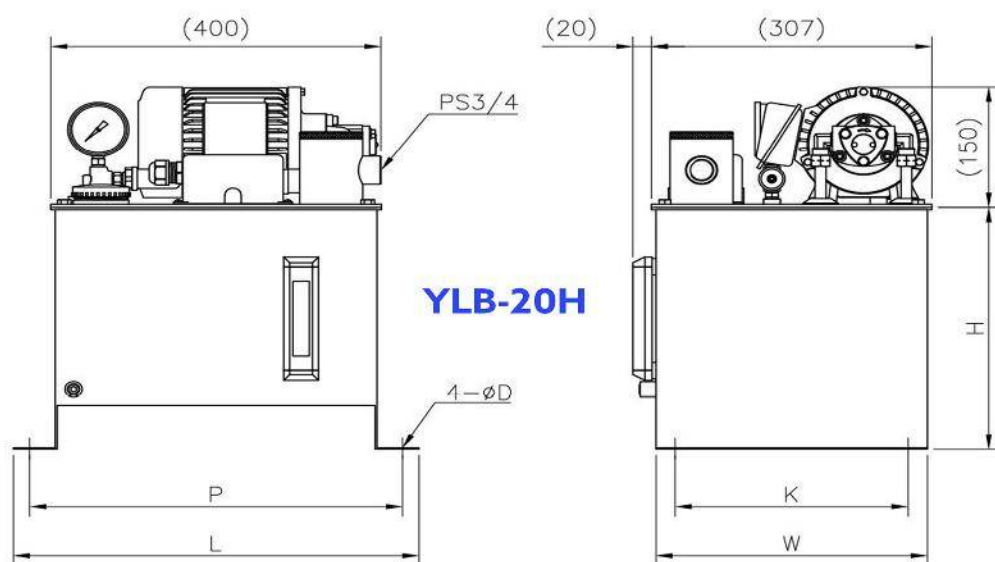
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Características Y Dimensiones

Modelo	ISH YLB
Voltaje En Tres Fases (Volts)	220 Volts / 380 Volts ó 220 Volts / 440 Volts
Potencia	1/4
Capacidad De Salida Terminal	0.50 Amp 240 Vac / 200 Vdc PARA EL INTERRUPTOR DE FLOTACION
Polos	4.00
Frecuencia Utilizada	50 / 60
Presión Máxima De Salida Mpa (kgf/cm ²)	0.50 (5.00)
Volumen De Salida (Litros / min) con Ø6mm	2.70 (TOP-11A) 4.50 (TOP-12A) 6.30 (TOP-13A)
Interruptor De Flotación	Incluido
Interruptor De Presión (kgf/cm ²)	NO Incluido (OPCIONAL)
Medidor De Presión	Incluido
Diametro De Salida (mm)	Ø6, Ø8 ó Ø10
Alarma Auditiva	NO Incluido (OPCIONAL)
Capacidad Del Deposito De Lubricante (L)	20 / 30 / 40 / 60 / 80

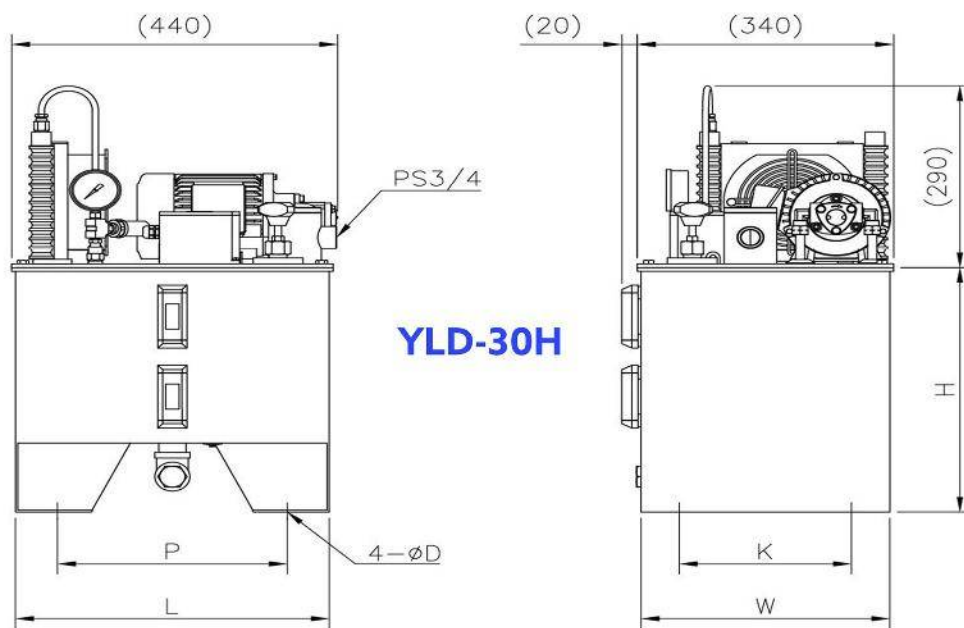
*** Pueden ser producidos modelos especiales de acuerdo a solicitud del cliente.

**** Todas las dimensiones están dadas en milímetros.

ISH YLD SM YLD

FORCED CYCLE LUBRICATING SYSTEM





Características Y Dimensiones

Modelo	ISH YLD
Voltaje En Tres Fases (Volts)	220 Volts / 380 Volts ó 220 Volts / 440 Volts
Potencia (H.P.)	1/4
Capacidad De Salida Terminal	0.30 Amp Para El Interruptor De Flotación 3.00 Amp Para El Interruptor De Presión
Polos	4.00
Frecuencia Utilizada	50 / 60
Presión Máxima De Salida Mpa (kgf/cm ²)	0.50 (5.00)
Volumen De Salida (Litros / min) con Ø6mm	2.70 (TOP-11A) 4.50 (TOP-12A) 6.30 (TOP-13A)
Interruptor De Flotación	Incluido
Interruptor De Presión (kgf/cm ²)	Incluido
Medidor De Presión	Incluido
Diametro De Salida (mm)	Ø6, Ø8 ó Ø10
Alarma Auditiva	NO Incluido
Capacidad Del Deposito De Lubricante (L)	30 / 40

*** Pueden ser producidos modelos especiales de acuerdo a solicitud del cliente.

**** Todas las dimensiones están dadas en milímetros.

ISH YLS SM YLS

FORCED CYCLE LUBRICATING SYSTEM



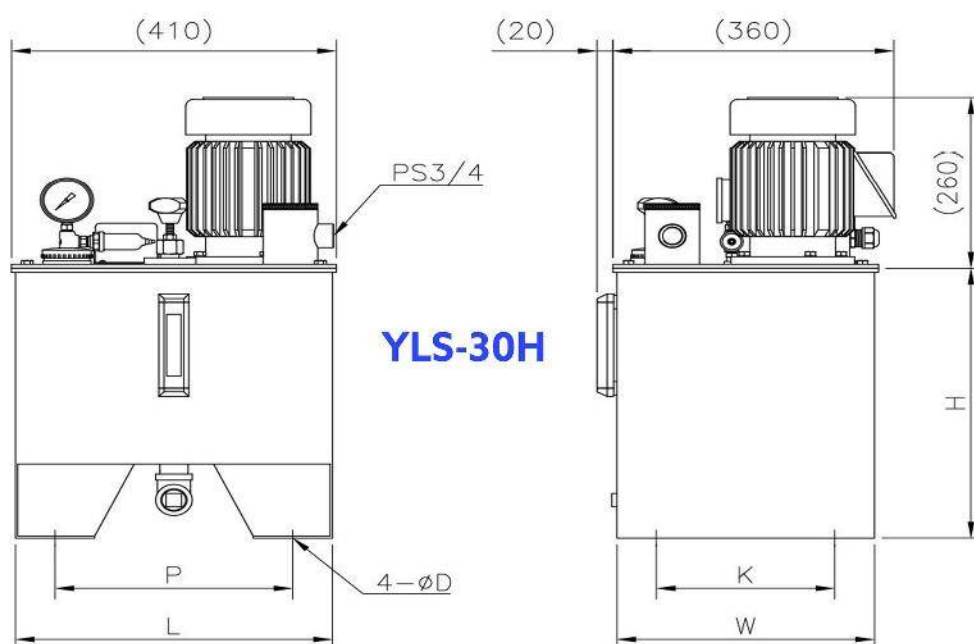
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Características Y Dimensiones

