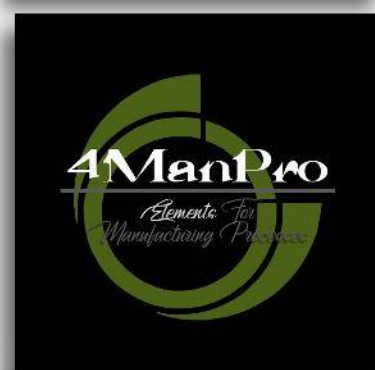




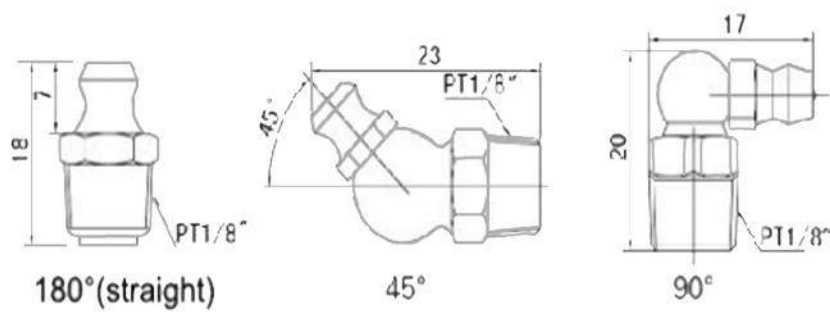
**ADAPTORS &
COMPLEMENTS
FULL CATALOG**

SERIES	DESCRIPTION	PAGE
■	ADAPTORS & COMPLEMENTS	
	▶ GREASE FITTING	SM 4400 1
	▶ STRAIGHT ADAPTER FOR NYLON TUBES	SM 440N03-C 8
	▶ ELBOW ADAPTER FOR NYLON TUBES	SM 440N06-L 10
	▶ ELECTRIC IMMERSION PUMP	SM BEIP 12
	▶ ELECTRIC SUCTION PUMP	SM BESP 27
	▶ OIL FILTER	SM PF 36
	▶ DOUBLE-SIDED OIL FILTER	SM PR 39
	▶ OIL FILTER WITH AUTOMATIC DRAIN	SM PRC 42
	▶ OIL FEED PUMP	SM VOP 45
	▶ OIL FEED PUMP	SM 1RA 66
	▶ ENGINE FOR CONNECTION WITH STEEL HOUSING	SM BL 72
	▶ RESIN REPLACEMENT OIL TANK	SM DAR 156001 81
	▶ STEEL REPLACEMENT OIL TANK	SM DAR 156013 87
	▶ ALUMINUM REPLACEMENT OIL TANK	SM DAR 156145 93
	▶ COMPRESSION NUT	SM DP 96
	▶ SL OIL FILTER	SM FL 99
	▶ GREASE FILTER	SM FL-H2 102
	▶ REEL PRESSURE SWITCH	SM FPS 104
	▶ FLOAT SWITCH	SM FS 107
	▶ HORIZONTAL PRESSURE GAUGE	SM HPG 109
	▶ TANK SUCTION FILTER	SM IF 112
	▶ BALL VALVE	SM M 114
	▶ SPRING TUBE FOR NYLON HOSE	SM NPS 116
	▶ TUBE (COPPER, ALUMINUM, PLASTIC & NYLON)	SM P 118
	▶ COMPRESSION BUSHING	SM PA 120
	▶ STAINLESS STEEL HOSE COMPRESSION	SM PB 123
	▶ ELBOW ADAPTER WITH PIVOT	SM PC 126
	▶ STRAIGHT ADAPTER	SM PD 129
	▶ UNI-DIRECTIONAL STRAIGHT ADAPTER	SM PD-A 132
	▶ REVERSIBLE FLOW STRAIGHT ADAPTER	SM PD-B 135
	▶ FLAT PIVOT ELBOW ADAPTER	SM PE 138
	▶ PLUG	SM PG 141
	▶ ELBOW ADAPTER WITH PIVOT	SM PG-C 144
	▶ ELBOW ADAPTER	SM PH 147
	▶ UNI-DIRECTIONAL FLOW ELBOW ADAPTER	SM PH-A 150
	▶ REVERSIBLE FLOW ELBOW ADAPTER	SM PH-B 153
	▶ 3-WAY CONNECTOR	SM PHD03 156
	▶ 4-WAY CONNECTOR	SM PHD04 159
	▶ 5-WAY CONNECTOR	SM PHD05 162
	▶ FLAT ELBOW ADAPTER	SM PI 165
	▶ 2-WAY CONNECTOR	SM PJ 168
	▶ CROSS CONNECTOR	SM PJD 171
	▶ CONNECTOR	SM PK 174
	▶ T-CONNECTOR	SM PKD 177
	▶ STRAIGHT PIVOT ADAPTER	SM PM 180
	▶ COMPRESSION INSERT	SM PPD 183
	▶ STEEL MESH ARMORED HOSE	SM P-SF 186
	▶ PRESSURE SWITCH (MECHANICAL TYPE)	SM PSMT 189
	▶ FLEXIBLE HOSE	SM PST 192
	▶ 3-WAY CONNECTOR	SM PT 195
	▶ TUBE CLAMPING CLIP	SM PZ 198
	▶ UPPER ADJUSTMENT VALVE	SM TAV 201
	▶ TOP OIL FEED PUMP	SM TOP 203
	▶ VERTICAL PRESSURE GAUGE	SM VPG 212
	▶ FIXED FLOW ELECTROMAGNETIC PUMP	SM YEL-C 215
	▶ PUMP VARIABLE FLOW ELECTROMAGNETIC	SM YEL-D 217

ISH 4400 SM 4400

GREASERS







Characteristics & Dimensions

MODEL	CONEXIÓN	WEIGHT (gr)
440029	PT1/4" X 45°	15.00
440026	PT1/8 X 45°	8.50
440027	PT1/8" X 90°	9.00
440057	M8 X 90°	8.00
440023	PT1/4" X 180°	12.50
440000	PT1/8" X 180°	8.50
440047	M8 X 180°	4.00

*** This products are manufactured in Zamak.
 **** All dimensions are given in millimeters.

ISH 440N03-C SM 440N03-C

STREIGHT ADAPTOR FOR NYLON TUBE



Characteristics & Dimensions

MODEL	DIMENSIONS	WEIGHT (gr)
440N03-C1006	PT1/8" x Ø6	16.00
440N03-C1010	PT1/8" x PE1/8"	12.00
440N03-C1020	PT1/8" x PE1/4"	16.00
440N03-C1025	PT1/8" x PE5/16"	18.00
440N03-C2006	PT1/4" x Ø6	22.00
440N03-C2010	PT1/4" x Ø10	28.00
440N03-C2020	PT1/4" x PE1/4"	21.00
440N03-C2025	PT1/4" x PE5/16"	25.00
440N03-C2030	PT1/4" x PE3/8"	27.50
440N03-C3020	PT3/8" x PE1/4"	27.50

*** This products ara manufactured from zamak..

**** All dimensions are given in millimeters.

ISH 440N06-L SM 440N06-L

Elbow Adaptor For Nylon Tube



Characteristics & Dimensions

MODEL	DIMENSIONS	WEIGHT (gr)
440N06-L102	PT1/8" x PE1/4"	16.50
440N06-L1025	PT1/8" x PE5/16"	23.50
440N06-L2006	PT1/4" x Ø6	25.50
440N06-L2010	PT1/4" x Ø10	30.50
440N06-L2020	PT1/4" x PE1/4"	26.00
440N06-L2025	PT1/4" x PE5/16"	32.50
440N06-L203	PT1/4" x PE3/8"	34.50
440N06-L302	PT3/8" x PE1/4"	31.50

*** This products are manufactured in Zamak.

**** All dimensions are given in millimeters.

ISH BEIP-1

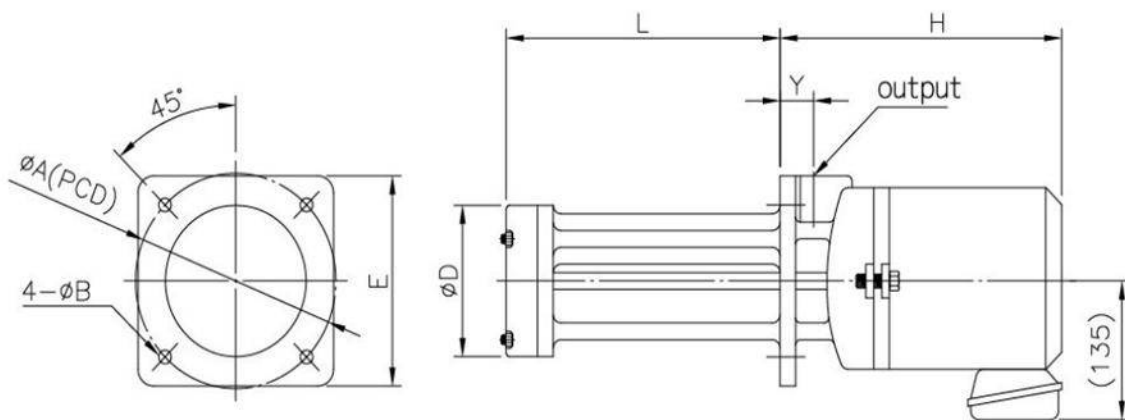
Electric Suction Pump

(1/8 H.P. Electric Motor)



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







Characteristics & Dimensions

MODEL	ISH BEIP-1
Voltage In One Phase <i>(Volts)</i>	110/220 220/380 220/440
Motor Power <i>(H.P.)</i>	0.125
H	150.00
Pumping Water Capacity 2 m. <i>(L/min)</i>	25.00
Output Bore <i>(Ancho)</i>	PT3/8"
ØA	128.00
ØB	8
E	125.000
ØD	90.00
Y	18.00
L	110/130/150/180/210
Device Total weight <i>(Kg)</i>	6.40

*** Special configuration can be manufactured upon customers request.

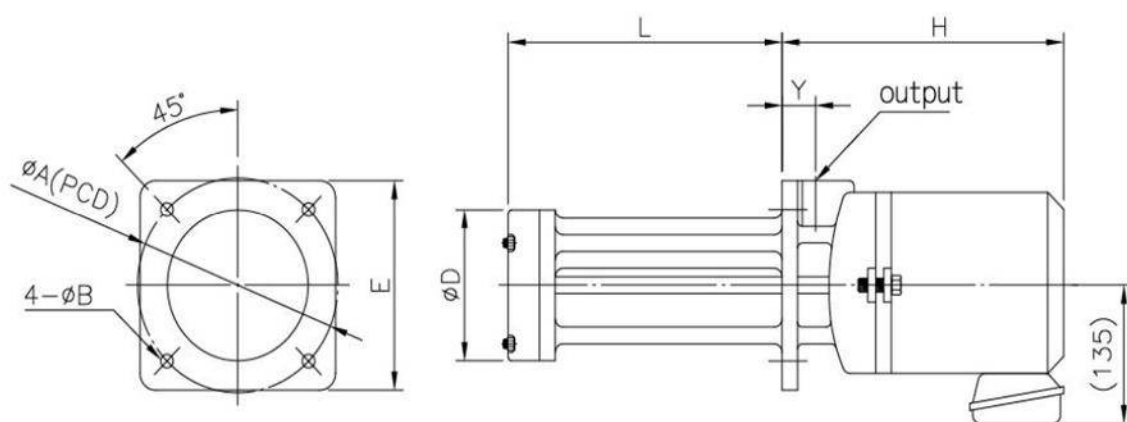
**** All dimensios are given in millimeters.

ISH BEIP-2 SM BEIP-2

ELECTRIC SUCTION PUMP

(1/4 H.P. Electric Motor)





Characteristics & Dimensions

MODEL	ISH BEIP-2
Voltage In One Phase <i>(Volts)</i>	110/220 220/380 220/440
Motor Power <i>(H.P.)</i>	1/4
H	170.00
Pumping Water Capacity 2 m. <i>(L/min)</i>	60.00
Output Bore <i>(Ancho)</i>	PT 1/2"
ØA	155.00
ØB	9.00
E	180.000
ØD	125.00
Y	20.00
L	150/180/210/270
Device Total weight <i>(Kg)</i>	13.50

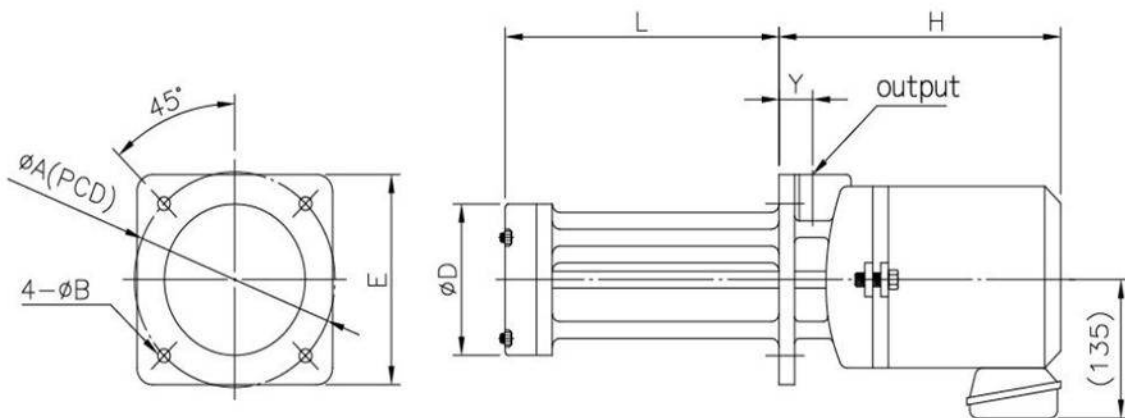
*** Special configuration can be manufactured upon customers request.
**** All dimensios are given in millimeters.

ISH BEIP-3 SM BEIP-3

ELECTRIC SUCTION PUMP

(1/2 H.P. Electric Motor)







Characteristics & Dimensions

MODEL	ISH BEIP-3
Voltage In One Phase (Volts)	110/220 220/380 220/440
Motor Power (H.P.)	½
H	230.00
Pumping Water Capacity 2 m. (L/min)	107.00
Output Bore (Ancho)	PT¾"
ØA	170.00
ØB	9
E	180.000
ØD	140.00
Y	20.00
L	150
Device Total weight (Kg)	19.40

*** Special configuration can be manufactured upon customers request.

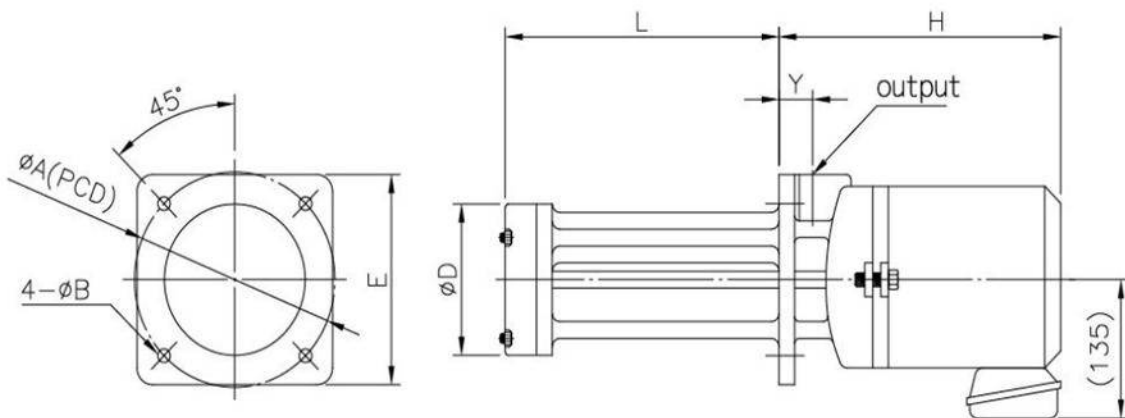
**** All dimensios are given in millimeters.

