

LA

Hand Pump



LA3

LA8D

MODEL CODE

LA 3

Discharge Volume
 3 : 3cm³/st
 6 : 6cm³/st
 8D : 8cm³/st
 Base Code

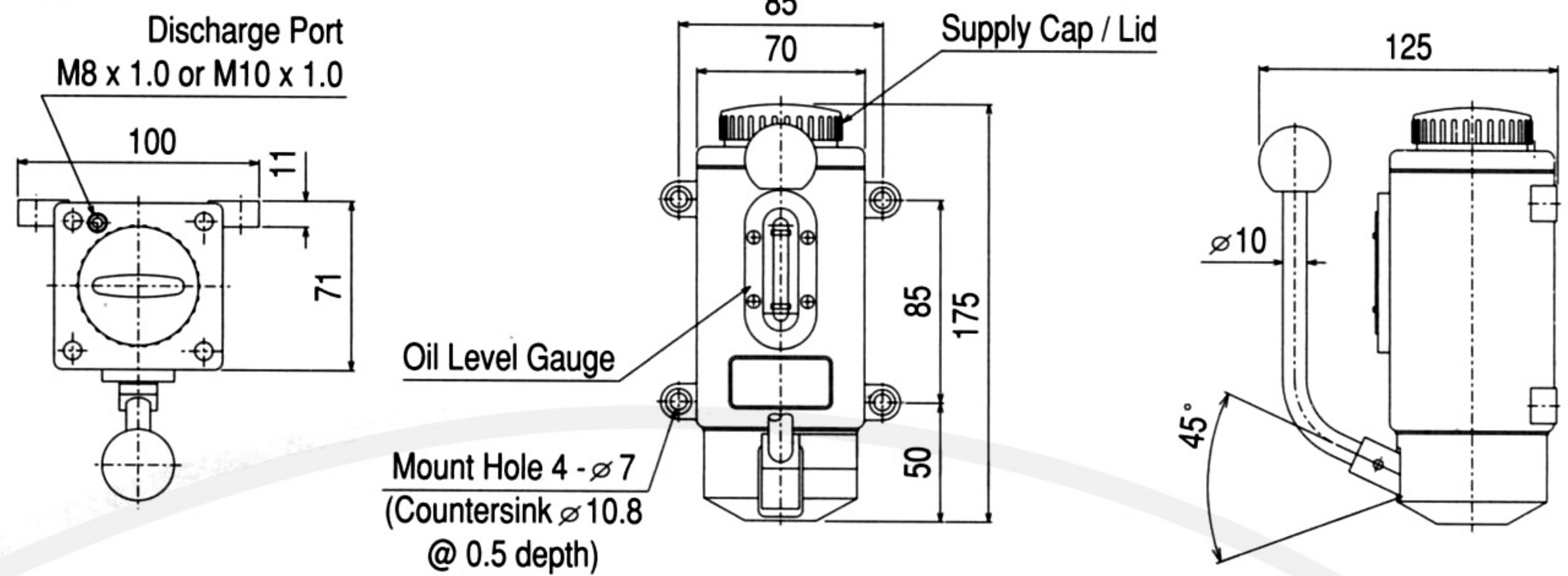
- Resistance type manually operated pump
- 3 types available, dispensing either 3cm³/stroke, 6cm³/stroke or 8cm³/stroke
- Direct pressure type lever pump

The LA model is a simple to use hand pump. Distribution of oil is induced by the force created upon pulling the lever.

3 types of LA hand pumps are available, dispensing either 3cm³/stroke, 6cm³/stroke or 8 cm³/stroke, and are ideal for use in conjunction with Dester Valves (Resistance type distribution junctions).

2 types of LA8D models are available. The LA8DR and the LA8DL have distribution ports on opposing sides, broadening installation capabilities.