Modelo	ISH YLS
Voltaje En Tres Fases (Volts)	220 Volts / 380 Volts ó 220 Volts / 440 Volts
Potencia (H.P.)	1/2
Capacidad De Salida Terminal	0.30 Amp Para El Interruptor De Flotación 3.00 Amp Para El Interruptor De Presión
Polos	4.00
Frecuencia Utilizada	50 / 60
Presión Máxima De Salida Mpa (kgf/cm ²)	1.50 (15.00)
Volumen De Salida (Litros / min) con Ø6mm	2.40
Interruptor De Flotación	Incluido
Interruptor De Presión (kgf/cm ²)	Incluido
Medidor De Presión	Incluido
Diametro De Salida (mm)	Ø6, Ø8 ó Ø10
Alarma Auditiva	NO Incluido
Capacidad Del Deposito De Lubricante (L)	30 / 40 / 60 / 80 / 100

*** Pueden ser producidos modelos especiales de acuerdo a solicitud del cliente.
*** Todas las dimensiones están dadas en milímetros.



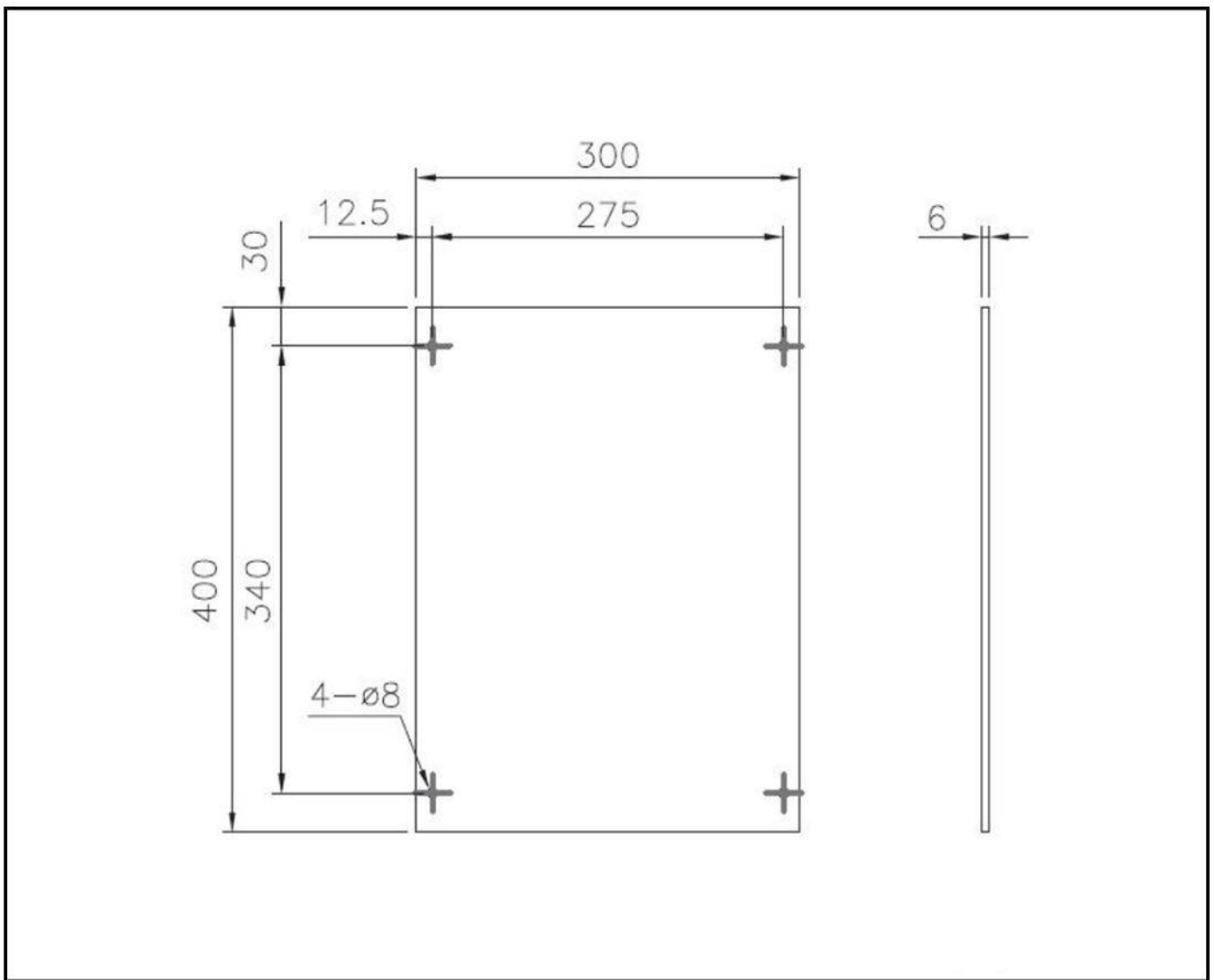
ISH YLC SERIES SM YLC SERIES

FORCED CYCLE COOLING SYSTEM

ISH YLC
SM YLC

FORCED COOLING SYSTEMS







Characteristics & Dimensions

Modelo

Voltage (Volts)	110 V/ 220 V (Single Phase)
	220 V/ 380 V (Three Phases)
	220 V/ 440 V (Three Phases)
Maximum Output Pressure Mpa (kgf/cm ²)	0.50 (5.00)
Output Volume (L/min)	2.70
	4.50
	6.30
Cooling Water Input Volume (L/min)	50.00
	100.00
Output Bore (L/min)	PT 3/4