ISH BEIP-4 SM BEIP-4

ELECTRIC SUCTION PUMP

(1/2 H.P. Electric Motor)







Characteristics & Dimensions

MODEL	ISH BEIP-4
Voltage In One Phase (Volts)	110/220 220/380 220/440
Motor Power (H.P.)	½
H	240.00
Pumping Water Capacity 2 m. (L/min)	107.00
Output Bore (Ancho)	PT¾"
ØA	170.00
ØB	10
E	195.000
ØD	140.00
Y	25.00
L	175/210/300
Device Total weight (Kg)	19.40

*** Special configuration can be manufactured upon customers request.

**** All dimensios are given in millimeters.

ISH BEIP-5 SM BEIP-5

ELECTRIC SUCTION PUMP

(1 H.P. Electric Motor)



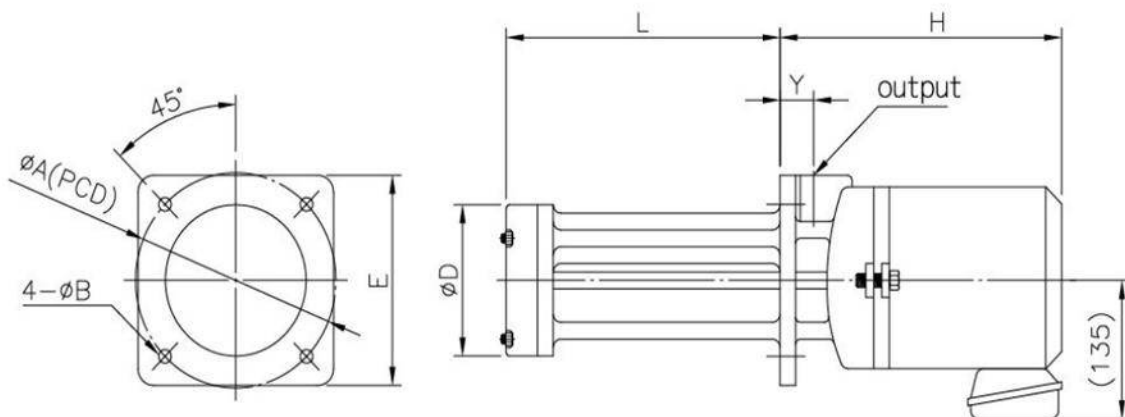
SMUS

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 BEIP-5
Voltage In One Phase <i>(Volts)</i>	110/220 220/380 220/440
Motor Power <i>(H.P.)</i>	1.000
H	295.00
Pumping Water Capacity 2 m. <i>(L/min)</i>	160.00
Output Bore <i>(Ancho)</i>	PT1"
ØA	170.00
ØB	10
E	195.000
ØD	150.00
Y	27.00
L	180/280
Device Total weight <i>(Kg)</i>	24.20

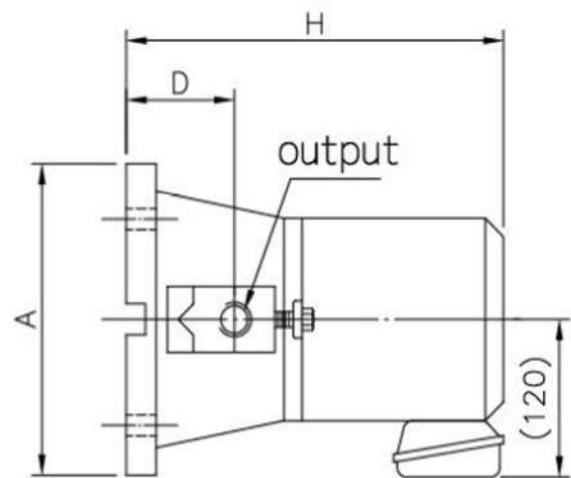
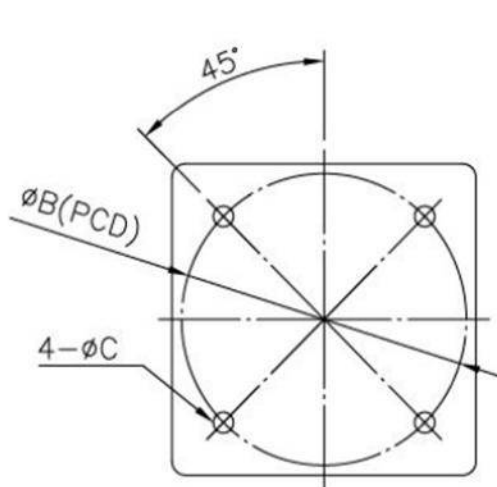
*** Special configuration can be manufactured upon customers request.
**** All dimensios are given in millimeters.

ISH BEBP-1 SM BEBP-1

ELECTRIC SUCTION PUMP

(1/8 H.P. Electric Motor)







Characteristics & Dimensions

MODEL	ISH BESP-1
Voltage In One Phase (Volts)	110/220 220/380 220/440
Motor Power (H.P.)	1/8
H	175.00
Pumping Water Capacity 2 m. (L/min)	22.00
Input	PT3/8"
Output	PT3/8"
A	142.00
B	140.00
ØC	8.00
D	48.00
Total Device Weight (Kg)	65

**The Output Volume is Calculated on a Pump Performance at 60Hz.

***The Motor Should Be Positioned At The Bottom Of The Coolant.

****The coolant level must be higher than the pump inlet to ensure convenient operation.

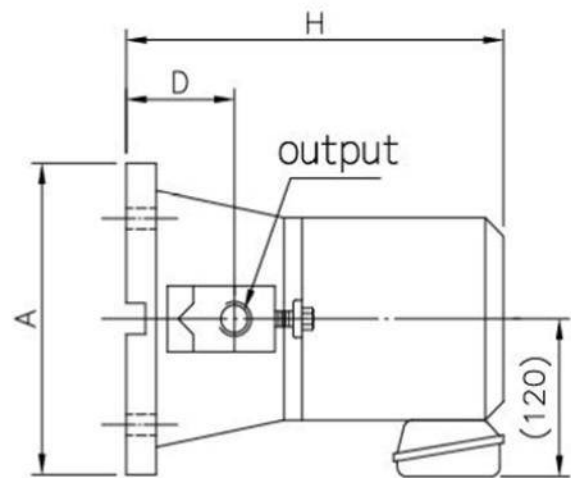
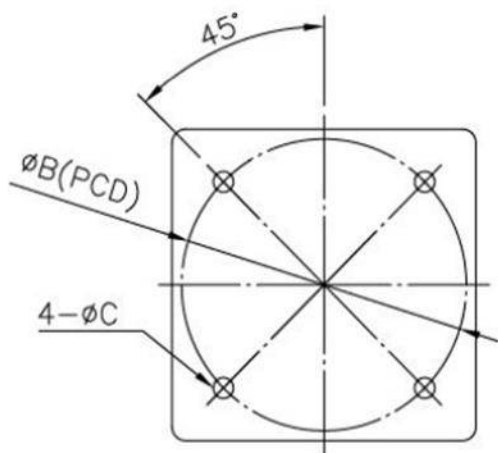
***** All dimensions are given in millimeters.

ISH BE SP-2 SM BE SP-2

ELECTRIC SUCTION PUMP

(1/4 H.P. Electric Motor)





Characteristics & Dimensions

MODEL	ISH BESP-2
Voltage In One Phase (Volts)	110/220 220/380 220/440
Motor Power (H.P.)	1/4
H	235.00
Pumping Water Capacity 2 m. (L/min)	56.00
Input	PT ³ / ₄ "
Output	PT ¹ / ₂ "
A	185.00
B	185.00
ØC	9.00
D	55.00
Total Device Weight (Kg)	14.20

**The Output Volume is Calculated on a Pump Performance at 60Hz.

***The Motor Should Be Positioned At The Bottom Of The Coolant.

****The coolant level must be higher than the pump inlet to ensure convenient operation.

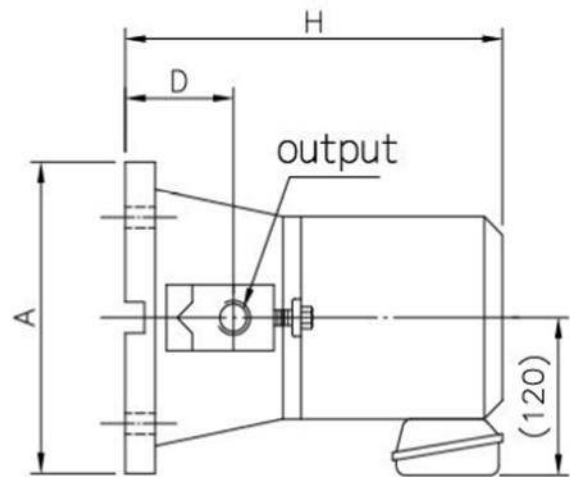
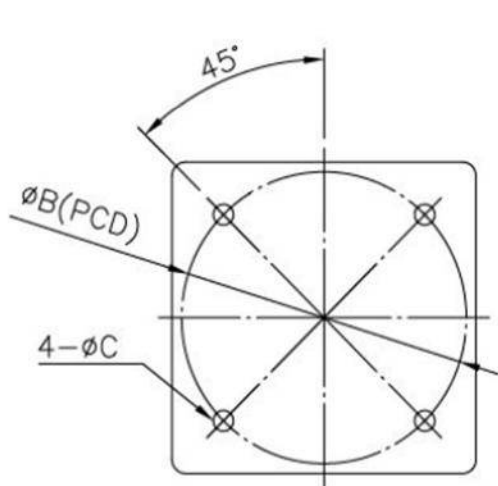
***** All dimensions are given in millimeters.

ISH BESP-3 SM BESP-3

ELECTRIC SUCTION PUMP

(1/2 H.P. Electric Motor)





Characteristics & Dimensions

MODEL	ISH BESP-3
Voltage In One Phase (Volts)	110/220 220/380 220/440
Motor Power (H.P.)	½
H	310.00
Pumping Water Capacity 2 m. (L/min)	100.00
Input	PT1"
Output	PT¾"
A	165.00
B	185.00
ØC	10.00
D	70.00
Total Device Weight (Kg)	18.50

**The Output Volume is Calculated on a Pump Performance at 60Hz.

***The Motor Should Be Positioned At The Bottom Of The Coolant.

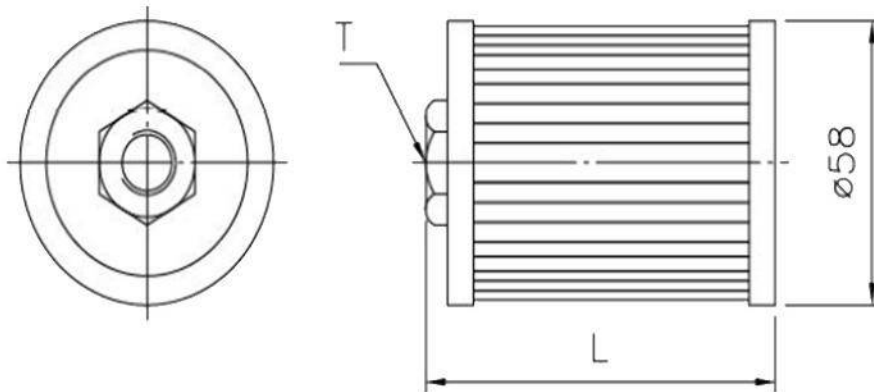
****The coolant level must be higher than the pump inlet to ensure convenient operation.

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

ISH PF
SM PF

OIL FILTER







Characteristics & Dimensions

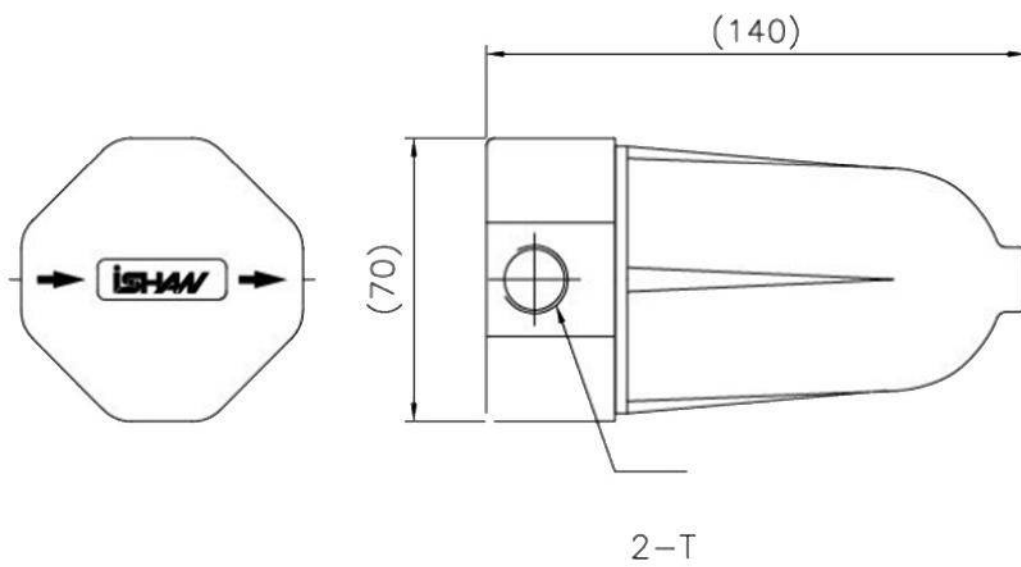
MODEL	T	L	FILTERING PRECISSION	WEIGHT (gr)
PF25806	PT1/4"	60.00	196.00 μm	125.00 gr
PF25808	PT1/4"	80.00	196.00 μm	140.00 gr
PF25810	PT1/4"	100.00	196.00 μm	150.00 gr
PF35806	PT1/8"	60.00	196.00 μm	120.00 gr
PF35808	PT1/8"	80.00	196.00 μm	130.00 gr
PF35810	PT1/8"	100.00	196.00 μm	135.00 gr

*** Filtering Precision is given in μm .
 **** All dimensions are given in millimeters.

ISH PR
SM PR

DOUBLE SIDED OIL FILTER







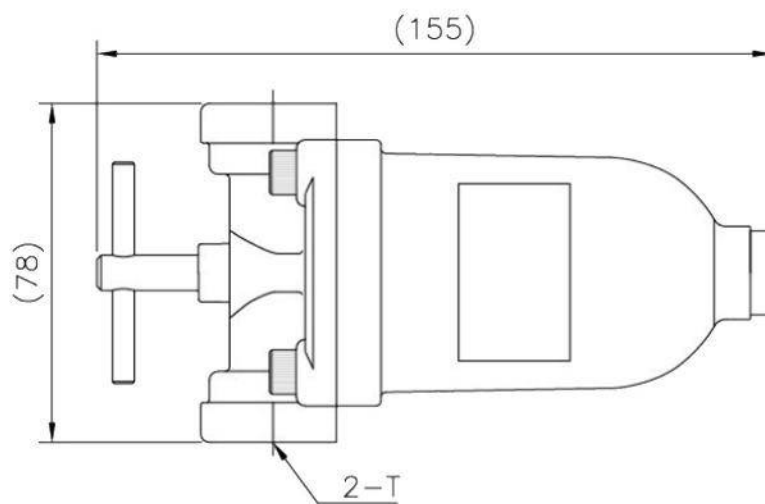
Characteristics & Dimensions

Model	Input x Output	Filter Grain	Weight
PR0202	PS1/4" x PS1/4"	196.00 μ m	1,000.00 gr
PR0303	PS3/8" x PS3/8"	196.00 μ m	1,000.00 gr
*** Sll dimensions are given in millimeters.			

ISH PR-C SM PR-C

OIL FILTER WITH AUTOMATIC PURGE







Characteristics & Dimensions

Model	Input x Output	Filter Grain	Maximum Output Volume	Maximum Working Pressure
PR-C1	PS1/4" x PS1/4"	60.00 μ m	20.00 L/min	15.00 Kg/cm ²
PR-C2	PS3/8" x PS3/8"	60.00 μ m	20.00 L/min	15.00 Kg/cm ²
PR-C3	PS1/2" x PS1/2"	60.00 μ m	20.00 L/min	15.00 Kg/cm ²

**** All dimensions are given in millimeters.

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)

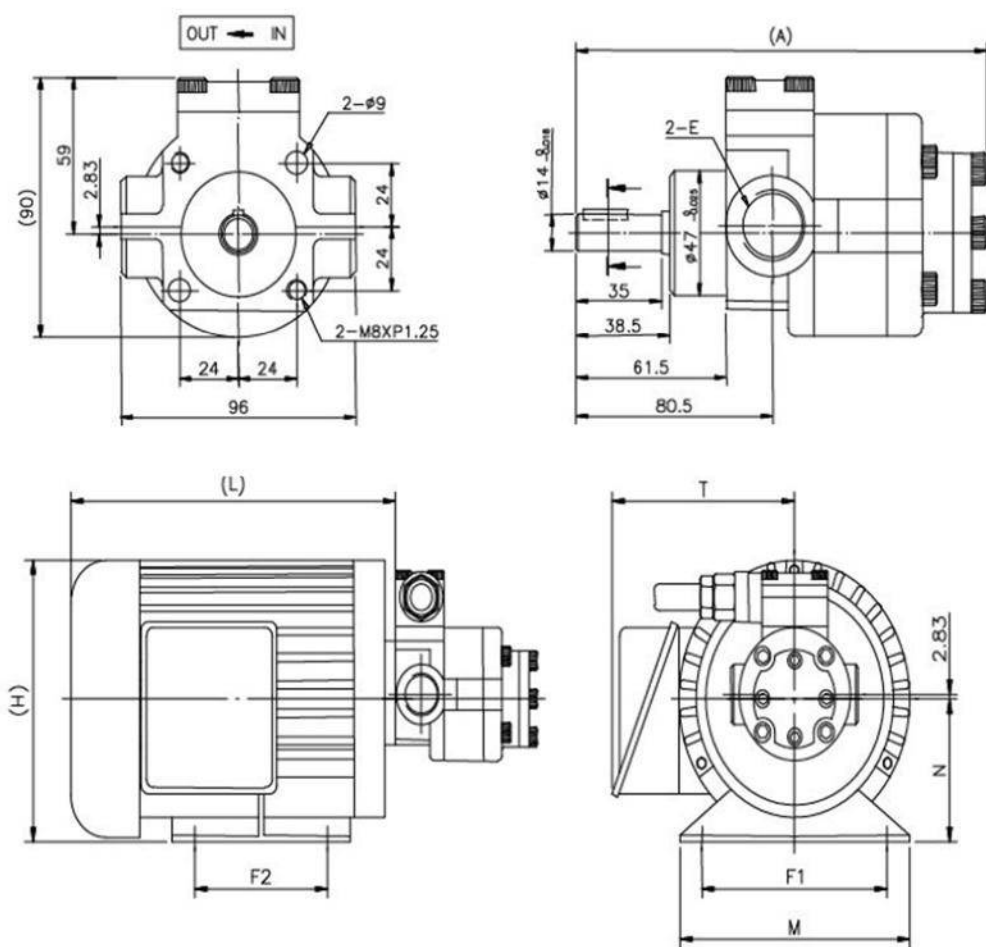
SMUS

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

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).