LA6-4 (6)



SPECIFICATIONS

MODEL CODE	Discharge Vol. (cm ³ /st)	Max. Discharge Pressure (MPa)	Discharge Port Size	Tank Capacity (L)	Effective Tank Capacity (L)
LA3	3	1.5	M8 x 1.0	0.21	0.17
LA6-4 (6)	6	1.5	LA6-4 M8 x 1.0	0.35	0.25
			LA6-6 M10 x 1.0		
LA8DR (L)	8	1.5	Rc 1/8	0.6	0.4

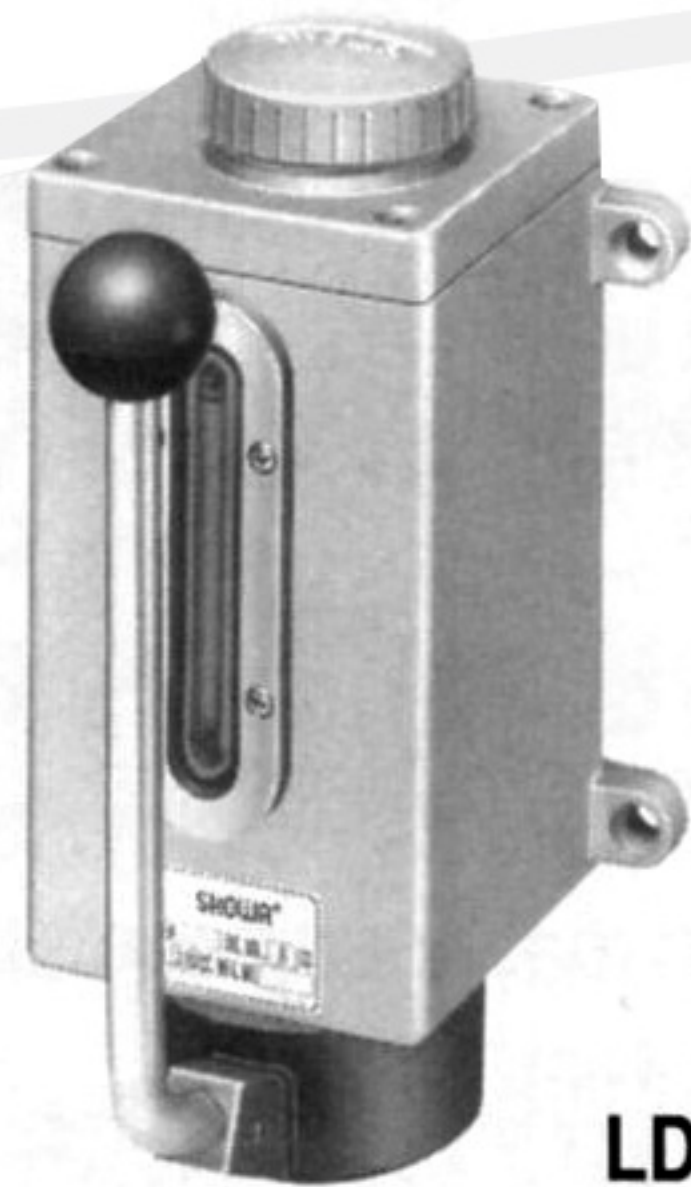
* 2 types of LA6 are available. (LA6-4 for $\varnothing 4$ piping and LA6-6 for $\varnothing 6$ piping)

* 2 types of LA8D are available. (LA8DR with the discharge port on the right and LA8DL with the discharge port on the left)

* The LA3 possesses a plastic tank, while the LA6 and LA8D are equipped with die-cast aluminum tanks

LD

Hand Pump



LD8

MODEL CODE

LD 6

Discharge Volume
 6 : 6cm³/st
 8 : 8cm³/st
 Base Code

- Spring pressure induced oil discharging hand pump
- 2 types available, dispensing either 6cm³/stroke or 8cm³/stroke