***** All dimensions are given in millimeters.

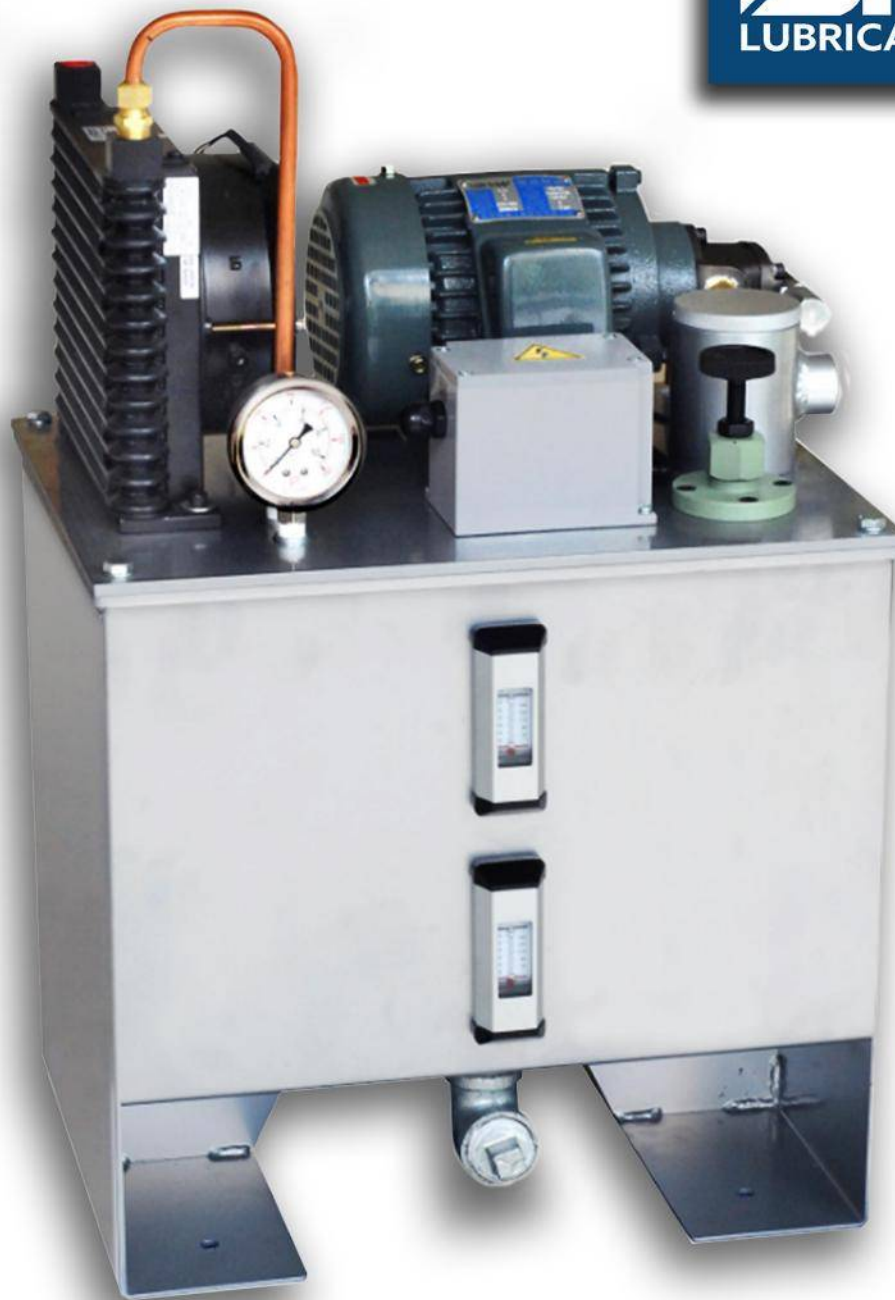


ISH YLD SERIES SM YLD SERIES

FORCED CYCLE LUBRICATION SYSTEM

ISH YLD SERIES SM YLD SERIES

FORCED CYCLE LUBRICATION SYSTEM



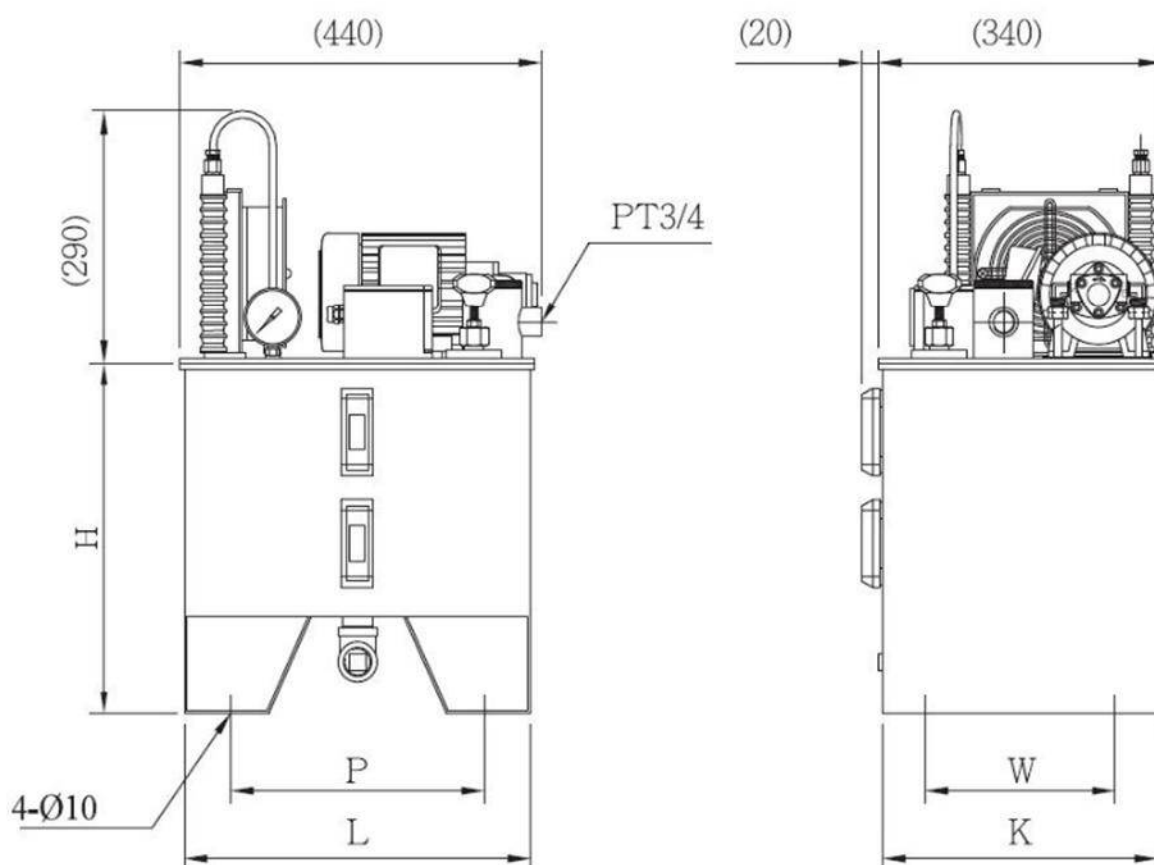
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Characteristics & Dimensions

MODEL	ISH YLD
Device Voltage (Volts)	220 o 380 (Tres Fase) 220 o 440 (Una Fase)
Unit Power (H.P.)	
Capacity Of Terminal Output (A)	0.30 A (Floating Switch) 3.00 A (Pressure Switch)
Poles	4
Current Frequency (Hz.)	
Maximum Output Pressure Mpa (kgf/cm ²)	0.50 (5.00)
Output VOlume (L/min)	2.70 (TOP-11A) 4.00 (TOP-12A) 5.20 (TOP-13A)
Floating Switch	Included
Pressure Switch (Kgf/cm ²)	Included
Pressure Gauge	Included
Output Bore	Ø6 Ø8 Ø10
Alarm Beeper	Not Included
Tank Capacity (Liter)	30 / 40