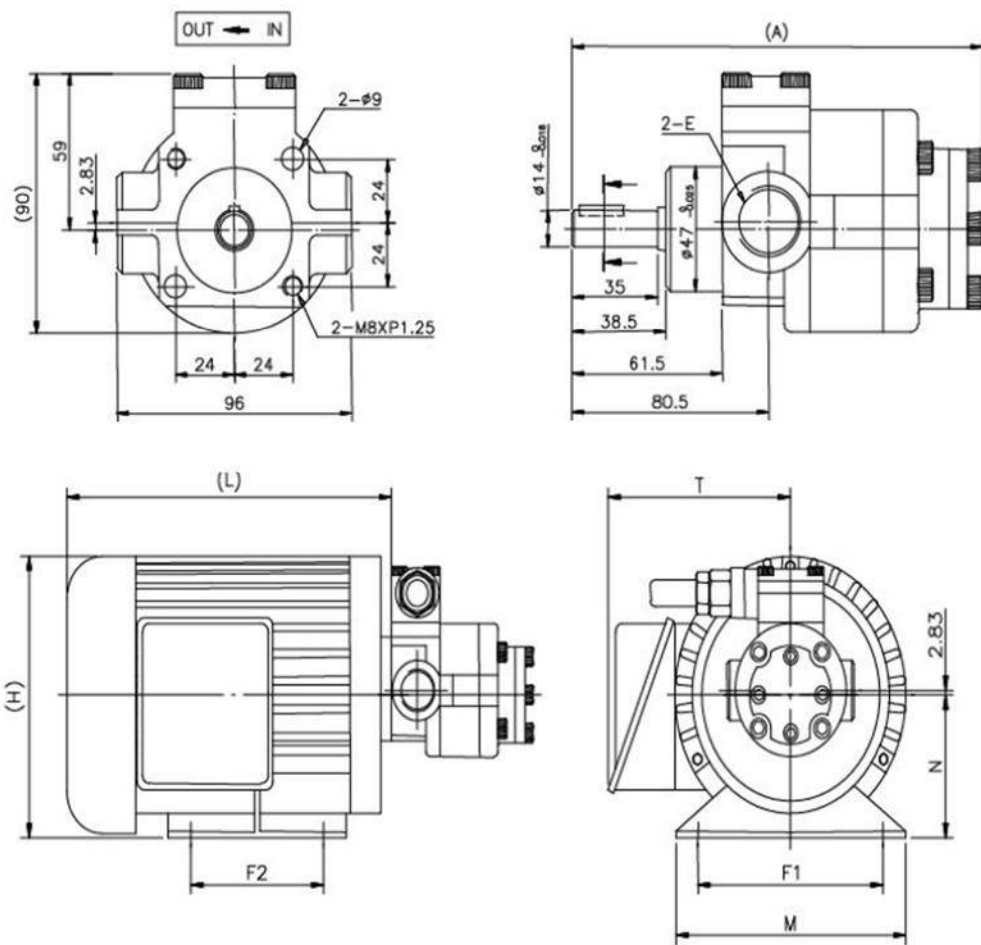
***** All dimensions are given in millimeters.

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)

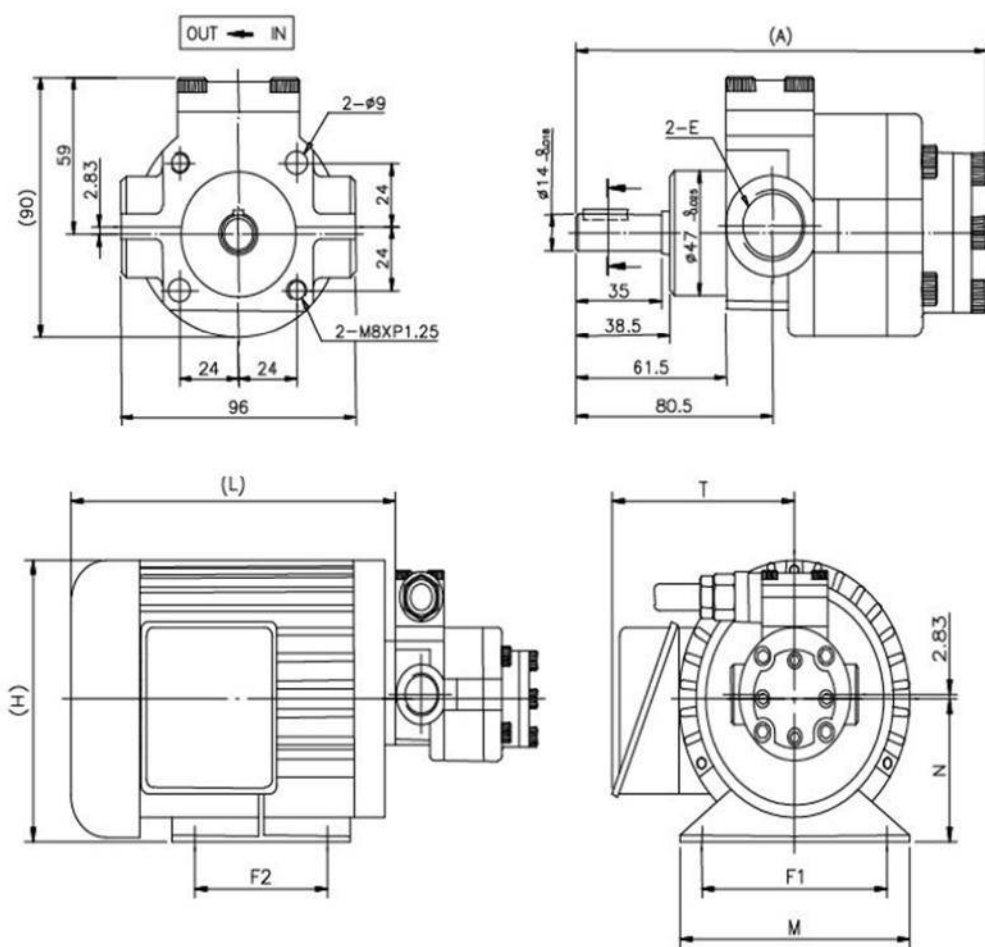
SMUS

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

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



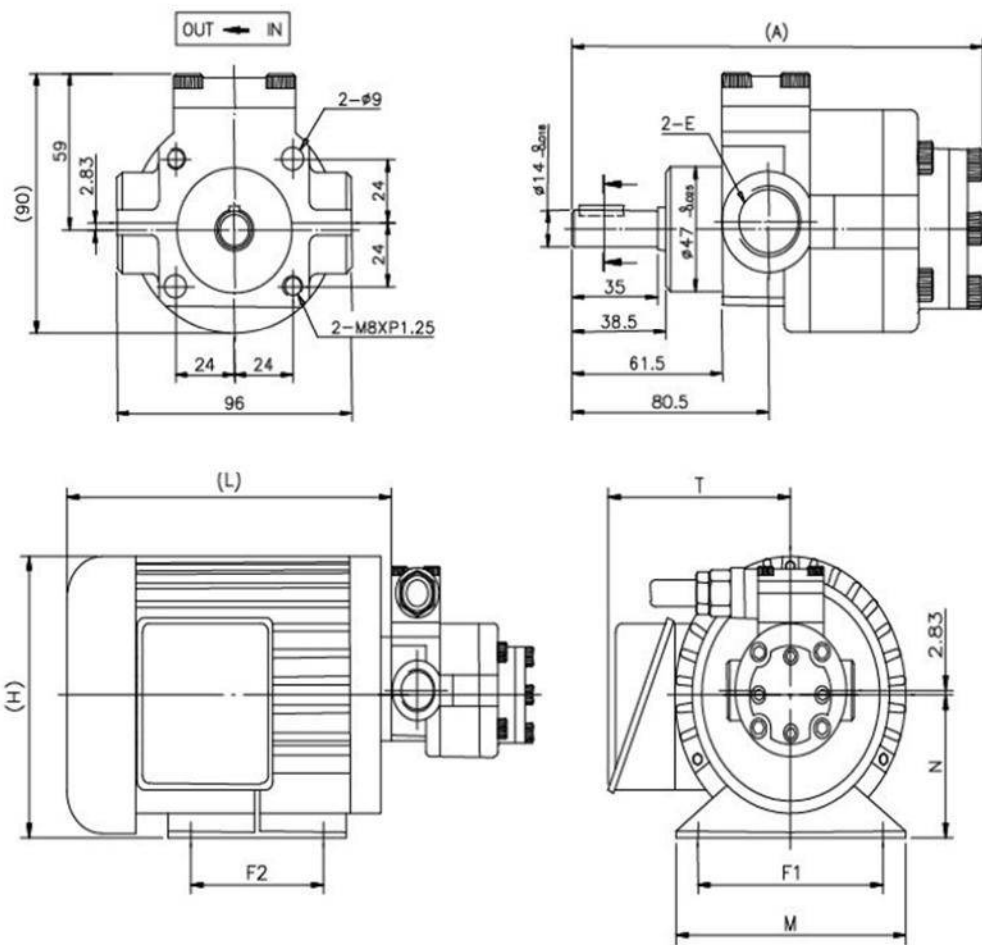
- a) The structure of the valve is simple and easy to adjust.
- b) It works together with TOP type feed pumps to regulate the pressure of the pipes.
- c) The pressure adjustment range is: 0.20 ~ 0.50 MPa(Kgf/cm²)



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



ISHAW
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 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)

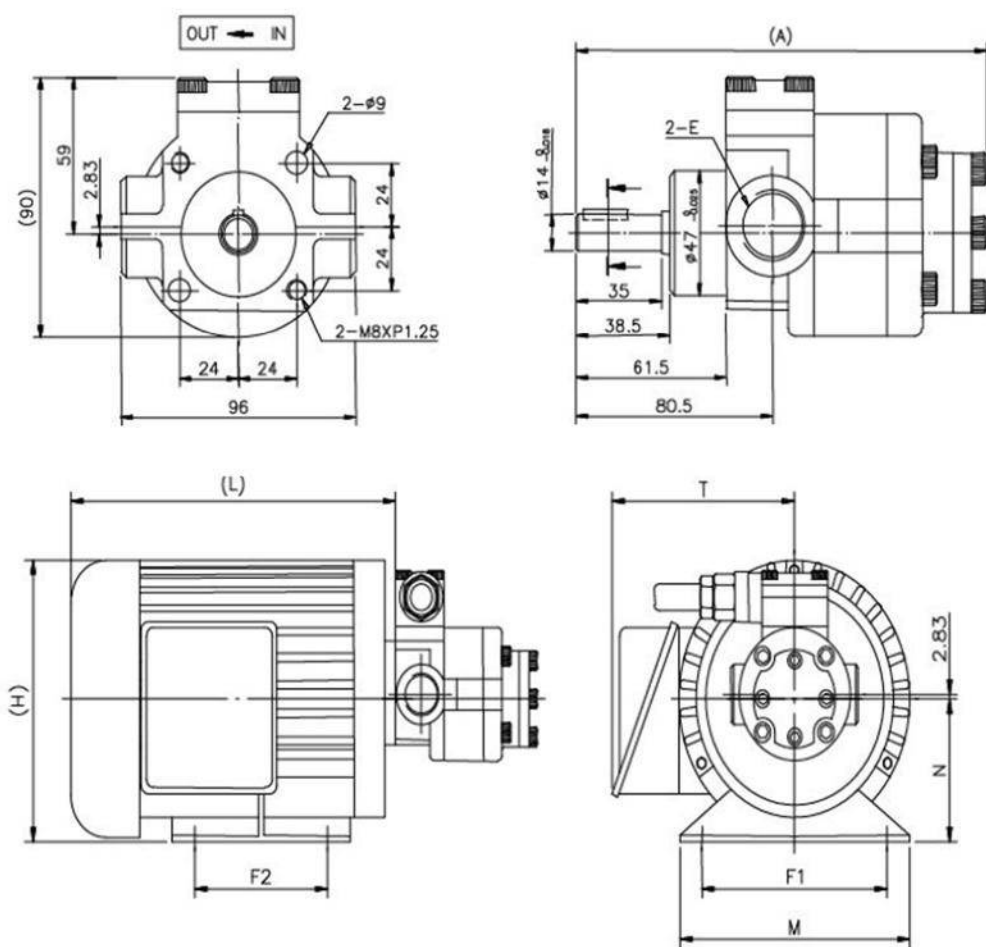
SMUS

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

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-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)

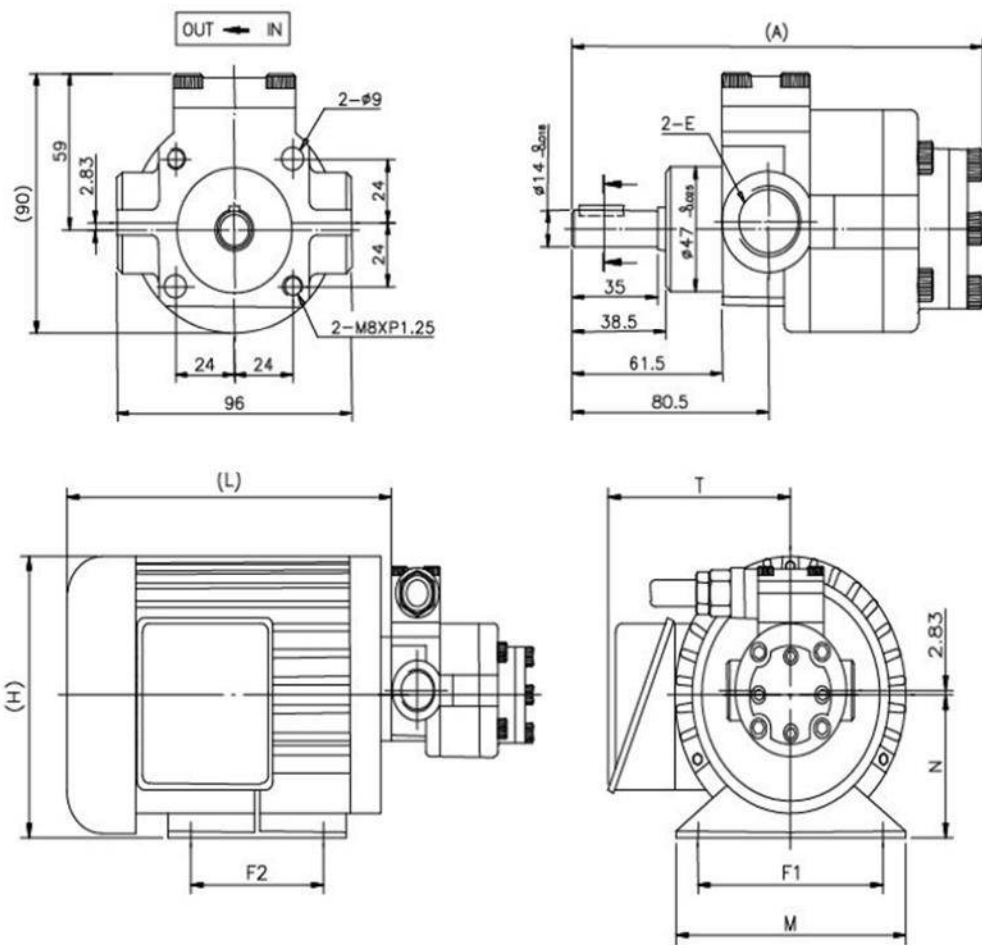


ISHAW
LUBRICATION SYSTEM

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



ISHAW
LUBRICATION SYSTEM



Characteristics & Dimensions

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)

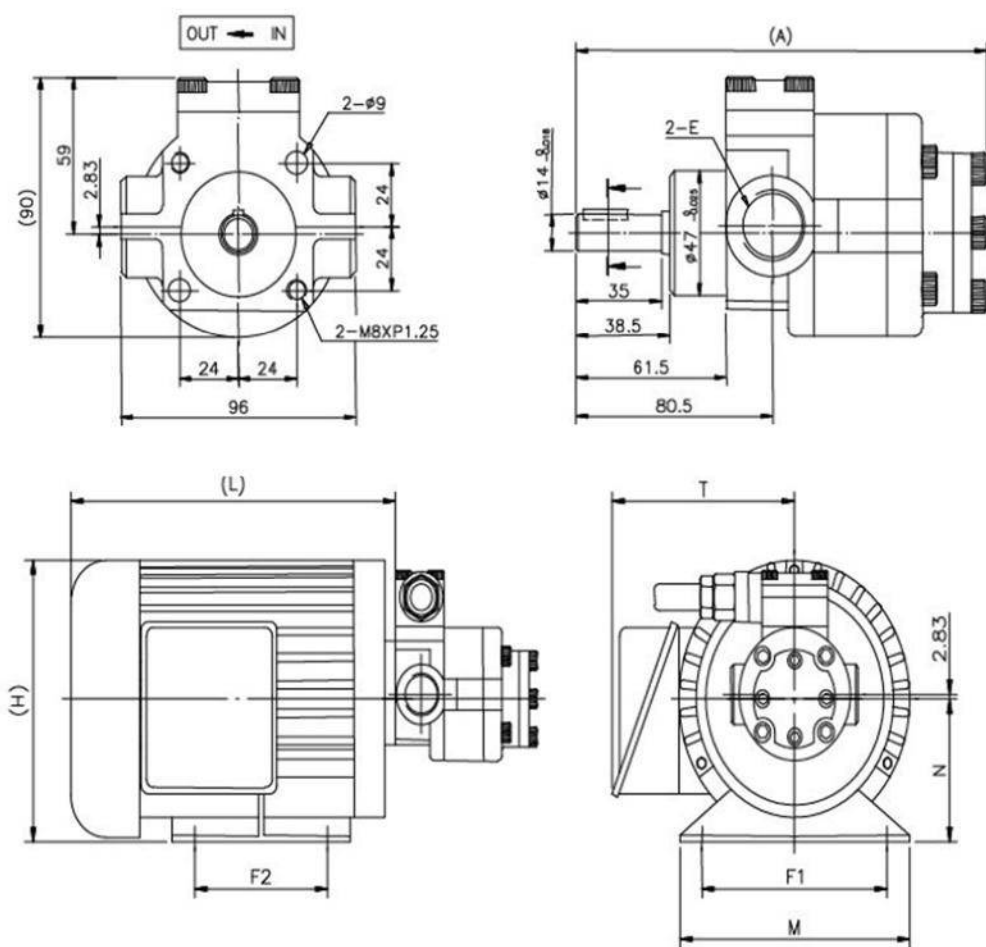
SMUS

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

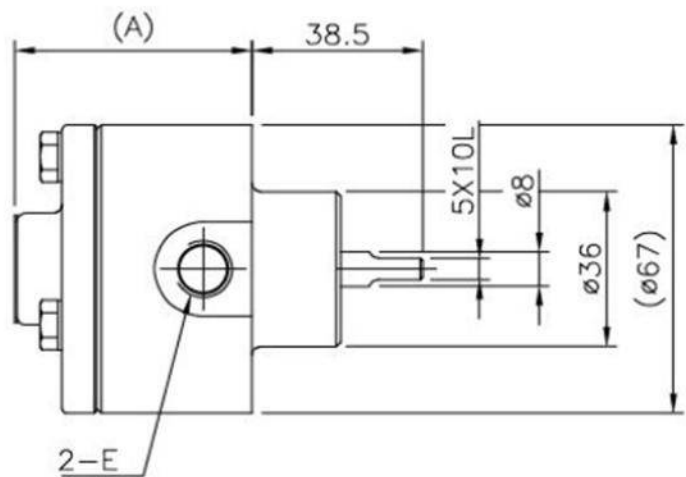
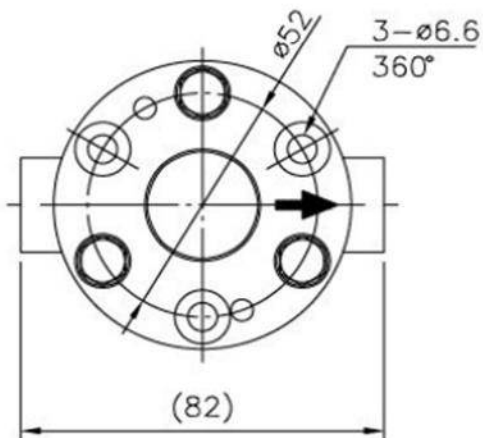
ISH VOP SERIES