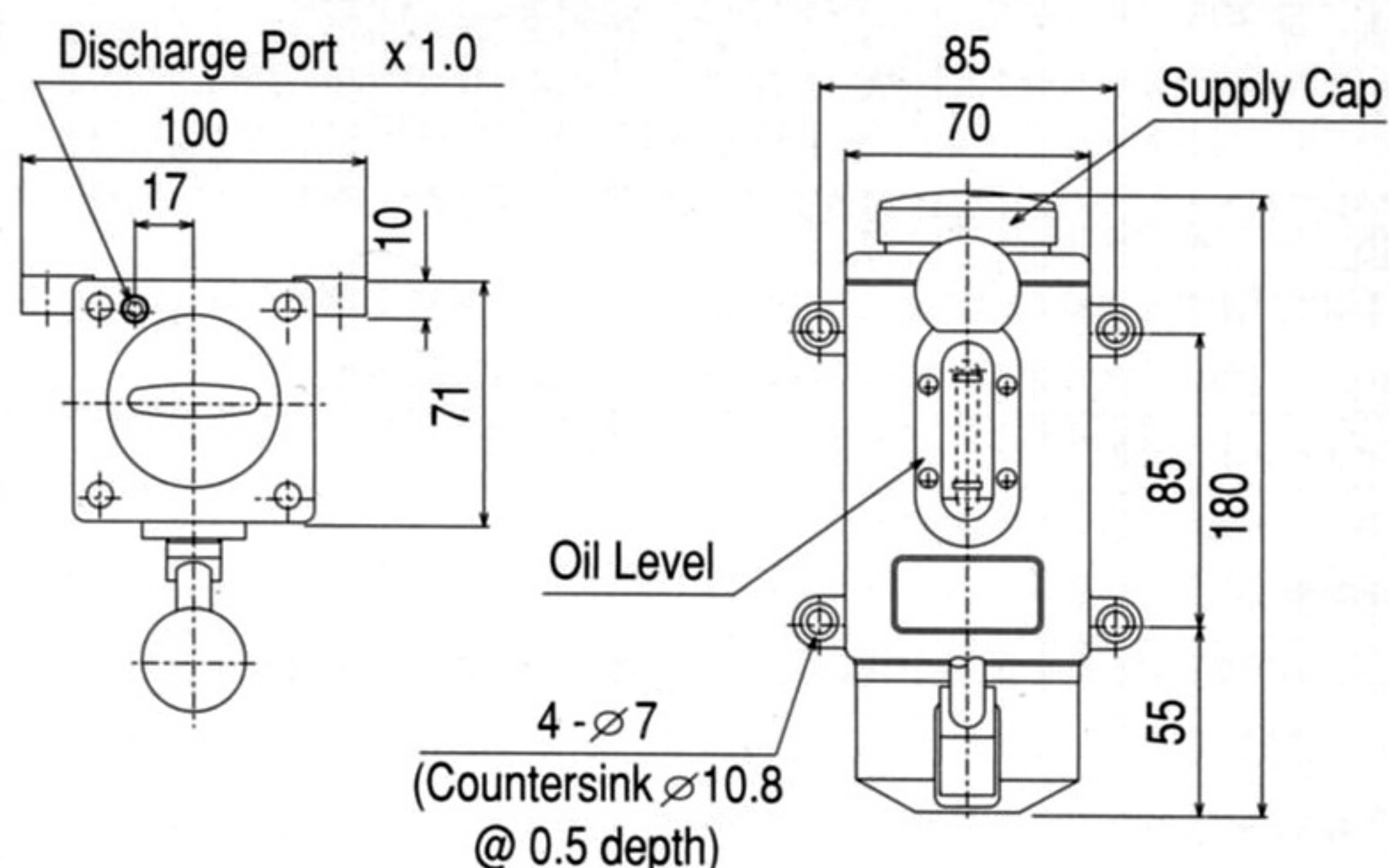
The LD manual pump dispenses oil after the handle has been pulled and released, utilizing the force of the compressed spring inside.

Being a low pressure type hand pump, the LD model is ideal for use in conjunction with SHOWA's Flow Proper Units (PSS, PST, etc).