*** Diferent tanl capacity can be slect upon customers request.

**** Recomend oil viscosity range: 30-150 cSt.

***** Outpout volume is determines upon 60 Hz y 110 V/220 V.

***** because of continuos improvement, parameters can change without notice.

***** All dimensions are given in millimeters.



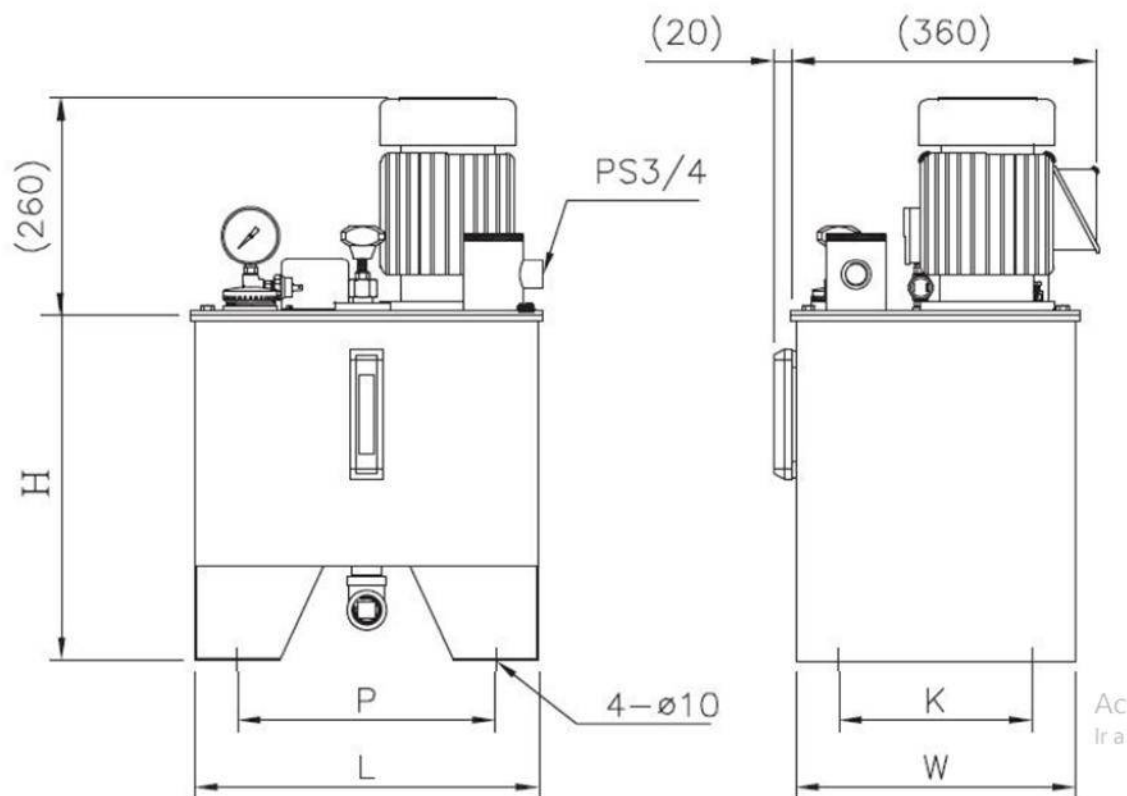
ISH YLS SERIES SM YLS SERIES

FORCED CYCLE LUBRICATION SYSTEM

ISH YLS SERIES SM YLS SERIES

FORCED CYCLE LUBRICATION SYSTEM





Characteristics & Dimensions

MODEL	ISH YLS
Device Voltage (Volts)	220 o 380 (Three Phase) 220 o 440 (One Phase)
Unit Power (H.P.)	½
Capacity Of Terminal Output (A)	0.30 A (Floating Switch) 3.00 A (Pressure Switch)
Poles	4
Current Frequency (Hz.)	50.00 / 60.00
Maximum Output Pressure Mpa (kgf/cm ²)	1.50 (15.00)
Output Volume (L/min at Ø6 mm.)	0.96 or 2.40
Floating Switch	Included
Pressure Switch (Kgf/cm ²)	Included
Pressure Gauge	Included
Output Bore	Ø6
	Ø8
	Ø10
Alarm Beeper	Not Included
Tank Capacity (Liter)	30 / 40 / 60 / 80 / 100

*** Different tank capacity can be select upon customers request.

**** Recommended oil viscosity range: 30-150 cSt.

***** Output volume is determines upon 60 Hz y 110 V/220 V.

***** because of continuos improvement, parameters can change withou notice.

***** All dimensions are given in millimeters.



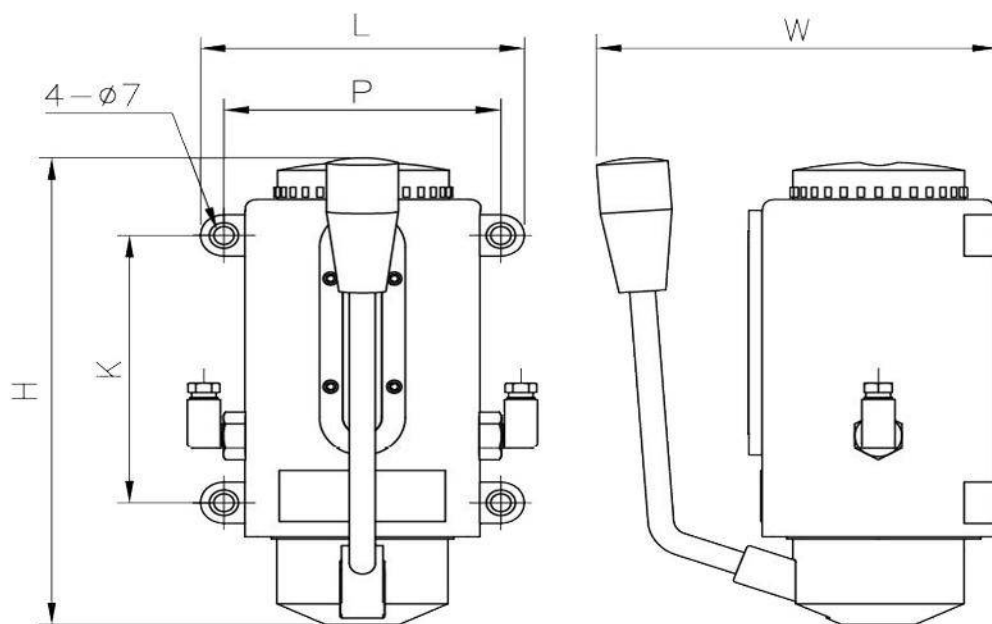
ISH YML SERIES SM YML SERIES

LEVER- SHAKE OILER

ISH YML-6 SM YML-6

ROCK TYPE OILER





Características & Dimensiones

Modelo	YML-6
Volumen De Salida (cm ³ /Ciclo)	6.00
Presión Máxima De Salida (Mpa/Kgf/cm ²)	1.50 (15.00)
Capacidad Del Deposito De Lubricante (cm ³)	350.00
Capacidad Efectiva Del Deposito De Lubricante (cm ³)	250.00
Diámetro De Salida	Ø4 o Ø6
Posición De Salida De Lubricante	Izquierda o Derecha
Peso Del Dispositivo (Kg)	1.40
Viscosidad Del Aceite (A 40° C)	20 ~ 150 cSt
L x W X H	100.00 x 130.00 x 170.00
P x K	85.00 x 85.00

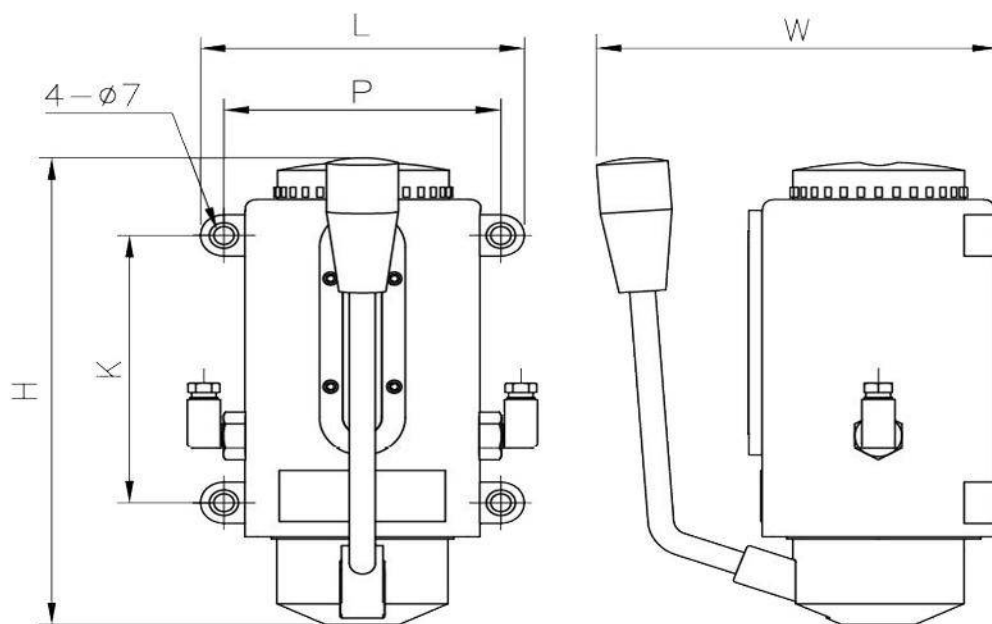
*** Pueden ser producidos modelos especiales de acuerdo a solicitud del cliente.