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 1RA-2FS SM 1RA-2FS

Feeding Oil Pump (Reversible)





Characteristics & Dimensions

ISH 1RA SERIES

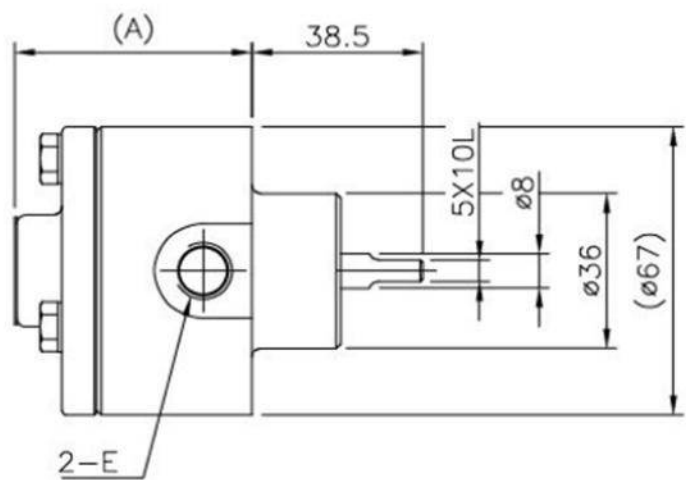
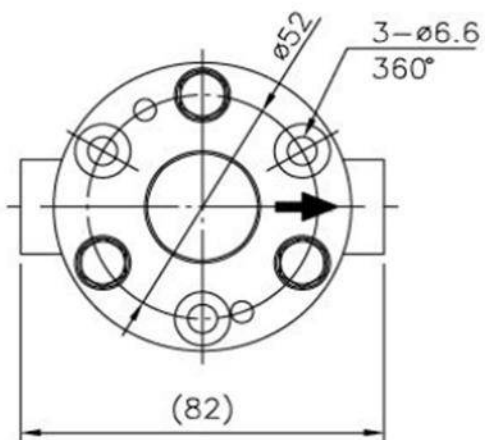
MODEL	OUTPUT VOLUME	OUTPUT VOLUME		MAXIMUM OUTPUT PRESSURE	MAXIMUM SPEED	WEIGHT (Gr.)
		1,500 r.p.m	1,800 r.p.m.			
1RA-2FS	1.80	2.70	3.20	0.50 (5.00)	2,000	1.10
1RA-3FS	2.50	3.70	4.50	0.50 (5.00)	2,000	1.20
MODEL	A			BORE (E)		
1RA-2FS	52.00			PT 1/4"		
1RA-3FS	56.00			PT 1/4"		

** 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 1RA-3FS SM 1RA-3FS

Feeding Oil Pump (Reversible)





Characteristics & Dimensions

ISH 1RA SERIES

MODEL	OUTPUT VOLUME	OUTPUT VOLUME		MAXIMUM OUTPUT PRESSURE	MAXIMUM SPEED	WEIGHT (Gr.)
		1,500 r.p.m	1,800 r.p.m.			
1RA-2FS	1.80	2.70	3.20	0.50 (5.00)	2,000	1.10
1RA-3FS	2.50	3.70	4.50	0.50 (5.00)	2,000	1.20
MODEL	A			BORE (E)		
1RA-2FS	52.00			PT 1/4"		
1RA-3FS	56.00			PT 1/4"		

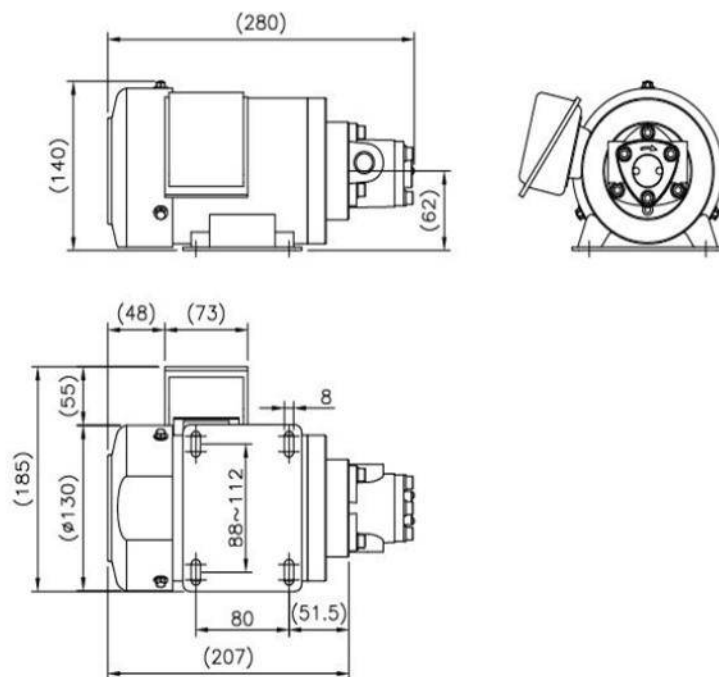
** Flow Rate & Speed is given in r.p.m..
 *** Metered volume is determined by c.c./stroke.
 **** Maximum Output Pressure is determined in Mpa (Kgf/cm²).
 ***** All dimensions are given in millimeters.

ISH BL-1
SM BL-1

CONNECTING MOTOR WITH IRON CASE

(With TOP Feeding Pump)







Características Y Dimensiones

Modelo	ISH BL-1
Voltaje En Un Sola Fase (Volts)	110/220 220/440
Polos	4.00
Tiempo De Intervalos	Continuo
Velocidad (r.p.m.)	1,400 / 1,700
Frecuencia	50/60
Peso (Kg)	7.00

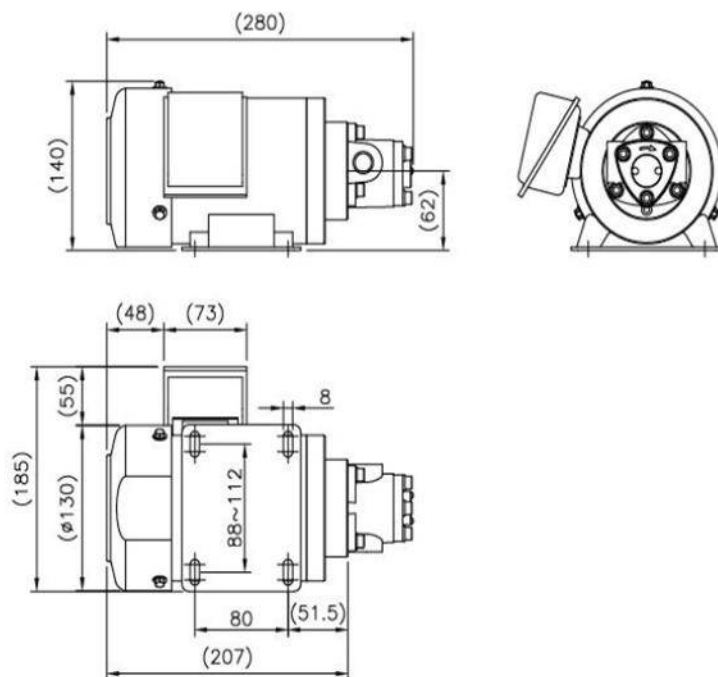
* Pueden ser producidos modelos especiales de acuerdo a solicitud del cliente.
 **** Todas las dimensiones están dadas en milímetros.

ISH BL-2 SM BL-2

CONNECTING MOTOR WITH IRON CASE

(With Long Shaft Connector)







Characteristics & Dimensions

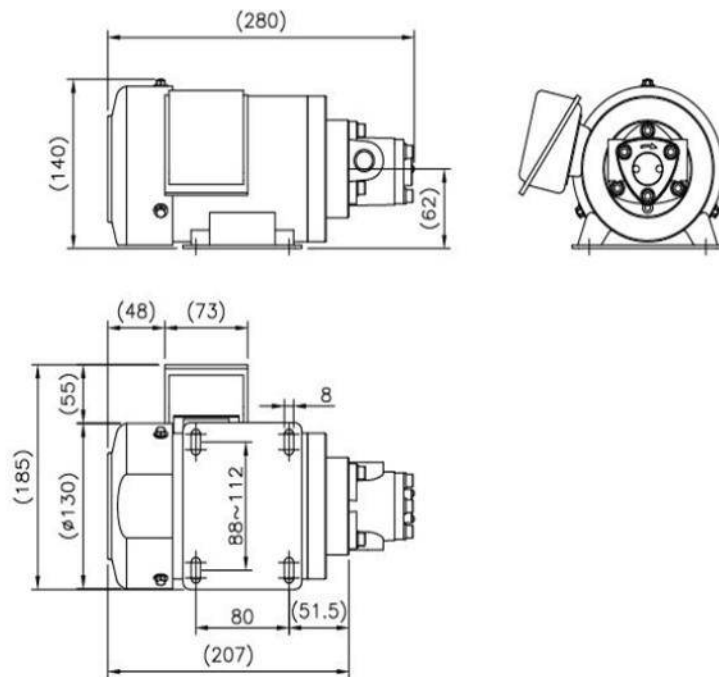
MODEL	ISH BL-2
Voltage In One Phase (Volts)	110/220 220/440
Pole	4.00
Timer Interval	Continuo
Speed (r.p.m.)	1,400 / 1,700
Frecuency (Hz.)	50/60
Total Device Weight (Kg)	8.00
* Pueden ser producidos modelos especiales de acuerdo a solicitud del cliente. *** Todas las dimensiones estan dadas en milímetros.	

ISH BL-3 SM BL-3

CONNECTING MOTOR WITH IRON CASE

(With Milling Iron Case)







Characteristics & Dimensions

MODEL	ISH BL-3
Voltage In One Phase (Volts)	110/220 220/380 220/440
Pole	4.00
Timer Interval	Continuos
Speed (r.p.m.)	1,400 / 1,700
Frecuency (Hz.)	50/60
Total Device Weight (Kg)	10.00

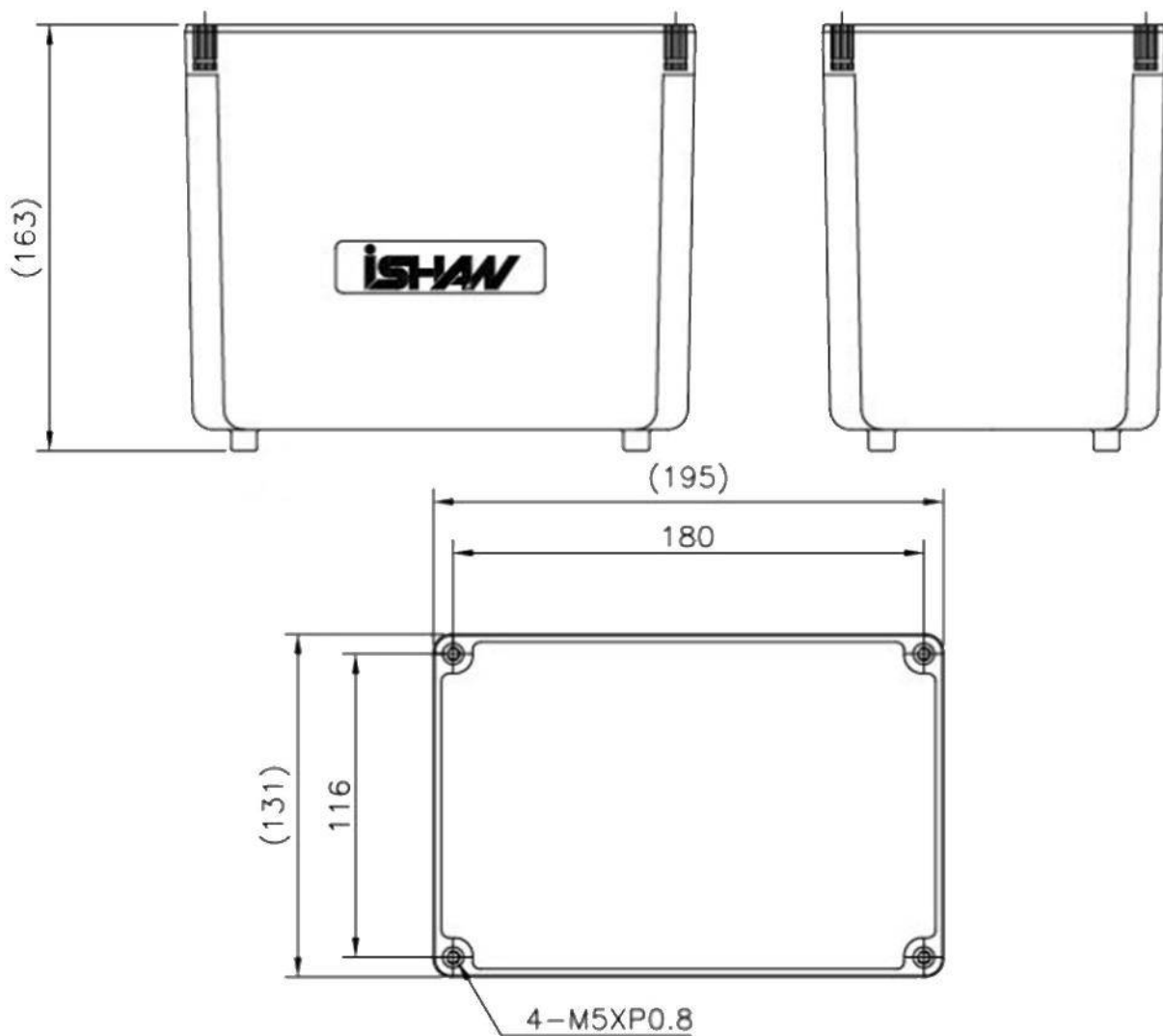
*** Special configuration can be manufactured upon customers request.
 **** All dimensios are given in millimeters.

ISH DAR 156001-SE SM DAR 156001-SE



REPLACEMENT RESIN OIL TANK







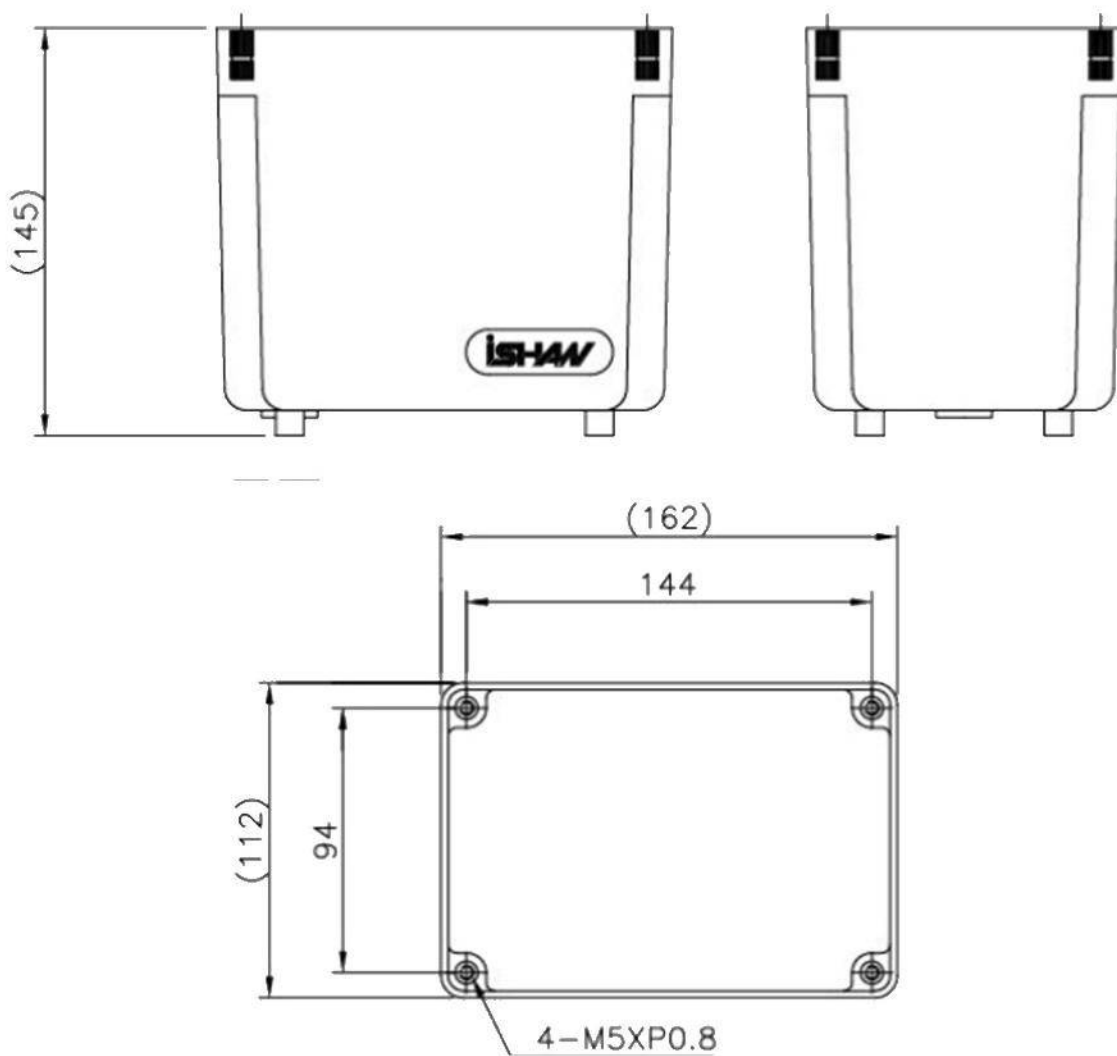
Characteristics & Dimensions

MODEL	W	L	H	TANK CAPACITY	TANK MATERIAL
156001-SE	112.00	162.00	145.00	2.00	<i>Acrylic</i>
156002-SE	131.00	195.00	163.00	3.00	<i>Aluminum</i>
156145-001-SE	141.00	230.00	230.00	4.00	<i>Aluminum</i>
156016-SE	212.00	328.00	328.00	6.00	<i>Steel</i>
156013-SE	227.00	357.00	357.00	8.00	<i>Steel</i>