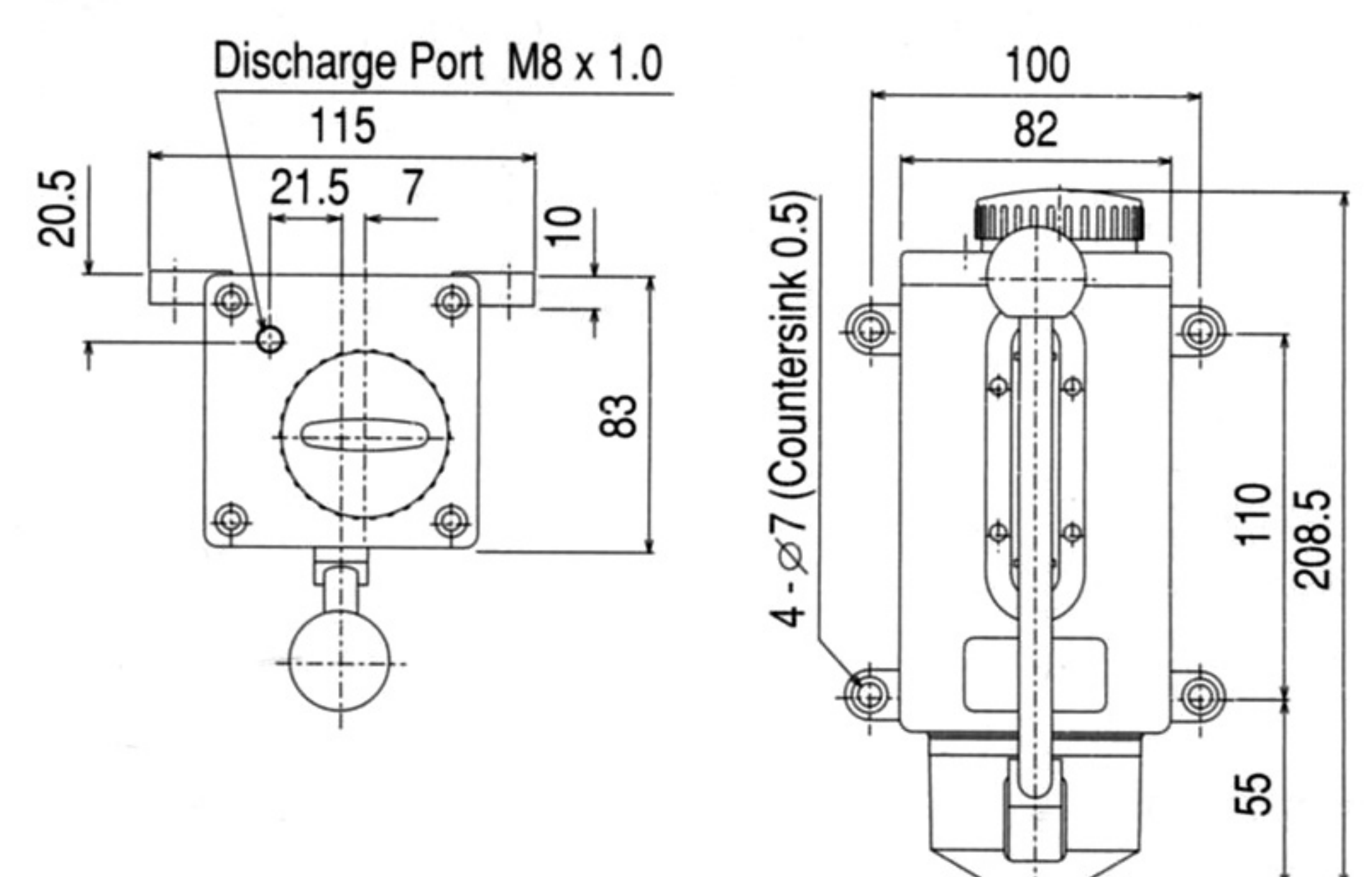
SPECIFICATIONS

MODEL CODE	Discharge Vol. (cm ³ /st)	Max. Discharge Pressure (MPa)	Discharge Port Size	Tank Capacity (L)	Effective Tank Capacity (L)
LD6	6	0.35	M8 x 1.0	0.35	0.22
LD8	8	0.35	M8 x 1.0	0.6	0.37