*** Todas las dimensiones están dadas en milímetros.

ISH YML-8 SM YML-8

ROCK TYPE OILER







Características & Dimensiones

Modelo	YML-8
Volumen De Salida (cm ³ /Ciclo)	8.00
Presión Máxima De Salida (Mpa/Kgf/cm ²)	1.50 (15.00)
Capacidad Del Deposito De Lubricante (cm ³)	600.00
Capacidad Efectiva Del Deposito De Lubricante (cm ³)	450.00
Diámetro De Salida	Ø4 o Ø6
Posición De Salida De Lubricante	Izquierda o Derecha
Peso Del Dispositivo (Kg)	1.40
Viscosidad Del Aceite (A 40° C)	20 ~ 150 cSt
L x W x H	120.00 x 150.00 x 200.00
P x K	100.00 x 110.00

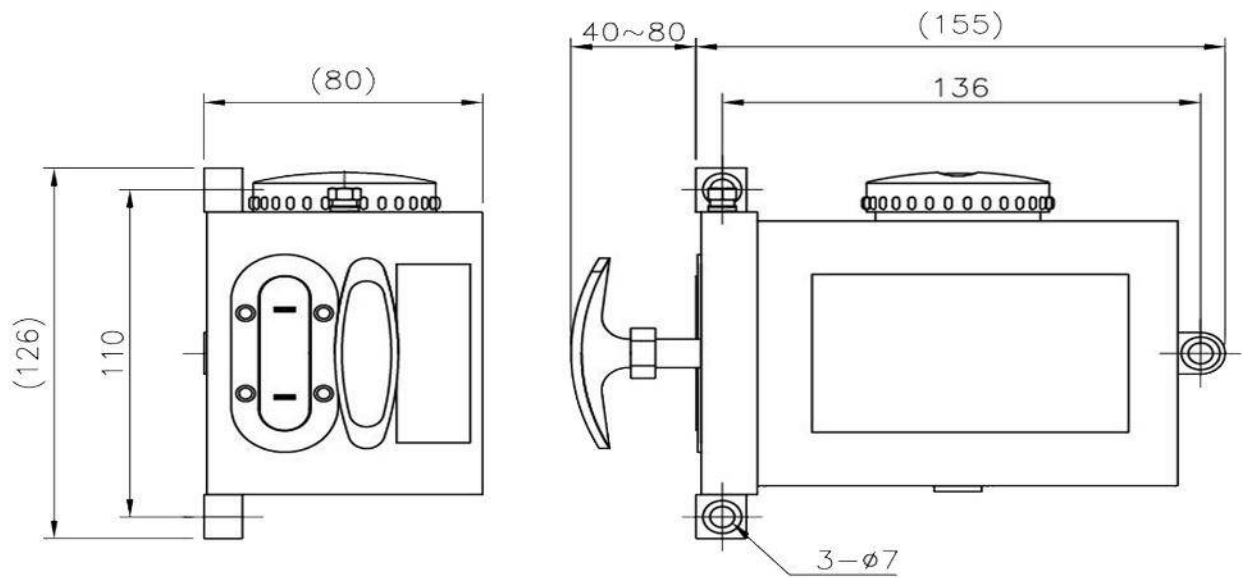
*** Pueden ser producidos modelos especiales de acuerdo a solicitud del cliente.

**** Todas las dimensiones están dadas en milímetros.

ISH YMT-8 SM YMT-8

PULL TYPE OILER







Características Y Dimensiones

Modelo	ISH YMT-8I
Volumen De Salida (cc/min)	8.00
Presión Máxima De Salida Mpa(Kgf/cm ²)	5.00 (En Promedio)
Capacidad Del Deposito De Aceite (c.c.)	600.00
Capacidad Efectiva (c.c.)	550.00
Diámetro De Salida	Ø4
Dirección De Las Salidas	Para Arriba o Para Abajo
Peso Total Del Sistema (Kg)	0.90
Material Del Deposito De Aceite	Metálico (Dispositivo Izquierdo)
*** Pueden ser producidos modelos especiales de acuerdo a solicitud del cliente. **** Todas las dimensiones están dadas en milímetros.	