*** Tank Capacity is given in Liters.
 **** All dimensions are given in millimeters.

REPLACEMENT RESIN OIL TANK







Characteristics & Dimensions

MODEL	W	L	H	TANK CAPACITY	TANK MATERIAL
156001-SE	112.00	162.00	145.00	2.00	<i>Acrylic</i>
156002-SE	131.00	195.00	163.00	3.00	<i>Aluminum</i>
156145-001-SE	141.00	230.00	230.00	4.00	<i>Aluminum</i>
156016-SE	212.00	328.00	328.00	6.00	<i>Steel</i>
156013-SE	227.00	357.00	357.00	8.00	<i>Steel</i>

*** Tank Capacity is given in Liters.
 **** All dimensions are given in millimeters.

ISH DAR 156013-SE SM DAR 156013-SE



STEEL REPLACEMENT OIL TANK



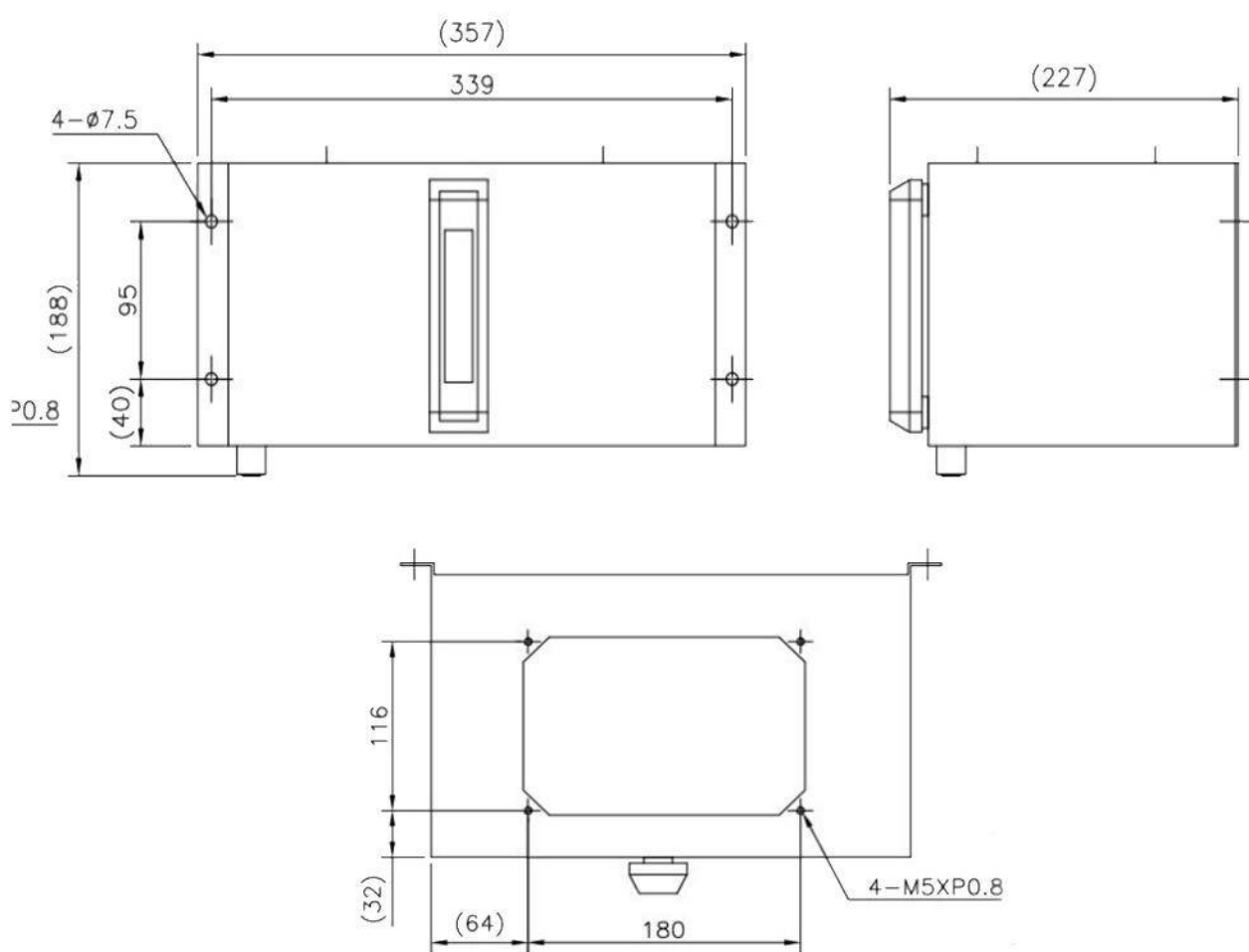
SMUS

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

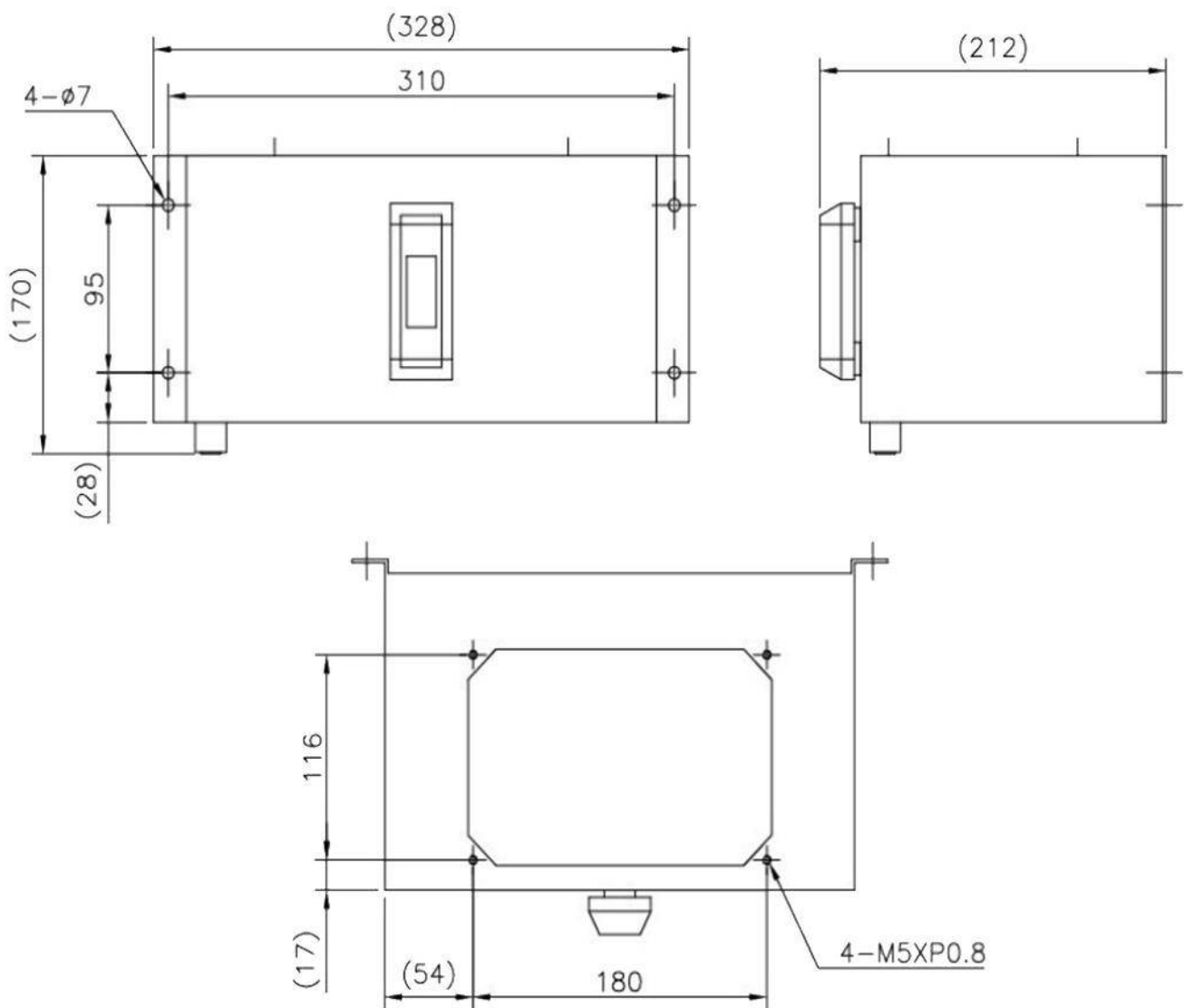
MODEL	W	L	H	TANK CAPACITY	TANK MATERIAL
156001-SE	112.00	162.00	145.00	2.00	<i>Acrylic</i>
156002-SE	131.00	195.00	163.00	3.00	<i>Aluminum</i>
156145-001-SE	141.00	230.00	230.00	4.00	<i>Aluminum</i>
156016-SE	212.00	328.00	328.00	6.00	<i>Steel</i>
156013-SE	227.00	357.00	357.00	8.00	<i>Steel</i>

*** Tank Capacity is given in Liters.
 **** All dimensions are given in millimeters.

ISH DAR 156016-SE SM DAR 156016-SE

STEEL REPLACEMENT OIL TANK







Características & Dimensiones

Modelo

ISH 156016-SE

Capacidad Del Deposito De Aceite

6 Litros

W

212.00

L

328.00

H

170.00

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

ISH DAR 156145-000-SE
SM DAR 156145-000-SE

STEEL OIL TANK REPLACEMENT



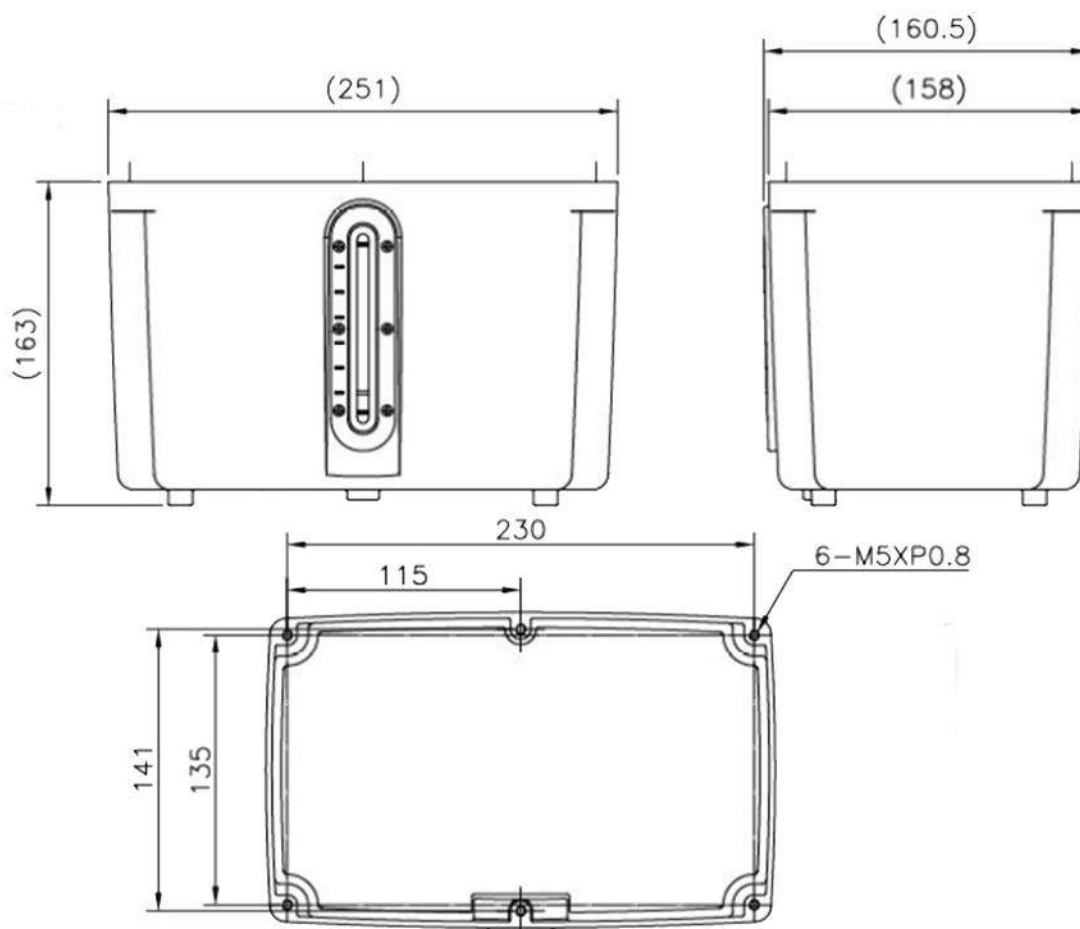
SMUS

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

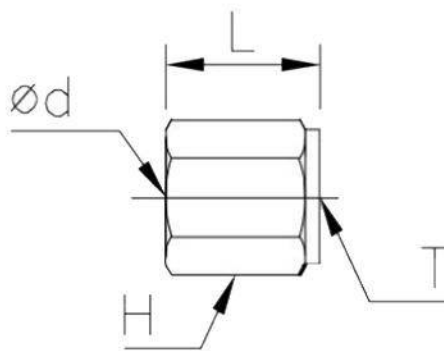
MODEL	W	L	H	TANK CAPACITY	TANK MATERIAL
156001-SE	112.00	162.00	145.00	2.00	<i>Acrylic</i>
156002-SE	131.00	195.00	163.00	3.00	<i>Aluminum</i>
156145-001-SE	141.00	230.00	230.00	4.00	<i>Aluminum</i>
156016-SE	212.00	328.00	328.00	6.00	<i>Steel</i>
156013-SE	227.00	357.00	357.00	8.00	<i>Steel</i>

*** Tank Capacity is given in Liters.
 **** All dimensions are given in millimeters.

ISH DP
SM DP

COMPRESION NUT







Characteristics & Dimensions

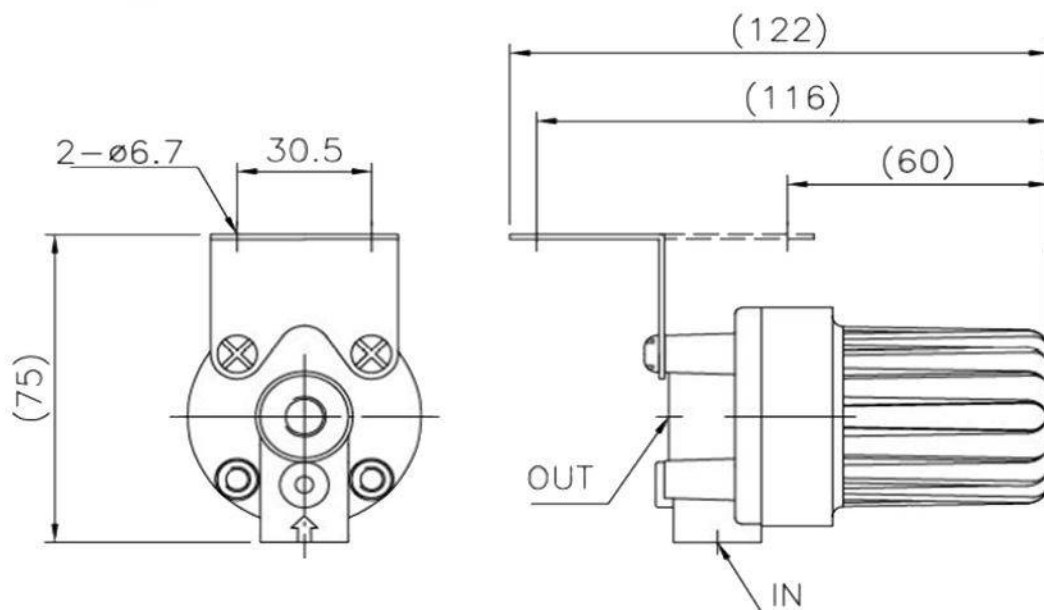
MODEL	OUTPUT BORE	Ød	D	L	H	WEIGHT (gr)
DP04	Ø4	4.05	13.00	M8 x 1.00	10.00	3.00

**** All dimensions are given in millimeters.

ISH FL
SM FL

"FL" SERIES OIL FILTER







Characteristics & Dimensions

MODEL	MAXIMUM OPERATING PRESSURE	MAXIMUM OUTLET VOLUME	FILTERING PRECISION	IN x OUT	WEIGHT (gr)
FL-010025	25.00	2.50	10.00	PS 1/8 x PS 1/8 PS 1/4 x PS 1/4	300.00
FL-025030	25.00	3.00	25.00	PS 1/8 x PS 1/8 PS 1/4 x PS 1/4	300.00
FL-125035	25.00	3.50	125.00	PS 1/8 x PS 1/8 PS 1/4 x PS 1/4	300.00
* Filtering Precision is given in μm. ** Maximum Outlet Volume is given in L/min. *** Maximum Operating Pressure is given in Mpa (Kgf/cm²). **** All dimensions are given in millimeters.					