LD6

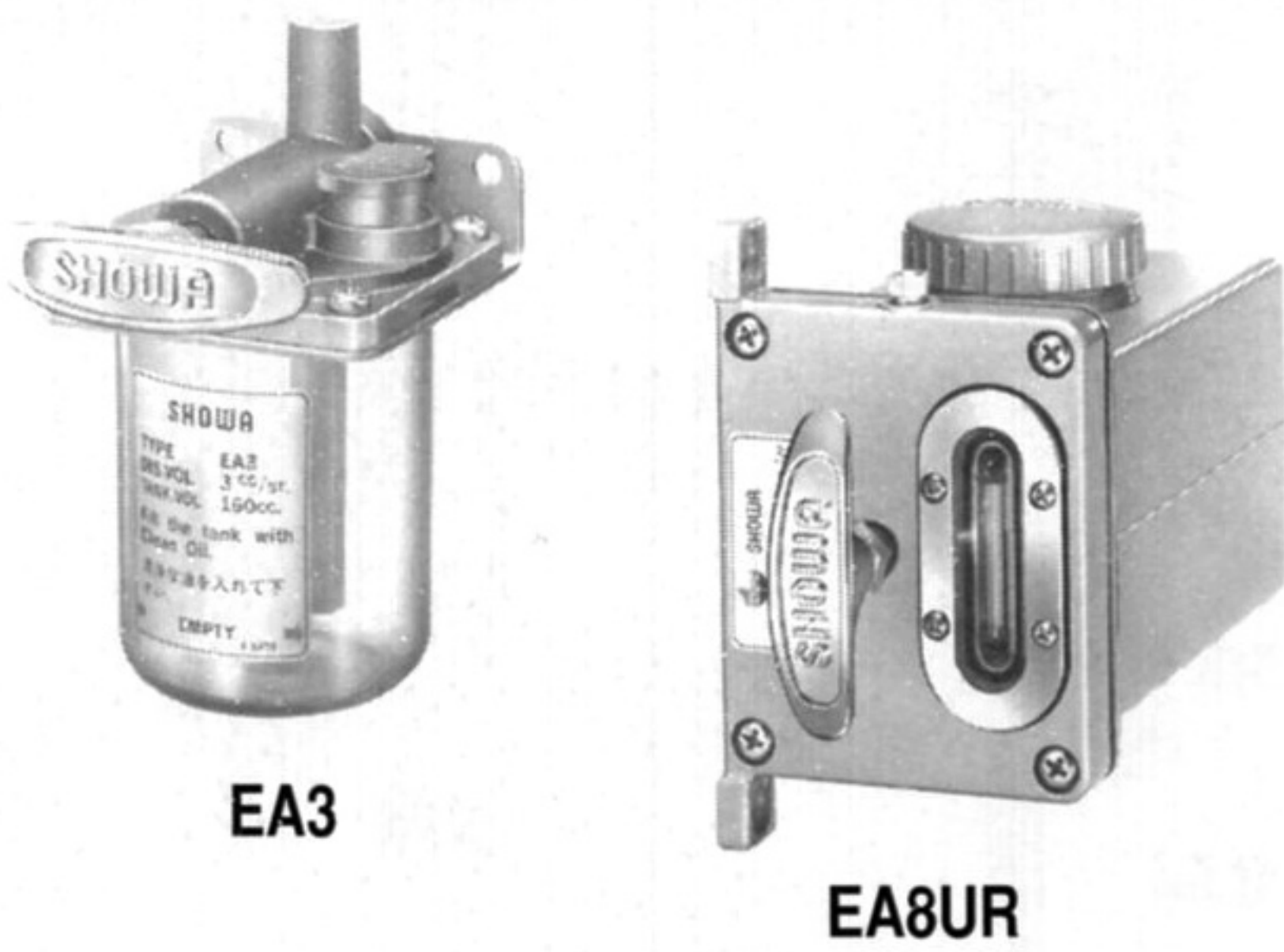


LD8

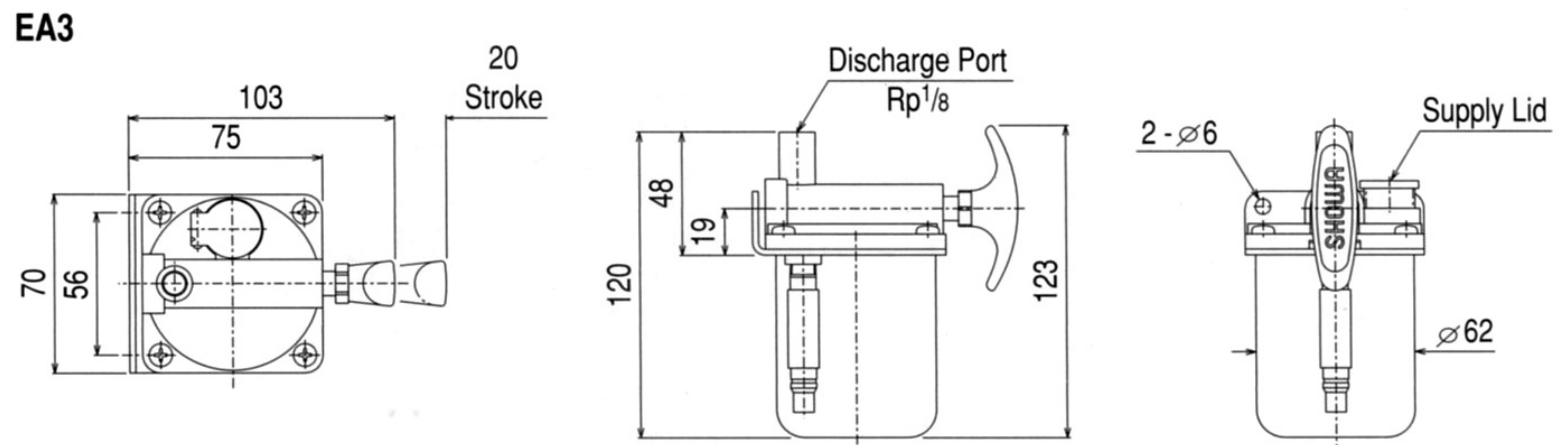


EA

Hand Pump