ISH YSC-U SERIES SM YSC-U SERIES

MICRO SPRAY LUBRICATION SYSTEM

ISH YSC-U-1 SM YSC-U-1

MIST SPRAYING SYSTEM

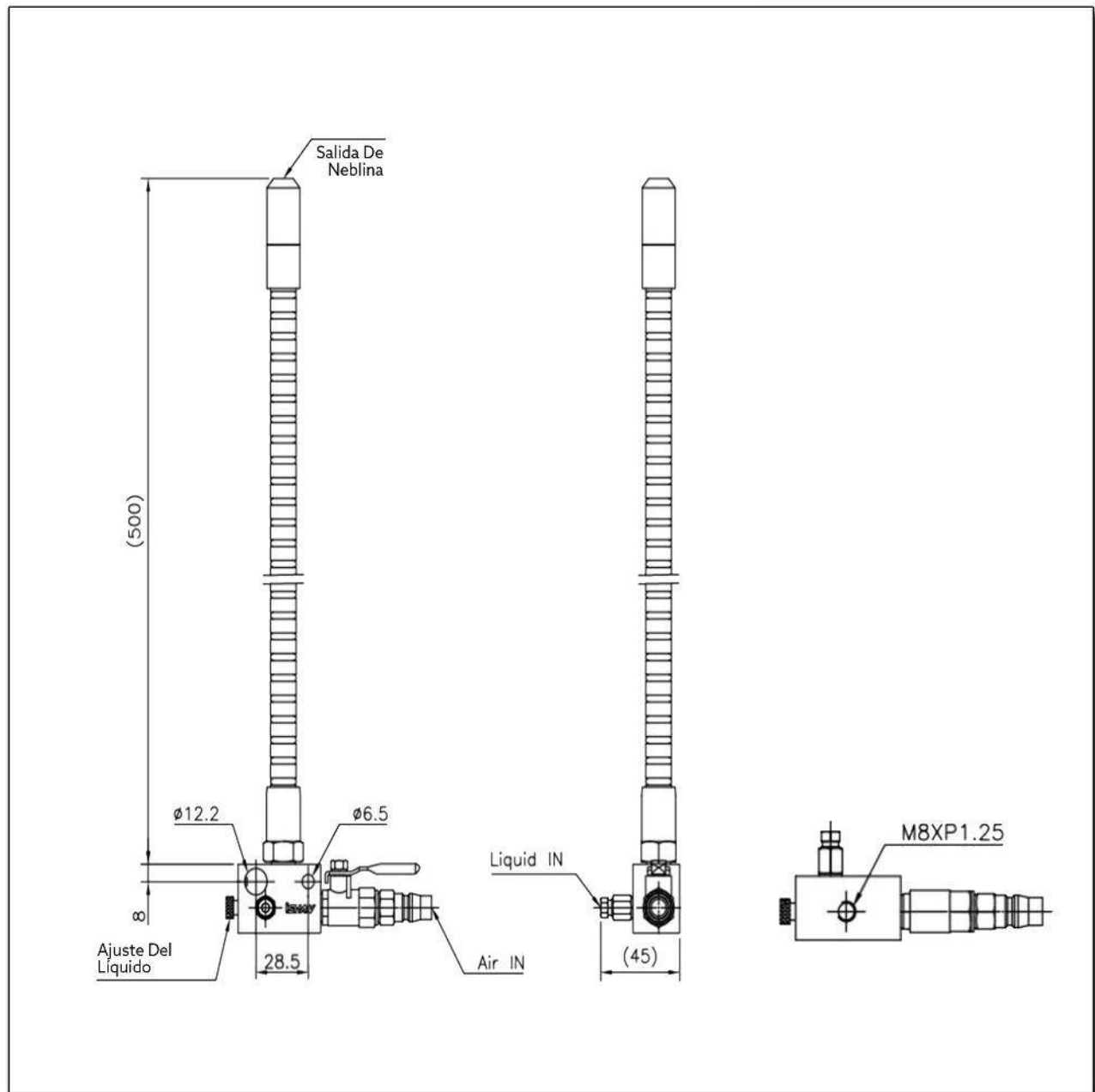




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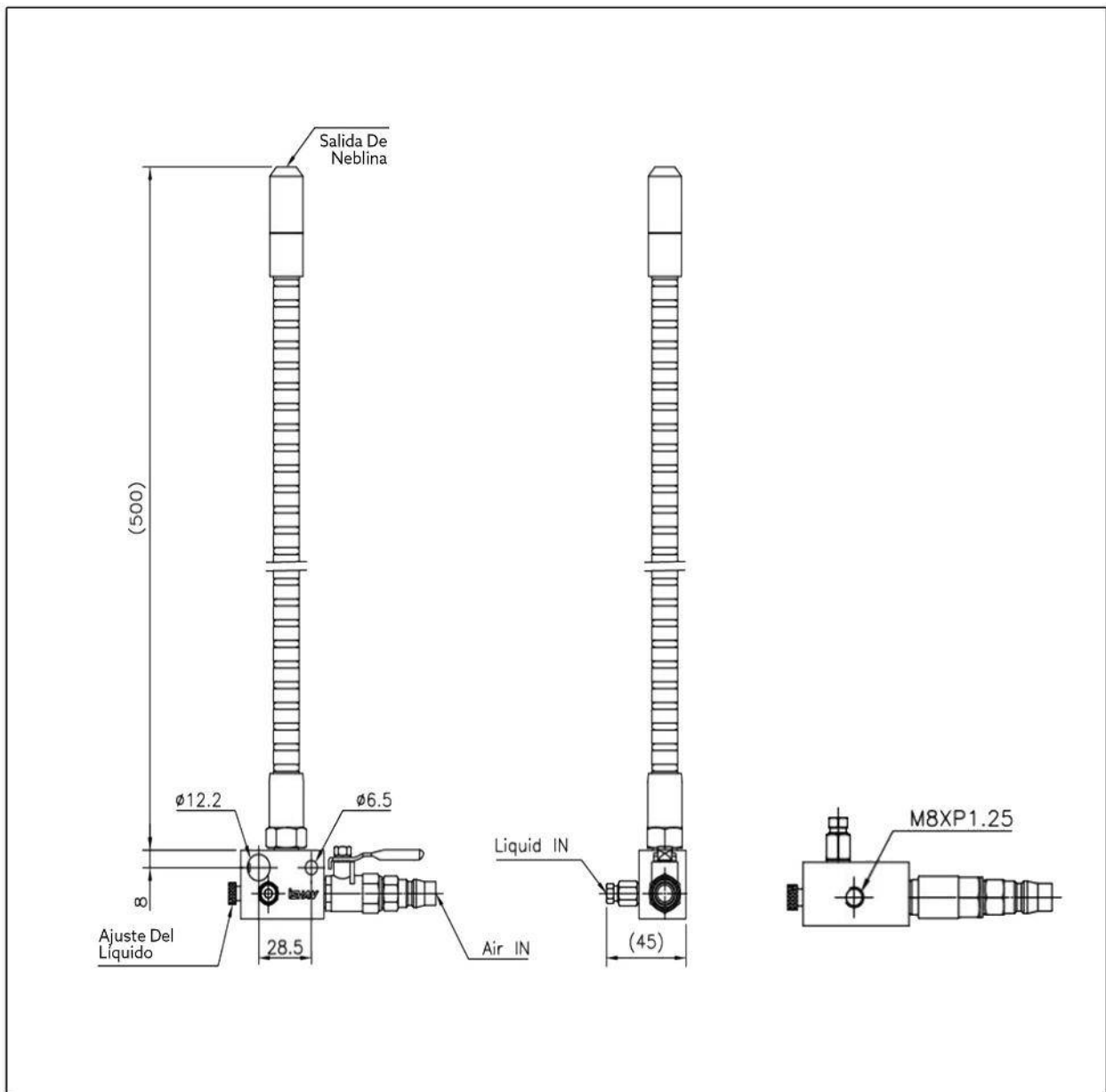
Características Y Dimensiones

Consumo De Líquido	ISH YSC-U-1
Agua	16.00 c.c. / min.
Aceite (R32)	7.00 c.c. / min.
**** Basado en la presión máxima de 0.40 Mpa (4.00 Kg/cm²) ***** Todas las dimensiones están dadas en milímetros.	