ISH FL-H2 SM FL-H2

GREASE FILTER





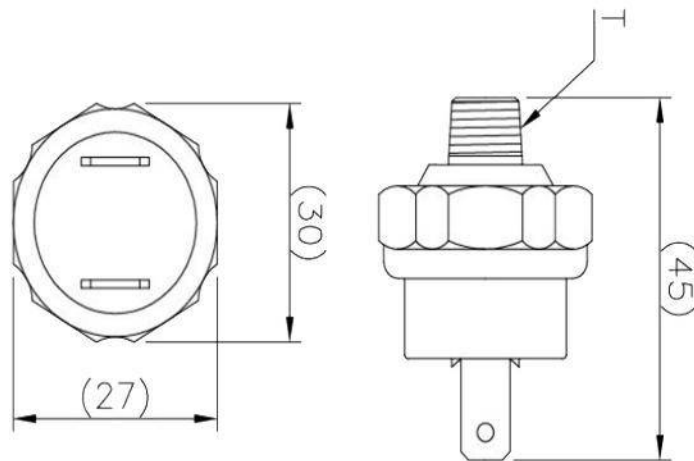
Characteristics & Dimensions

MODEL	FILTERING PRECISSION	RATED OPERATIONG PRESURE	IN x OUT	A	WEIGHT (gr)
FL-H2 20403-1	110.00 ~ 120.00	10.00	Rp 1/8	40.00 ~ 45.00	332.00 gr
FL-H2 20403-2	110.00 ~ 120.00	10.00	Rp 1/4	40.00 ~ 45.00	332.00 gr
** Rated Operation Pressure is given in Mpa. *** Filtering Precision is given in µm. **** All dimensions are given in millimeters.					

ISH FPS
SM FPS

FILM PRESSURE SWITCH







Characteristics & Dimensions

MODEL	SPECIFICATIONS		T	WEIGHT (gr)
	ON	OFF		
321606	2.10 Kg ▲	-	24.00	35.00 Gr
321609	-	2.10 Kg ▲	24.00	35.00 Gr

* ▲ : Upward
 ** Use rated current 3A and below.
 *** Maximum bome pressure is 10 Kgf/cm².
 **** All measures are given in millimeters.

ISH FS
SM FS

FLOATING SWITCH





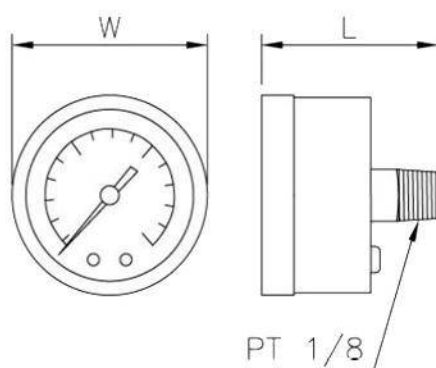
Characteristics & Dimensions

MODEL	APPLY FOR
321003-000	YET-A YET-R YET-E YET-N
321002-011	YET-C
321002-008	YAC (3L, 4L, 6L, 8L)
321002-013	YAE (3L, 4L, 6L, 8L)
*** All dimensions are given in millimeters.	

ISH HPG
SM HPG

HORIZONTAL PRESSURE GAUGE







Characteristics & Dimenssions

MODEL	DIAL SPECIFICATIONS	W	L	WEIGHT (gr)
327004	1.50 (Bar/Mpa)	42.00	38.00	53.00 Gr
327005	3.50 (Bar/Mpa)	42.00	38.00	53.00 Gr

*** Pressure is given in Bar/Mpa.
 **** All dimensions are given in millimeters.

ISH IF
SM IF

TANK SUCTION FILTER





Characteristics & Dimensions

MODEL	APPLY FOR MODEL	FILERING MEDIA
153013	2 Liter Oil Tank Equipment	40 mesh
153000	3 ~ 8 Liter Oil Tank Equipment	40 mesh

*** All dimensions are given in millimeters.

ISH M
SM M

FLOW VALVE



Characteristics & Dimensions

MODEL	SPECIFICATIONS	WEIGHT (gr)
MA0405	<i>PS1/4" x PE5/16"</i>	<i>64.50</i>
MB0404	<i>PS1/4" Double Female</i>	<i>57.00</i>
MB0606	<i>PS3/8" Double Female</i>	<i>57.00</i>
MC0404	<i>PT1/4" Double Male</i>	<i>59.00</i>
MD0402	<i>PT1/4" Hembra x PT1/8" (Macho)</i>	<i>51.00</i>
MD0404	<i>PT1/4" (Male & Female)</i>	<i>53.00</i>
MD0606	<i>PT3/8" (Male & Female)</i>	<i>82.50</i>
ME0404	<i>PT1/4" x PE1/4"</i>	<i>58.00</i>
ME0405	<i>PT1/4" x PE5/16"</i>	<i>54.00</i>
ME0406	<i>PT1/4" x PE3/8"</i>	<i>59.00</i>

*** All dimensions are given in millimeters.

ISH NPS
SM NPS

NYLON PIPE
STRING





Characteristics & Dimensions

DESCRIPTION	MODEL	SPECIFICATIONS	LENGHT
Nylon Tubing Spring	<i>NPS</i>	<i>Ø4.00</i>	<i>1,800.00 ± 5.00</i>
Nylon Tubing Spring	<i>NPS</i>	<i>Ø6.00</i>	<i>1,800.00 ± 5.00</i>
<i>** Spring total length should be determined by customer.</i> <i>*** All dimensions are given in millimeters.</i>			

TUBE



- *Copper Tube*
- *Aluminum Tube*
- *Plastic Tube*
- *Nylon Tube*





Characteristics & Dimensions

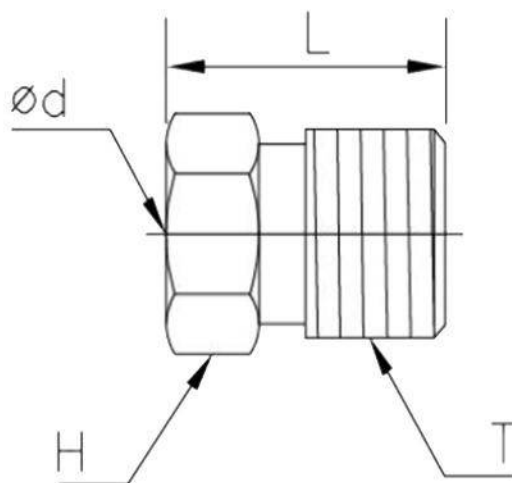
PIPE DESCRIPTION	MODEL	SPECIFICATIONS	PIPE DIAMETER		
			Ø4	Ø6	Ø8
Copper Pipe	<i>P-CP</i>	<i>Minimum Bendig Radio</i>	<i>R20</i>	<i>R30</i>	<i>-</i>
Aluminum Pipe	<i>P-AP</i>	<i>Minimum Bendig Radio</i>	<i>R20</i>	<i>R40</i>	<i>-</i>
Plastic Pipe	<i>P-PP</i>	<i>Minimum Bendig Radio</i>	<i>R20</i>	<i>R40</i>	<i>R40</i>
Nylon Pipe	<i>P-NP</i>	<i>Minimum Bendig Radio</i>	<i>R20</i>	<i>R30</i>	<i>R50</i>

** Pipe length should be determined by customer.
*** All dimensions are given in millimeters.

ISH PA
SM PA

COMPRESSION NUT







Characteristics & Dimensions

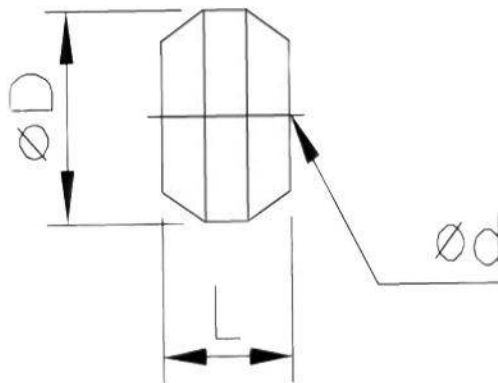
MODEL	OUTPUT BORE	Ød	D	L	H	WEIGHT (gr)
PA04	Ø4	4.10	12.00	M8 x 1.00	8.00	0.30
PA06	Ø6	6.10	12.50	M10 x 1.00	10.00	0.60
PA08	Ø8	8.10	14.00	M14 x 1.50	14.00	2.00
PA10	Ø10	10.10	15.00	M16 x 1.50	16.00	3.00

***** All dimensions are given in millimeters

ISH PB
SM PB

COMPRESSION SLEVE







Characteristics & Dimensions

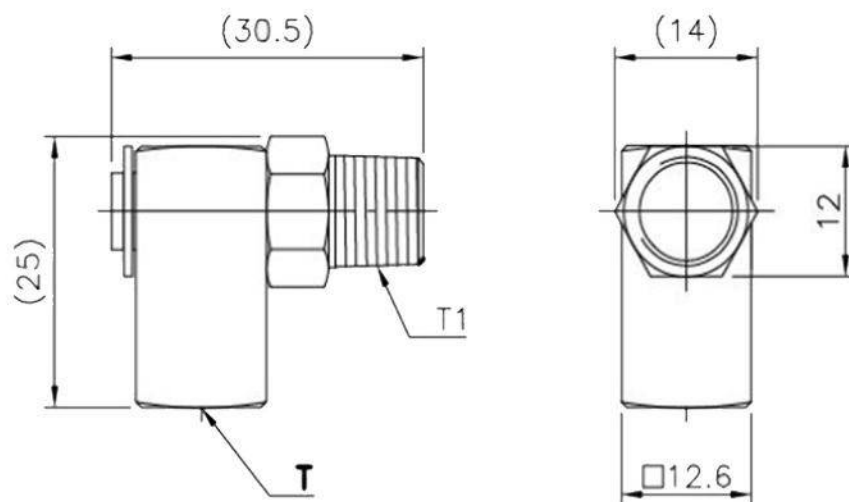
MODEL	OUTPUT BORE	Ød	D	L	WEIGHT (gr)
PB04	Ø4	4.10	6.00	4.50	0.30
PB06	Ø6	6.10	8.00	4.50	0.60
PB08	Ø8	8.10	11.00	7.00	2.00
PB10	Ø10	10.10	13.50	8.00	3.00

**** All dimensions are given in millimeters.

ISH-PC SERIES SM-PC SERIES

SWIVEL ELBOW ADAPTER







Characteristics & Dimensions

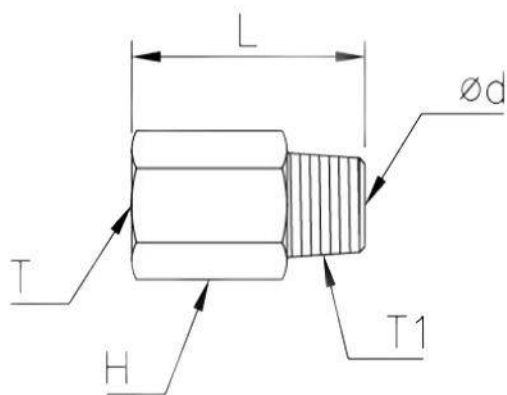
MODEL	OUTPUT BORE	T	T1	WEIGHT (gr)
PC0401	Ø4	M8 x 1.00	PT1/8"	38.00
PC0101	-	PT1/8"	PT1/8"	36.00

**** All dimensions are given in millimeters.

ISH PD SERIES SM PD SERIES

STREIGHT ADAPTOR





Characteristics & Dimensions

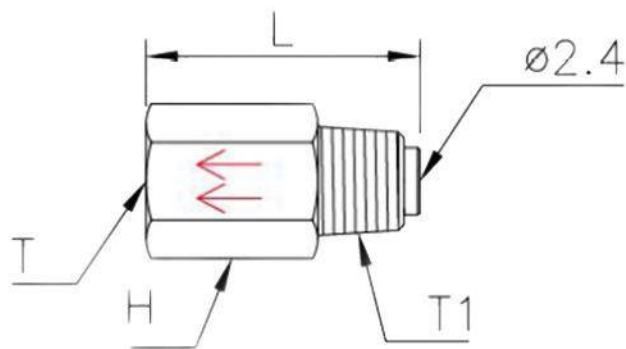
MODEL	Ø	Ød	L	T	T1	H	WEIGHT (gr)
PD0401	Ø4	3.00	18.00	M8 x 1.00	PT1/8"	10.00	8.00
PD0402	Ø4	3.50	18.00	M8 x 1.00	PT1/4"	14.00	17.00
PD0406-1	Ø4	2.50	18.00	M8 x 1.00	M6 x 0.75	10.00	6.00
PD0406-1	Ø4	2.50	18.00	M8 x 1.00	M6 x 1.00	10.00	6.00
PD0408	Ø4	3.00	18.00	M8 x 1.00	M8 x 1.00	10.00	6.00
PD0601	Ø6	4.00	18.00	M10 x 1.00	PT1/8"	12.00	8.00
PD0602	Ø6	5.00	18.00	M10 x 1.00	PT1/4"	14.00	14.00
PD0608	Ø6	3.00	18.00	M10 x 1.00	M8 x 1.00	12.00	8.00
PD0801	Ø8	5.00	26.00	M14 x 1.50	PT1/8"	17.00	22.00
PD0802	Ø8	6.00	26.00	M14 x 1.50	PT1/4"	17.00	26.00
PD1001	Ø10	5.00	28.00	M16 x 1.50	PT1/8"	19.00	29.00
PD1002	Ø10	7.00	28.00	M16 x 1.50	PT1/4"	19.00	33.00

*** All dimensions are given in millimeters.

ISH PD-A SERIES SM PD-A SERIES

ONE WAY STREIGHT ADAPTER







Characteristics & Dimensions

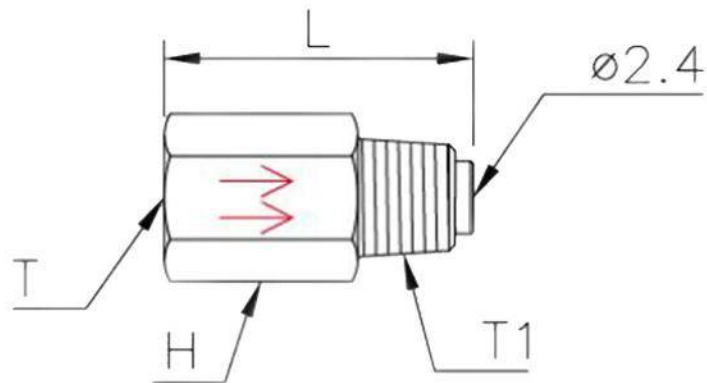
MODEL	Ø	L	T	T1	h	WEIGHT (gr)
PD0401A	Ø4	26.00	M8 x 1.00	PT1/8"	10.00	11.00
PD0601A	Ø6	26.00	M10 x 1.00	PT1/8"	12.00	14.00

※ All dimensions are given in millimeters.

ISH PD-B SERIES SM PD-B SERIES

REVERSE-FLOW STREIGHT ADAPTER







Characteristics & Dimensions

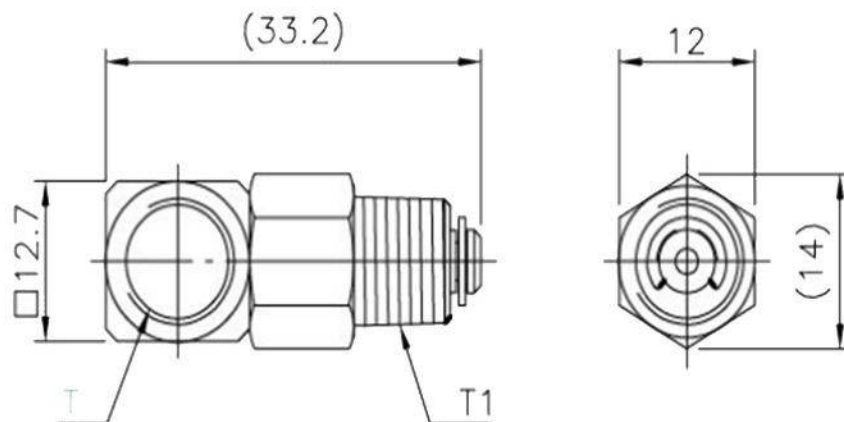
MODEL	Ø	L	T	T1	h	WEIGHT (gr)
PD0401B	Ø4	26.00	M8 x 1.00	PT1/8"	10.00	11.00
PD0601B	Ø6	26.00	M10 x 1.00	PT1/8"	12.00	14.00

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

ISH PE SERIES SM PE SERIES

SWIVEL ELBOW ADAPTER







Characteristics & Dimensions

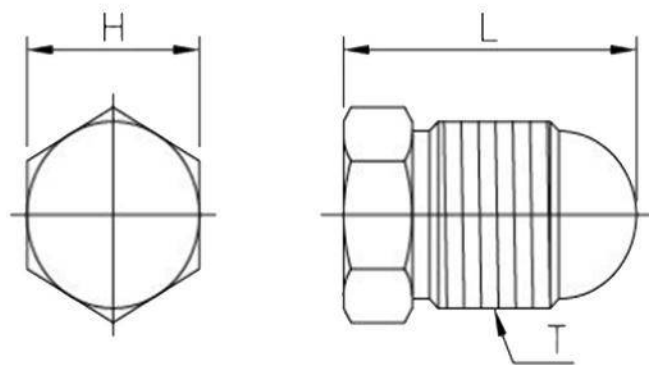
MODEL	OUTPUT BORE	T	T1	WEIGHT (gr)
PE0101	-	PS1/8"	PT1/8"	25.00

*** All dimensions are given in millimeters.

ISH PG
SM PG

PLUG







Characteristics & Dimensions

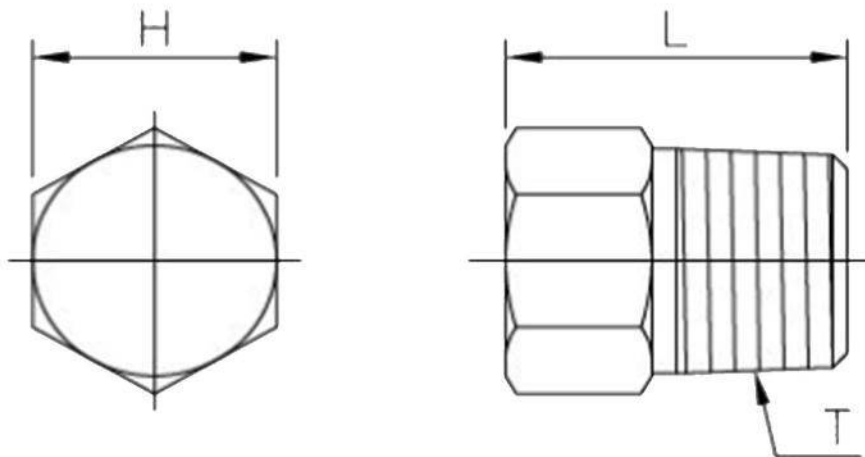
MODEL	L	T	H	WEIGHT (gr)
PG04	16.00	M8 x 1.00	8.00	5.40
PG06	17.00	M10 x 1.00	10.00	8.80