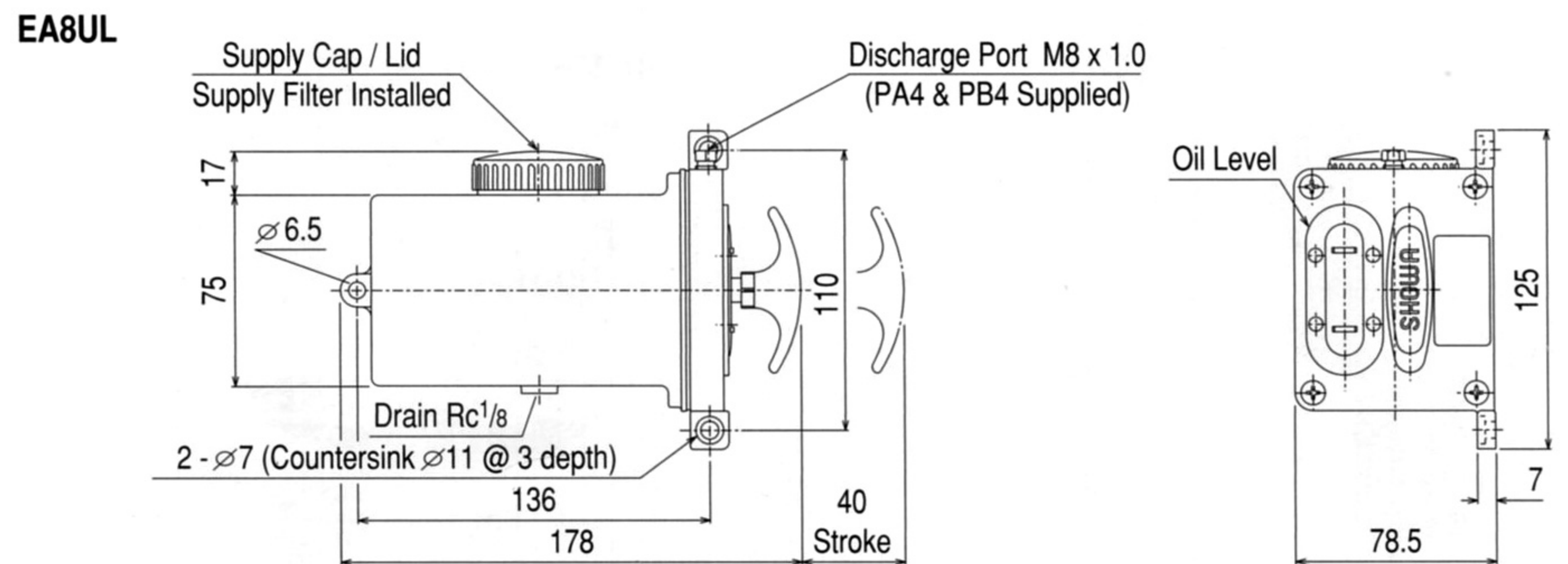
- Simply pulling and releasing the handle once, oil is discharged from the pump