ISH YSC-U-2 SM YSC-U-2

MIST SPRAYING SYSTEM WITH MAGNETIC BASE







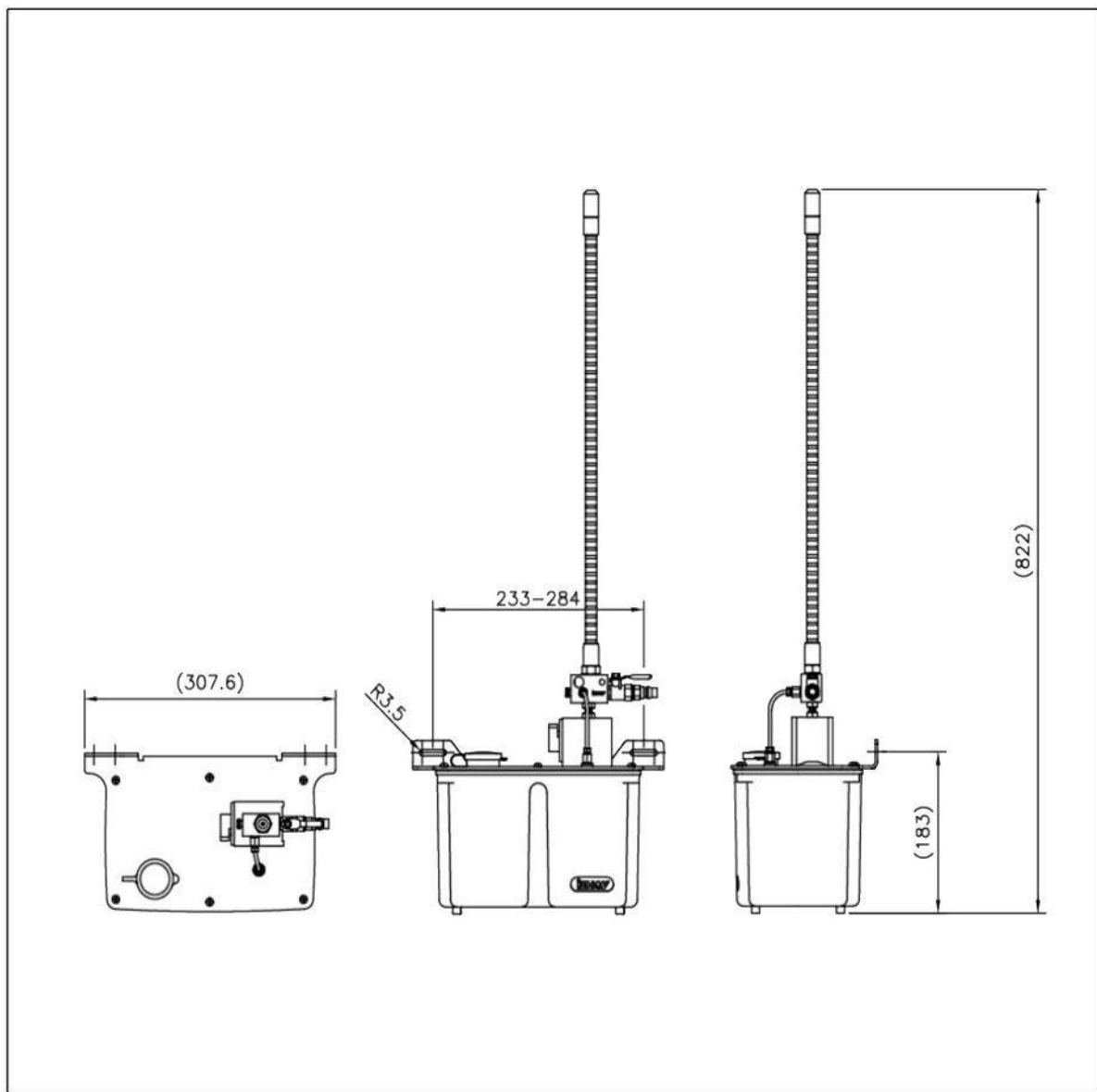
Características Y Dimensiones

Consumo De Líquido	ISH YSC-U-2
Agua	16.00 c.c. / min.
Aceite (R32)	7.00 c.c. / min.
**** Basado en la presión máxima de 0.40 Mpa (4.00 Kg/cm²) ***** Todas las dimensiones están dadas en milímetros.	

ISH YSC-U-3 SM YSC-U-3

MIST SPRAYING SYSTEM WITH OIL DEPOSIT







Características Y Dimensiones

Consumo De Líquido	ISH YSC-U-3
Agua	16.00 c.c. / min.
Aceite (R32)	7.00 c.c. / min.
**** Basado en la presión máxima de 0.40 Mpa (4.00 Kg/cm²) ***** Todas las dimensiones están dadas en milímetros.	



ISH YSM-A SERIES SM YSM-A SERIES

SPRAY OIL MIST LUBRICATION SYSTEM

ISH YSM-A SM YSM-A

SPRAY MIST LUBRICATOR





Characteristics & Dimensions

MODEL	ISH YSM-A
Voltage (Single Phase)	110 or 220
Capacity Of Terminal Output	DC / AC 250 Volts 3.00 Amp
Lubrication Time (Second/Minute/Cycle)	1 ~ 999
Intermittent Time (Second/Minute/Cycle)	1 ~ 999
Output Bore	Ø6
Air Pressure Range Mpa (Kgf/cm ²)	0.30 - 0.50 (3.00 - 5.00)
Spray Particle Size	4.00µm - 10.00µm
Alarms Beeper	Included
Float Switch	Included
Oil Tank Capacity (Liter)	4.00
Pressure Gauge	Included
Total Weight	10.10

*** Especial configurations can be manufacture under special customer orders.

**** All dimensions are given in millimeters.

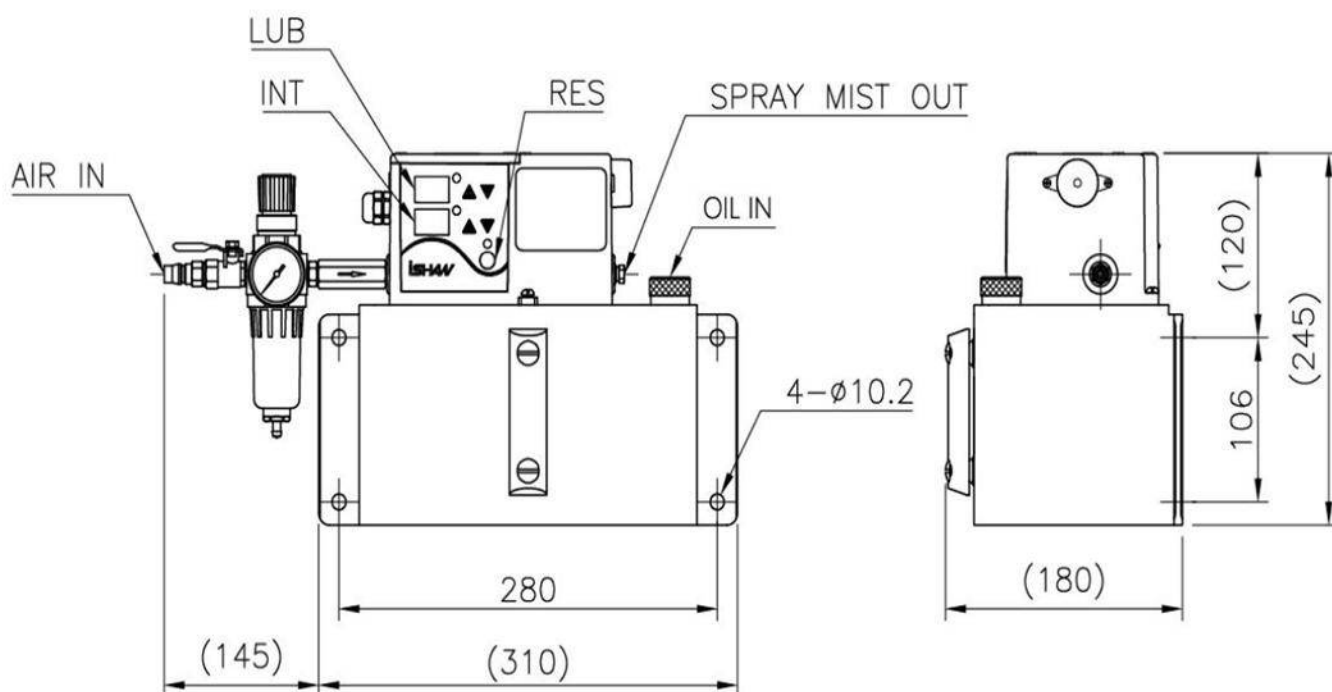
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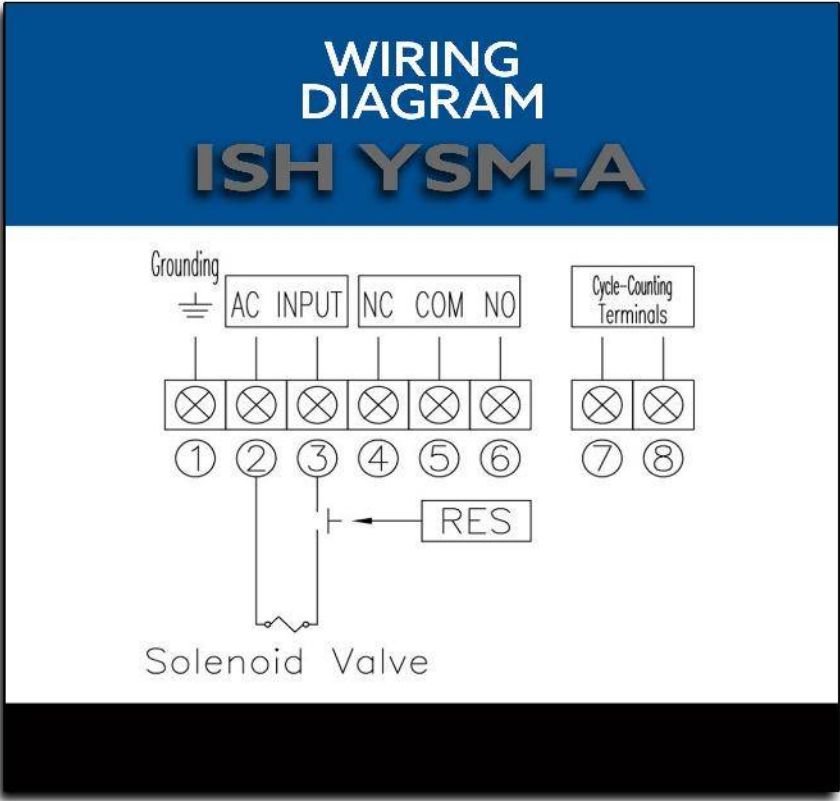
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ORDERING CODE