*** All dimensions are given in millimeters.

ISH PG-C
SM PG-C

CLOSURE PLUG







Characteristics & Dimensions

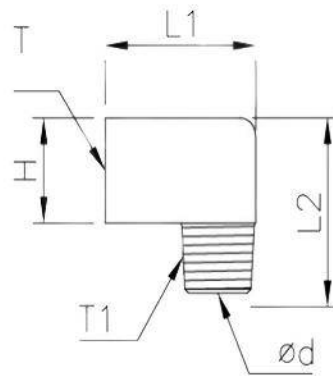
MODEL	L	T	H	WEIGHT (Gr.)
PG0408-C	12.00	M8 x 1.00	8.00	4.40
PG0601-C	14.00	PT 1/8"	10.00	7.60

** The lenght of the hose shoul de determined by customer.
 *** All dimensions are given in millimeters.

ISH PH
SM PH

ELBOW ADAPTER







Characteristics & Dimensions

MODEL	Ø	Ød	L1	L2	T	T1	H	WEIGHT (gr)
PH0401	Ø4	3.00	18.00	18.00	M8 x 1.00	PT1/8"	10.00	13.00
PH0402	Ø4	4.00	20.00	22.00	M8 x 1.00	PT1/4"	14.00	32.00
PH0406-1	Ø4	2.00	18.00	18.00	M8 x 1.00	M6 x 0.75	10.00	13.00
PH0406	Ø4	2.00	18.00	18.00	M8 x 1.00	M6 x 1.00	10.00	12.00
PH0408	Ø4	3.00	18.00	18.00	M8 x 1.00	M8 x 1.00	10.00	13.00
PH0601	Ø6	4.00	20.00	20.00	M10 x 1.00	PT1/8"	12.00	20.00
PH0602	Ø6	4.00	20.00	22.00	M10 x 1.00	PT1/4"	14.00	29.00
PH0608	Ø6	3.00	20.00	20.00	M10 x 1.00	M8 x 1.00	12.00	20.00
PH0801	Ø8	5.00	26.00	29.00	M14 x 1.50	PT1/8"	17.00	52.00
PH0802	Ø8	6.00	26.00	29.00	M14 x 1.50	PT1/4"	17.00	56.00
PH1001**	Ø10	5.00	29.00	31.00	M16 x 1.50	PT1/8"	19.00	70.00
PH1002	Ø10	7.00	29.00	31.00	M16 x 1.50	PT1/4"	19.00	70.00

** This item should be by special customers request.

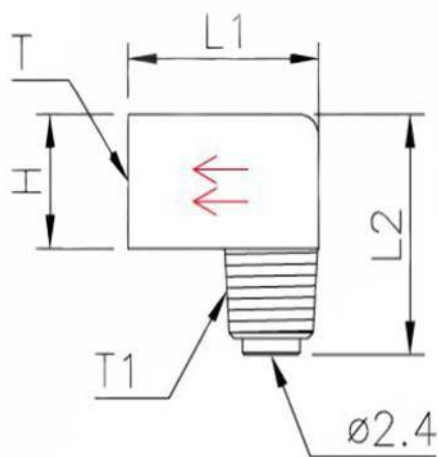
*** This products is manufactured in zinc.

**** All dimensions are given in millimeters.

ISH PH-A SM PH-A

ONE-WAY ELBOW ADAPTOR







Characteristics & Dimensions

MODEL	Ø	L1	L2	T	T1	H	WEIGHT (gr)
PH0401A	Ø4	18.00	20.00	M8 x 1.00	PT1/8"	10.00	14.00
PH0601A	Ø6	20.00	22.00	M10 x 1.00	PT1/8"	12.00	21.00

*** This item should be by special customers request.

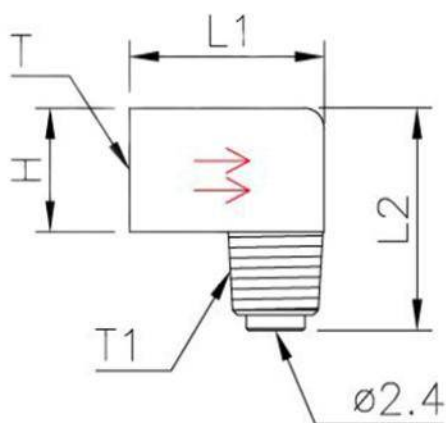
*** This products is manufactured in zinc.

*** All dimensions are given in millimeters.

ISH PH-B
SM PH-B

REVERSE-FLOW ELBOW ADAPTER







Characteristics & Dimensions

MODEL	Ø	L1	L2	T	T1	H	WEIGHT (gr)
PH0401B	Ø4	18.00	20.00	M8 x 1.00	PT1/8"	10.00	14.00
PH0601B	Ø6	20.00	22.00	M10 x 1.00	PT1/8"	12.00	21.00

*** This item should be by special customers request.

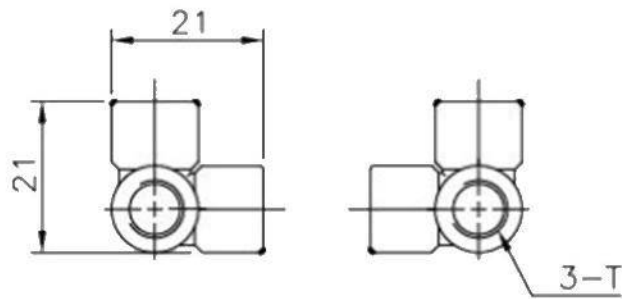
**** This products is manufactured in zinc.

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

ISH PHD03 SM PHD03

3-WAY JUNCTION







Características Y Dimensiones

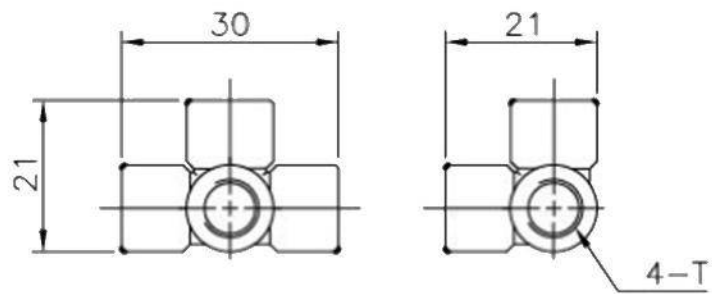
MODEL	Ø	T	WEIGHT (gr)
PHD0301	Ø4	M8 x 1.00	20.00

*** This product is manufactured in Zamak.
**** All dimensions are given in millimeters.

ISH PHD04 SM PHD04

4-WAY JUNCTION







Characteristics & Dimensions

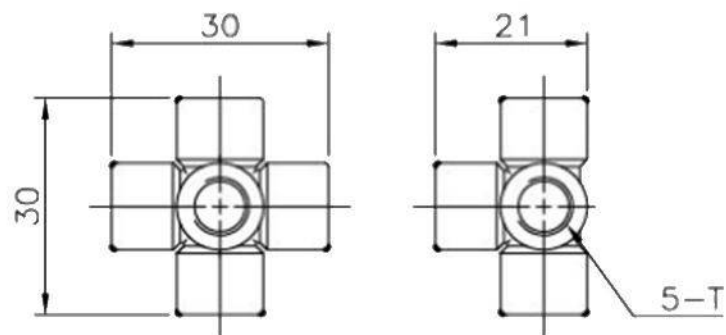
MODEL	Ø	T	WEIGHT (gr)
PHD0401	Ø4	M8 x 1.00	25.00

*** This product is manufactured in Zamak.
 **** All dimensions are given in millimeters.

ISH PHD05 SM PHD05

5-WAY JUNCTION







Características Y Dimensiones

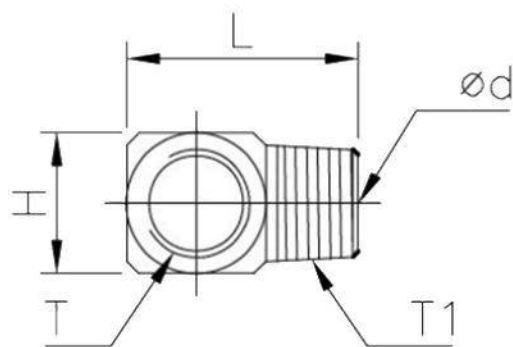
MODEL	Ø	T	WEIGHT (gr)
PHD0501	Ø4	M8 x 1.00	29.00

*** This product is manufactured in Zamak.
**** All dimensions are given in millimeters.

ISH PI SERIES SM PI SERIES

PLANE ELBOW ADAPTER







Characteristics & Dimensions

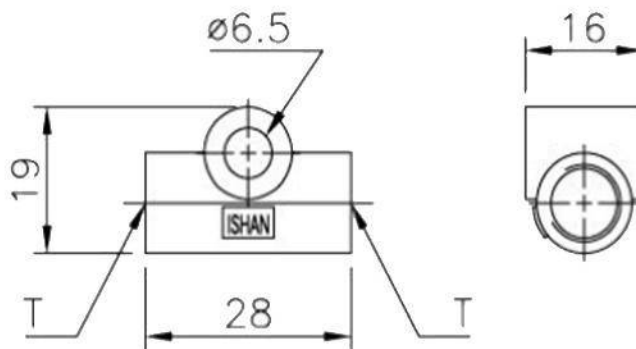
MODEL	Ø	Ød	L	T	T1	H	WEIGHT (gr)
PI0401	Ø4	2.50	21.00	M8 x 1.00	PT1/8"	12.70	17.00
PI0408	Ø4	2.50	21.00	M8 x 1.00	M8 x 1.0	12.70	15.00
PI0601	Ø6	2.30	22.00	M10 x 1.00	PT1/8"	14.00	15.00
PI0101	-	2.50	21.00	PS1/8"	PT1/8"	12.70	15.00

*** All dimensions are given in millimeters.

ISH PJ
SM PJ

2-WAY JUNCTION







Characteristics & Dimensions

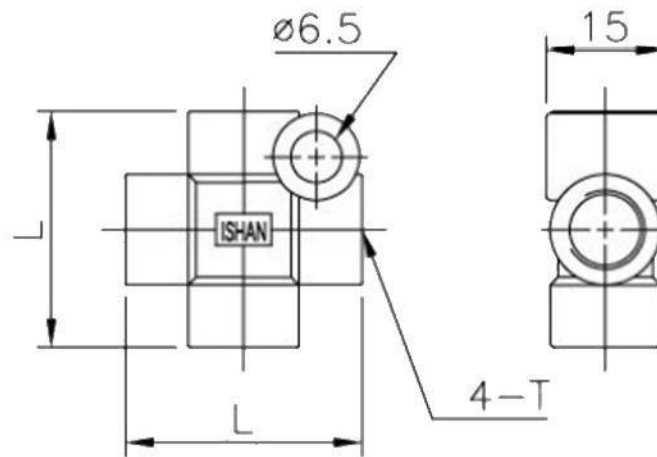
MODEL	Ø	T	L	WEIGHT (gr)
PJ0404	Ø4 x Ø4	M8 x 1.00	M8 x 1.00	23.00
PJ0406	Ø4 x Ø6	M8 x 1.00	M8 x 1.00	22.00
PJ0606	Ø6 x Ø6	M10 x 1.00	M10 x 1.00	20.00

**** All dimensions are given in millimeters.

ISH PJD
SM PJD

CROSS JUNCTION







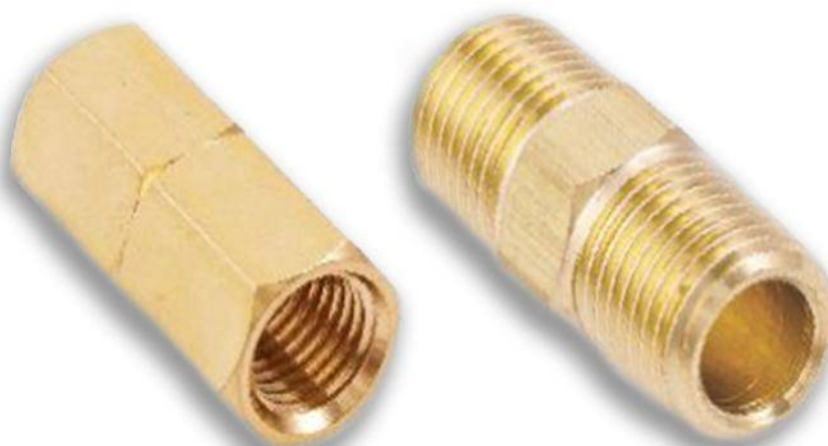
Characteristics & Dimensions

MODEL	Ø	T	L	WEIGHT (gr)
PJD04	Ø4	M8 x 1.00	28.00	15.00
PJD06	Ø6	M10 x 1.00	30.00	26.00

**** All dimensions are given in millimeters.

ISH PK
SM PK

CONNECTOR



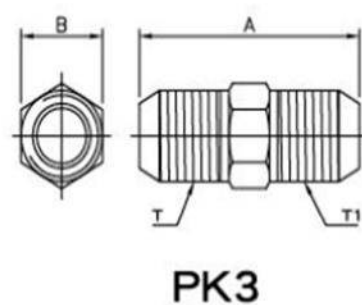
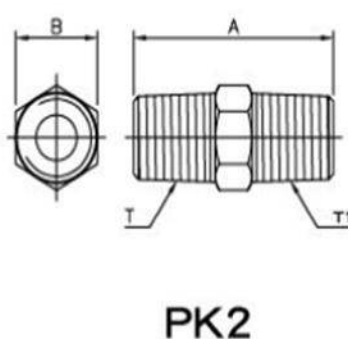
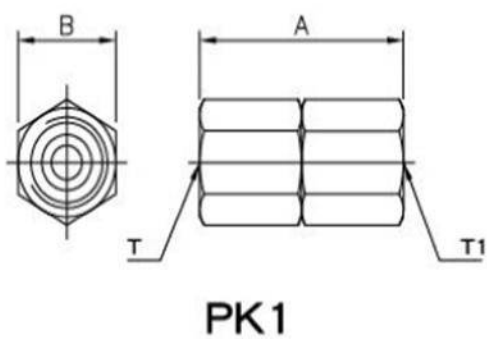


ISHAW
LUBRICATION SYSTEM

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



ISHAW
LUBRICATION SYSTEM





Characteristics & Dimensions

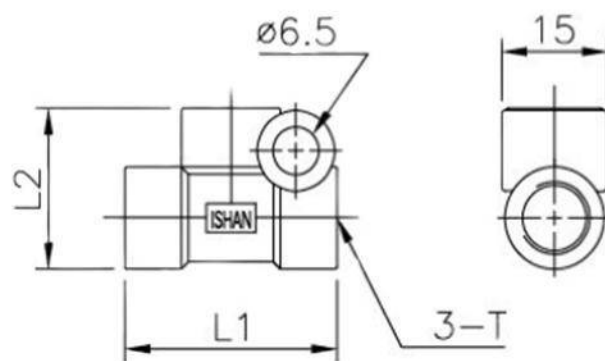
MODEL	A	B	T	T1	WEIGHT (gr)
PK10404	23.00	10.00	M8 x 1.00	M8 x 1.00	1.00
PK10606	25.00	12.00	M10 x 1.00	M10 x 1.00	15.00
PK20101	24.50	10.00	PT 1/8"	PT 1/8"	9.00
PK20102	27.00	14.00	PT 1/8"	PT 1/8"	17.00
PK20202	30.00	14.00	PT 1/4"	PT 1/4"	19.00
PK20203	30.00	17.00	PT 1/4"	PT 3/8"	26.00
PK31010	29.00	17.00	M10 x 1.00	30.00	9.00

**** All dimensions are given in millimeters.

ISH PKD SM PKD

"T" JUNCTION







Characteristics & Dimensions

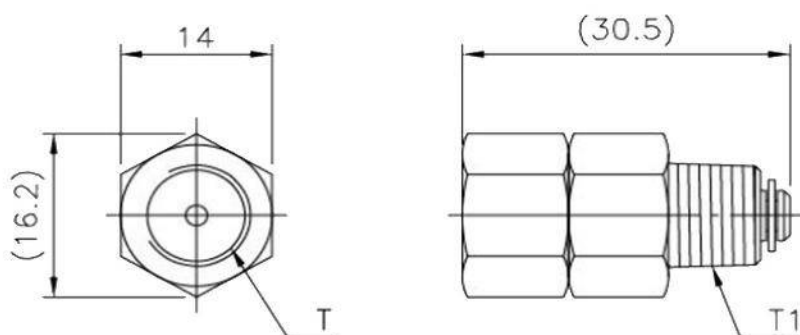
MODEL	Ø	L	T	L1	L2	WEIGHT
PKD04	Ø4	26.00	M8 x 1.00	28.00	19.50	15.00 gr
PKD06	Ø6	26.00	M10 x 1.00	30.00	22.00	26.00 gr

