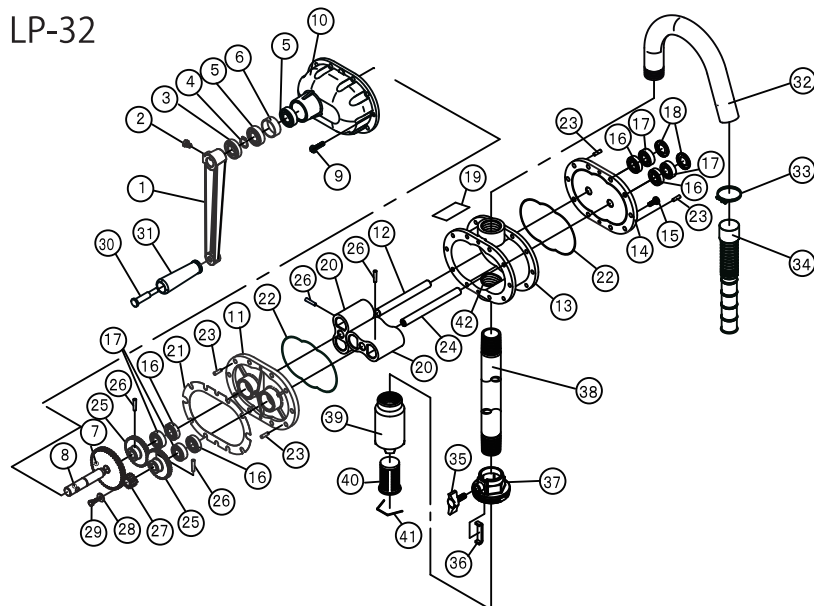


PARTS LIST

LP-32



No	PARTS NAME	QTY
1	Handle	1
2	Hexagon bolt	1
3	Oil seal	1
4	Stop ring	1
5	Bearing	2
6	Bearing Collar	1
7	Reinforcement Gear	1
8	Reinforcement Shaft	1
9	⊕Screw	10
10	Gear cover	1
11	Inside cover	1
12	Roots shaft	1
13	Housing	1
14	Outside cover	1
15	⊕Screw	10
16	Oil seal	4
17	Bearing	4
18	Bearing cap	2
19	Name plate	1
20	Roots	2
21	Cover packing	1
22	O ring	2

No	PARTS NAME	QTY
23	Straight pin	4
24	Roots shaft	1
25	Timing Gear	2
26	Taper pin	4
27	Pinion Gear	1
28	Gear washer	1
29	⊕Screw	1
30	Handle rivet	1
31	Handle grip	1
32	Bend	1
33	Hose band	1
34	Delivery Hose	1
35	Thumb screw	1
36	Stopper	1
37	Larger screw	1
38	Suction pipe	1
39	Filter body	1
40	Strainer	1
41	Filter stopper	1
42	Insert bushing	1

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KOSHIN

HIGH LITER PUMP

OPERATION MANUAL

《LP MODEL》

- Thank you for purchasing high performance KOSHIN HIGH LITER PUMP.
- This manual is prepared for your safety when operating pump.
Please read carefully and comprehend fully before use.
(Wrong usage could cause injury or death)
- Please keep this manual handy for future reference.

Please read manual before operation.

KOSHIN LTD.

<http://www.koshinpump.com>

12 Kami-Hachinotsubo Kotari,
Nagaokakyo City, Kyoto 617-8511 JAPAN
TEL. +81-75-954-6111 FAX. +81-75-954-6119

HOW TO USE

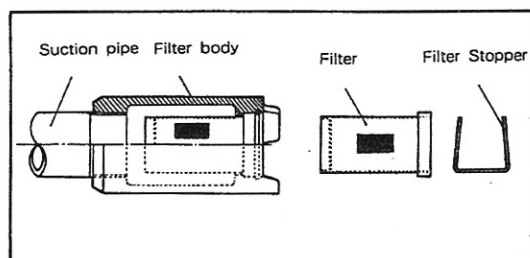
1. Revolutionary direction

The handle turns in clockwise direction and discharge of one liter is available by one revolution of the handle.

2. Filter

A filter of #60 mesh polyethylene net is provided under the pump and motor revolution becomes harder when the filter is clogged with dust. Remove the filter periodically to be cleaned with kerosene or the like.

•(See the following illustration.)



CAUTION

1. Applicable liquids

The pump is the most suitable for low viscosity liquids such as kerosene, heavy oil A, and spindle oil. Although applicable to other liquids of high viscosity as well, the pump becomes heavier to turn.

2. This is not applicable for any solvent which dissolves rubber.

3. The pump is not applicable to any liquid containing a dirt such as waste oil.

Stained liquid may block the filter, preventing discharge, will damage the pump interior, or can cause other troubles.

SPECIFICATION

Delivery Volume	One revolution per liter, 100 liters per minute
Suction pipe	32mm x 1.6t
Delivery Hose	32mm x 1275mm
Strainer	#60 with mesh, polyethylene
Net Weight	8 kg

TROUBLE & REMEDY

Handle fails to turn	Dust clogging in the pump	Overhauling
	Gear breakage	Repair
Handle is heavy to turn	Dust clogging in the pump	Overhauling
	Filter blocking	Cleaning of the filter
Turns but no discharge	Gear breakage	Repair
	Shaft & pin breakage	Repair