Order Code | YSM - A 4L - 1 06

Control type

A = Digital timer



Voltage

1 = 110V
2 = 220V

Output bore

06 = 6mm



ISH YSM-C SERIES

SM YSM-C SERIES

SPRAY OIL MIST LUBRICATION SYSTEM

ISH YSM-C SM YSM-C

SPRAY MIST LUBRICATOR



Characteristics & Dimensions

MODEL	ISH YSM-C
Voltage (Single Phase)	110 or 220
Capacity Of Terminal Output	0.30A (Floating Switch)
Lubrication Time (Second/Minute/Cycle)	In Cooperation With PLC Control System
Intermittent Time (Second/Minute/Cycle)	In Cooperation With PLC Control System
Output Bore	Ø6
Air Pressure Range Mpa (Kgf/cm ²)	0.30 - 0.50 (3.00 - 5.00)
Spray Particle Size	4.00µm - 10.00µm
Alarms Beeper	NOT Included
Float Switch	Included
Oil Tank Capacity (Liter)	4.00
Pressure Gauge	Included
Total Weight	10.10

*** Especial configurations can be manufacture under special customer orders.
 *** All dimensions are given in millimeters.

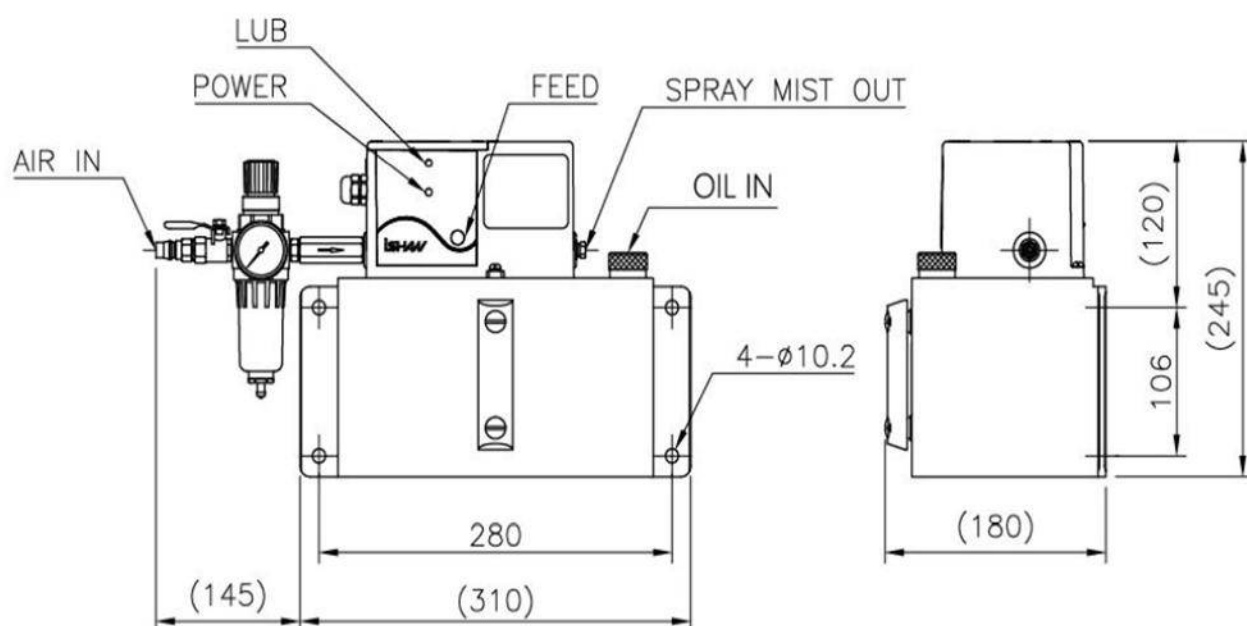
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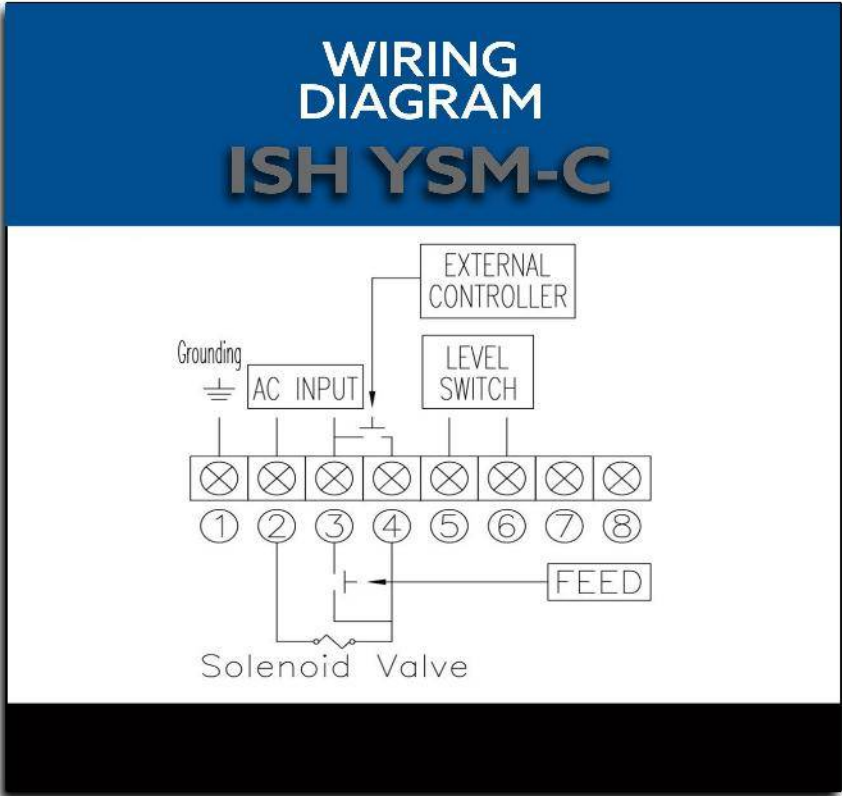
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ORDERING CODE

YSM - C 4L - 1 06

Tipo De Control	■ Voltaje	Diametro De Salida
C = PLC	1 = 110 volts 2 = 220 volts	06 = 6mm



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ISHAN PRECISION INDUSTRY, CO, LTD



MEXICO BRANCH OFFICE

Roberto Diaz No. 401
Ciudad Industrial
Aguascalientes, Ags.
México
20290

4ManPro@4ManPro.com
+52 (449) 171 3420
www.4ManPro.com/SPA/



USA BRANCH OFFICE

708 Main St.
10th Floor
Houston, Tx, USA
77002

4ManPro_USA@4ManPro.com
+1 (832) 871 5022
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