*** All dimensions are given in millimeters.

ISH PM SERIES SM PM SERIES

SWIVEL STREIGHT ADAPTER







Characteristics & Dimensions

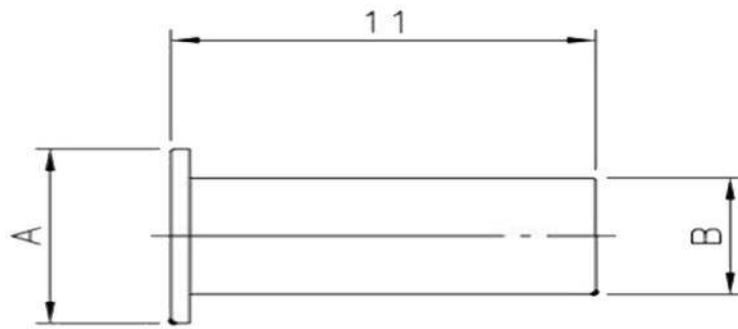
MODEL	OUTPUT BORE	T	T1	WEIGHT (gr)
PM0401	Ø4	<i>M8 x 1.00</i>	<i>PT 1/8"</i>	<i>28.00</i>
PM0101	0	<i>PT 1/8"</i>	<i>PT 1/8"</i>	<i>28.00</i>

**** All dimensions are given in millimeters.

ISH PPD
SM PPD

COMPRESSION INSERT







Characteristics & Dimenssions

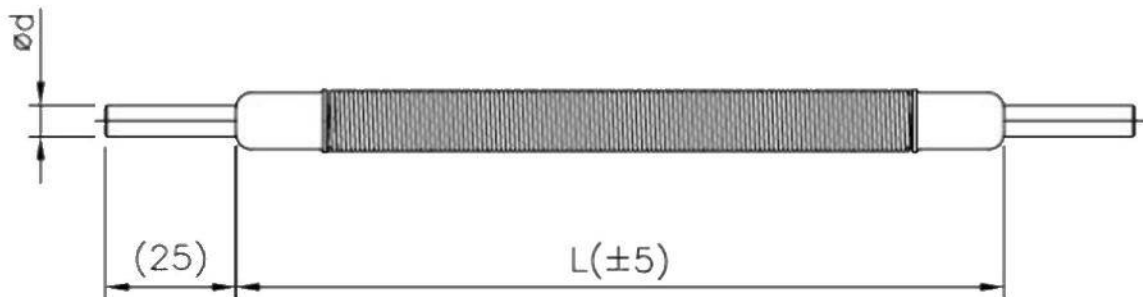
Model	A	B	Weight (gr)
PPD-04	Ø4	Ø2	0.16
PPD-06	Ø6	Ø4	0.20

*** Todas las dimensiones están dadas en milímetros.

ISH P-SF SM P-SF

STEEL REINFORCED HOSE







Characteristics & Dimensions

Model	Operating Tube Diameter	Maximum Pressure
P-SF04	Ø4.00	10.00MPa (100.00Kgf/cm ²)
P-SF06	Ø6.00	10.00MPa (100.00Kgf/cm ²)

*** Tube lenght must be determined by customer.
 **** All dimensions are given in millimeters.

PRESSURE SWITCH (MECHANICAL TYPE)



RECOMMENDATIONS

- 1.- It has the option of Normally Open and Normally Closed
- 2.- A special length can be requested for the output cables upon customer request.
- 3.- The maximum output of the device is 5A, the maximum pressure is 3.00 MPa (30.00 Kg/cm²)

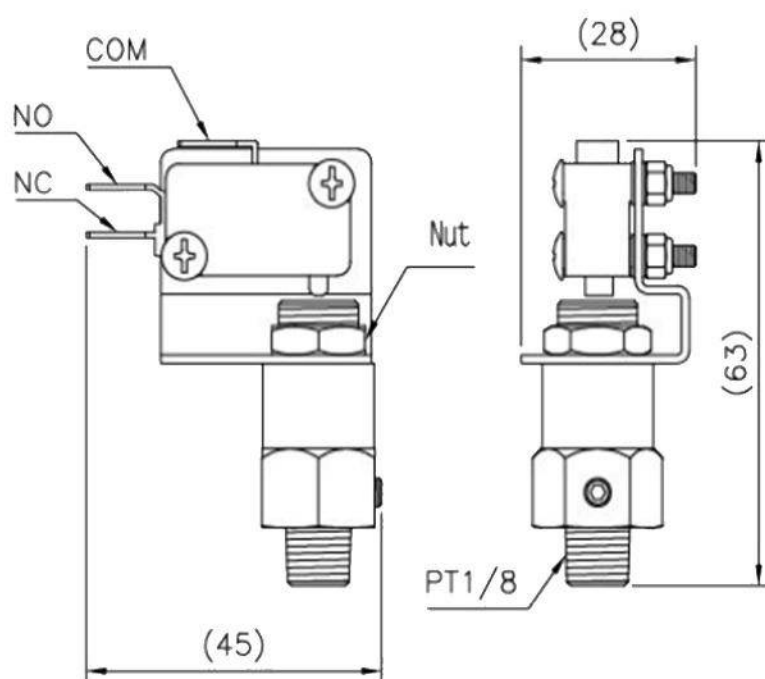
SMUS

ISHAW
LUBRICATION SYSTEM

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



ISHAW
LUBRICATION SYSTEM





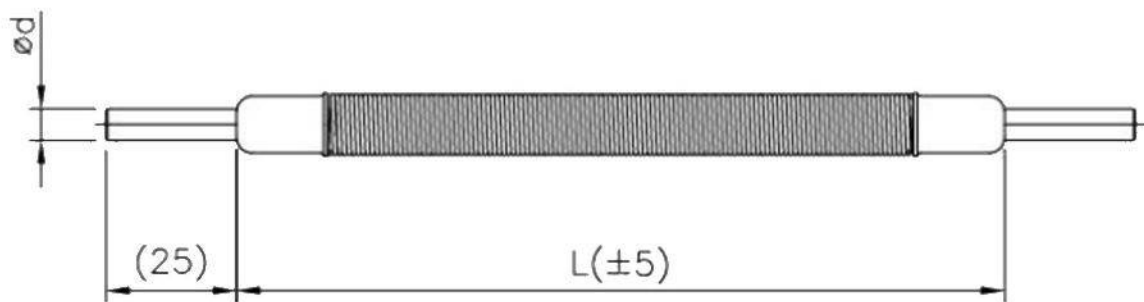
Characteristics & Dimensions		
Model	Graduation	H
321660	12.00 Kg/cm ² ~ 9.00 Kg/cm ²	24.00
**** All dimensions are given in millimeters.		

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

ISH PST SM PST

FLEXIBLE HOSE







Characteristics & Dimensions

FLEXIBLE HOSE

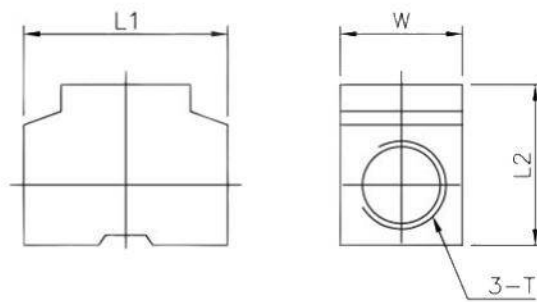
MODEL	TUBE DIAMETER	PRESURE RANGE
PST04	Ø4.00	0 ~ 4MPa (0 ~ 40Kgf/cm ²)
PST06	Ø6.00	0 ~ 4MPa (0 ~ 40Kgf/cm ²)
PSM04	Ø4.00	4 ~ 8MPa (40 ~ 80Kgf/cm ²)
PSM06	Ø6.00	4 ~ 8MPa (40 ~ 80Kgf/cm ²)

*** Pressure Range is given in Kgf/cm².
 ***** All dimensions are given in millimeters.

ISH PT
SM PT

**3 WAY
JUNCTION**







Characteristics & Dimension

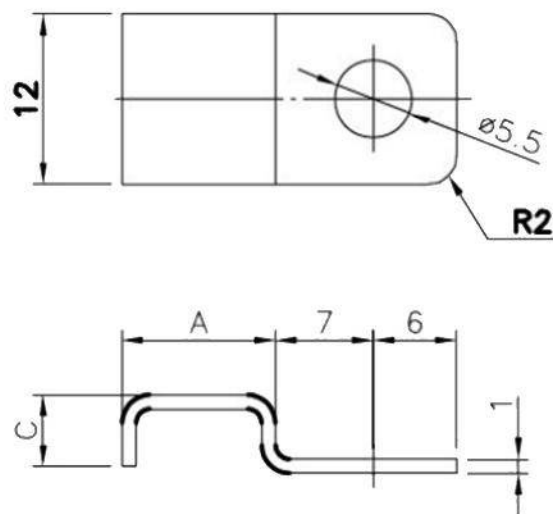
Modle	T	L1	L2	W	Peso
PT01	PS 1/8"	27	21.00	14.00	34.00 gr
PT02	PS 1/4"	31	25.00	18.00	57.00 gr
PT03	PS 3/8"	40	31.00	21.00	86.00 gr

*** The lenght of the hose should be determinded by customer.

**** All dimensions are given in millimeters.

TUBE GRIPPING CLIP







Characteristics & Dimension

Modle	T	L1	L2	W	Peso
PT01	PS 1/8"	27	21.00	14.00	34.00 gr
PT02	PS 1/4"	31	25.00	18.00	57.00 gr
PT03	PS 3/8"	40	31.00	21.00	86.00 gr

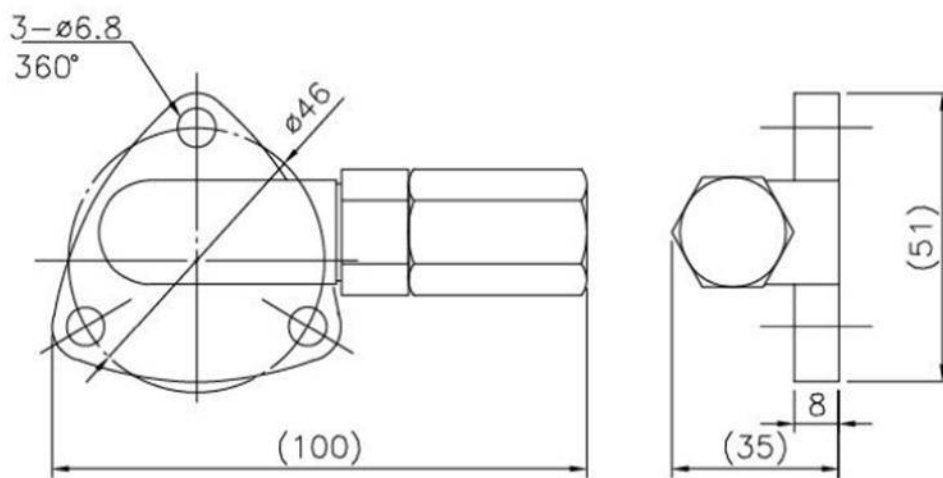
*** The lenght of the hose should be determined by customer.

**** All dimensions are given in millimeters.

ISH TAV SM TAV

TOP ADJUSTABLE VALVE



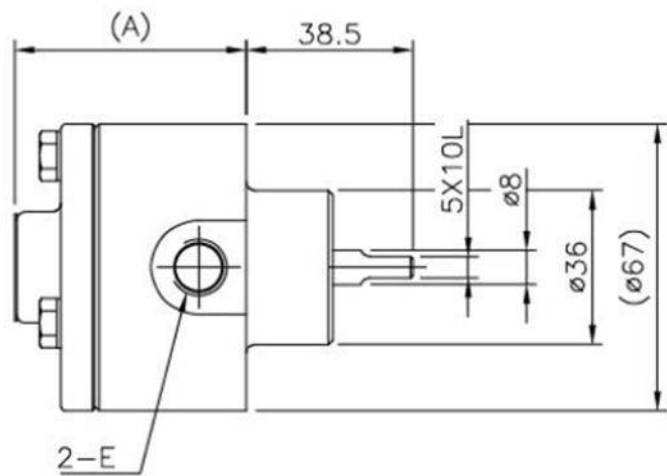
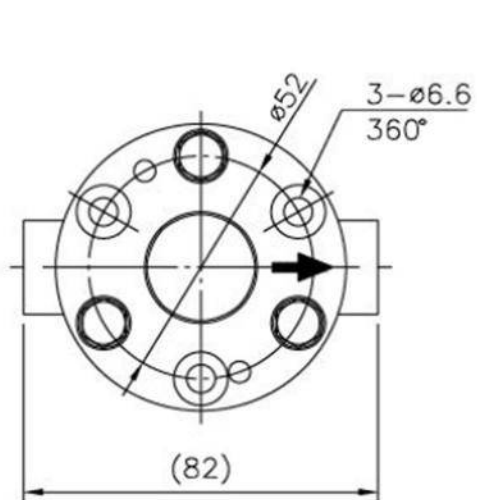


- a) The structure is simple and easily adjusted.
- b) It cooperates with TOP feed pump to adjust the pressure of pipes.
- c) Pressure Adjustment Range: **0.2-0.SPMPa** (kgf / cm^2).

ISH TOP-11A SM TOP-11A

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.

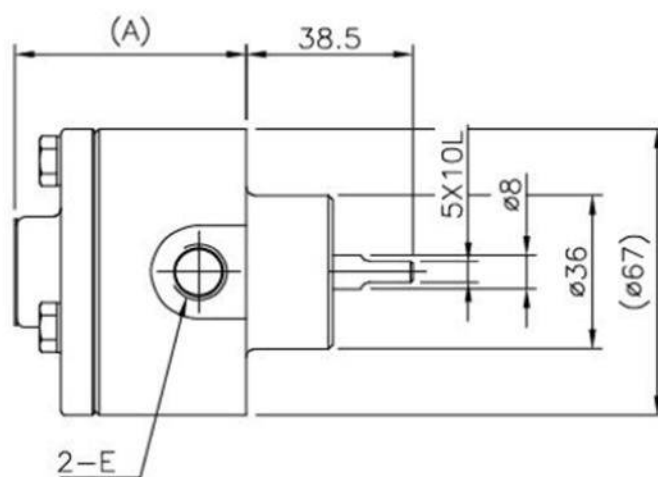
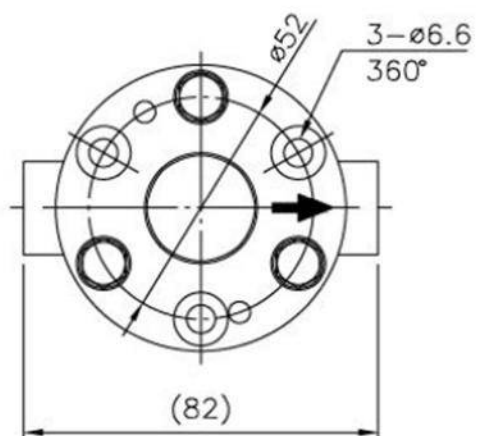
**** Maximum Output Pressure is determined in Mpa (Kgf/cm²).

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

ISH TOP-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



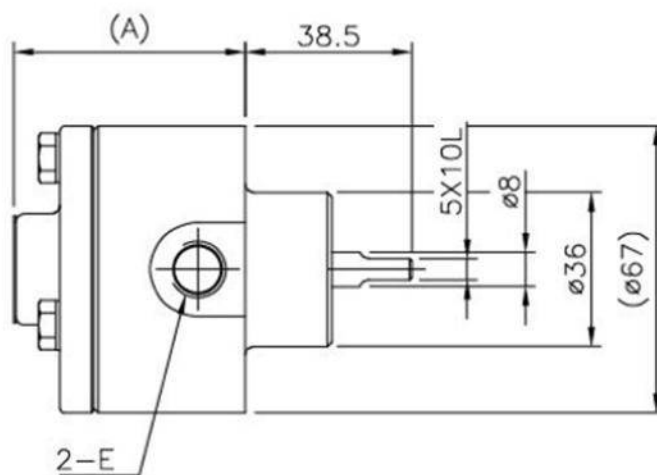
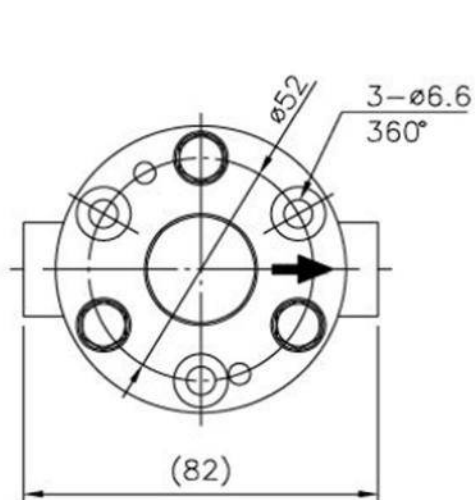
SMUS

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

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.

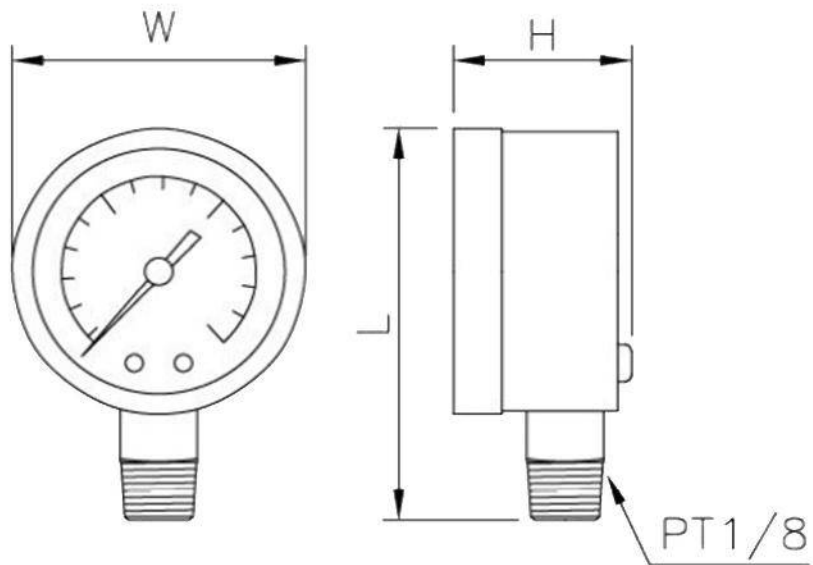
**** Maximum Output Pressure is determined in Mpa (Kgf/cm²).

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

ISH 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 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 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.

4Man

Elements For Manufa



ISHAN
LUBRICATION SYSTEM

伊山精密工業股份有限公司
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
www.4ManPro.com/ENG/

*Elements For
Manufacturing Processes*