MODEL CODE

EA 8 U R

- Pump Installation**
L : On Left of Machine
R : On Right of Machine
- Discharge Port Position**
U : On Top
D : On Bottom
- Discharge Volume**
3 : 3cm³/st
8 : 8cm³/st
- Base Code**



- * The "L" represented in the Model Code section above (under Pump Installation), indicates the pump will be mounted on the LEFT in relation to the target machine (Viewing from front).
- * The ability to select the discharge port's position (top or bottom of the pump) and the attachment face on either side, broadens the installation capabilities of the EA8 pump unit.
- * EA3 are only available with discharge ports facing upwards.
- * The EA3 and EA8 models are equipped with a plastic and a die-cast aluminum tank, respectively.

SPECIFICATIONS

MODEL CODE	Discharge Vol. (cm ³ /st)	Max. Discharge Pressure (MPa)	Discharge Port Size	Tank Capacity (L)	Effective Tank Capacity (L)
EA3	3	0.3	Rp $\frac{1}{8}$	0.16	0.14
EA8 U(D) R(L)	8	0.35	M8 x 1.0 (ϕ 4 tube)	0.6	0.5

HLA7

Hand Pump



- Push lever type manual pump
- Adjustable dispensing volume, ranging from 1 cm³/stroke to 7cm³/stroke

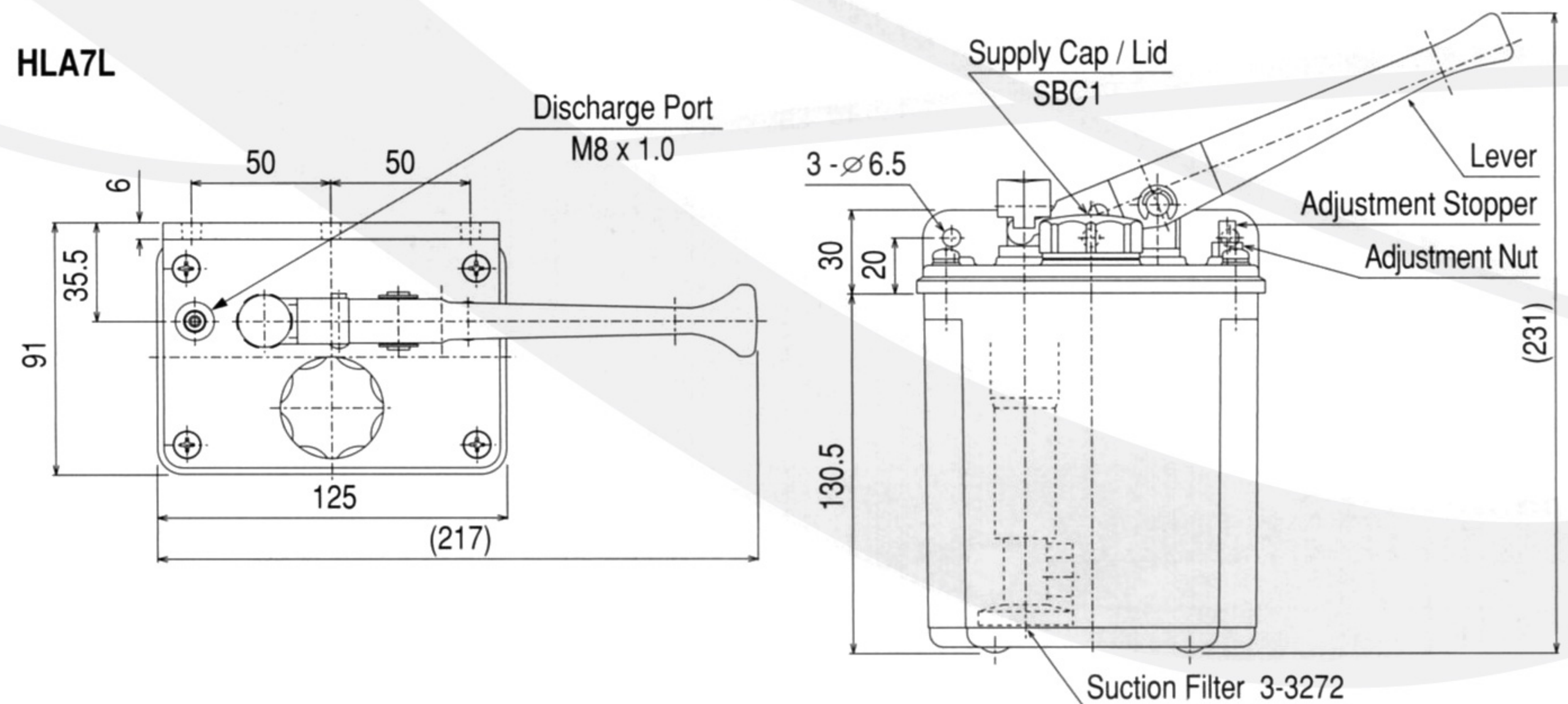
Distribution of oil is induced by simply moving the lever up and down. The HLA7 model has an adjustable dispensing volume of 1cm³/stroke to 7cm³/stroke, which can be set by adjusting the adjustment nut and stopper positioned next to the lever. The pump is supplied with a 1 L plastic tank and is available with levers facing either direction to suit installation and operational requirements.

HLA7R

MODEL CODE

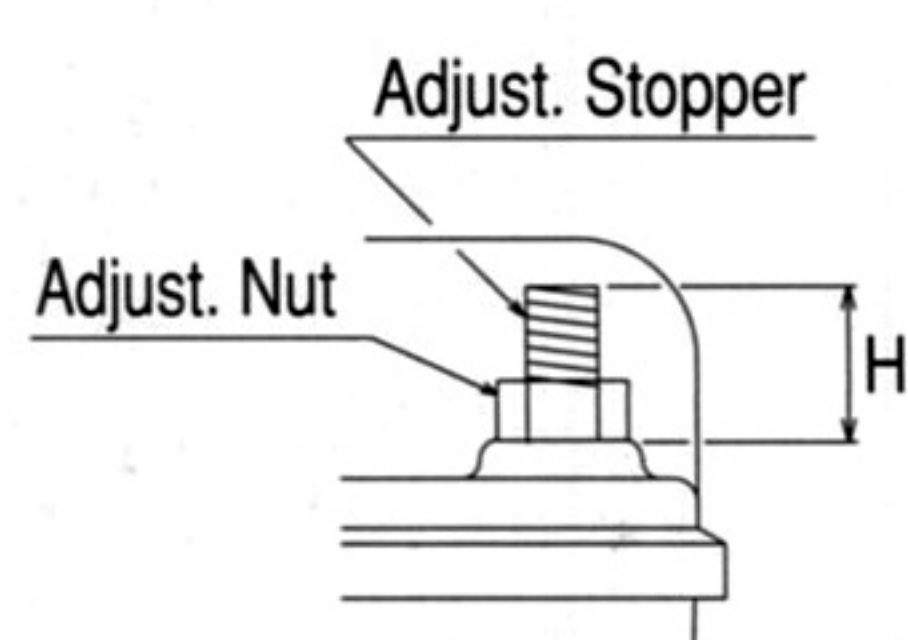
HLA 7 R

- Pump Installation**
L : Left Mounted
R : Right Mounted
- Discharge Volume**
7 : 1 ~ 7cm³/st
- Base Code**



DISCHARGE VOLUME

To adjust the discharge volume, loosen the adjustment nut and alter the protruding height of the adjustment stopper to set the desired volume of discharge.



Discharge Vol. (cm ³ /st)	"H" Protrusion (mm)
1	25
2	23
3	21
4	19
5	147
6	15
7	13

SPECIFICATIONS

MODEL CODE	Discharge Vol. (cm ³ /st)	Max. Discharge Pressure (MPa)	Discharge Port Size	Tank Capacity (L)	Effective Tank Capacity (L)
HLA7L (R)	1 ~ 7	0.3	M8 x 1.0	1	0.8

- * The HLA7 pump's initial discharge volume is set to 7cm³/st.
- * The "R" represented in the "Pump Installation" table indicates the pump is to be mounted on the RIGHT in relation to the machine. (viewing from the front) Therefore, the pump's mounting face is positioned on it's left when the lever is held straight.