

# ALF400 to 900, ALT-5/-9 Series

## How to Order

### <Auto Feed Lube>

**ALF** **40** **0** - **02** -

Auto Feed Lube

Body size

40	1 1/2
50	3/4
60	1
80	1 1/2
90	2

Port size

02	1/4
03	3/8
04	1/2
06	3/4
10	1
12	1 1/4
14	1 1/2
20	2

Thread type

Nil	Rc
N	NPT
F	G

Option

Nil	—
R	Flow direction: Right to left

Option

Symbol	Description	Applicable model
Nil	—	—
B	With bracket	ALF400 to 600
X208	Metal case with a level gauge	ALF400 to 900

### <Auto Feed Tank>

**ALT** - **5** - **IS-1** -

Auto Feed Tank

Thread Type

Nil	Rc
N	NPT
E	G

Tank capacity

5	5000 cm <sup>3</sup> tank
9	9000 cm <sup>3</sup> tank

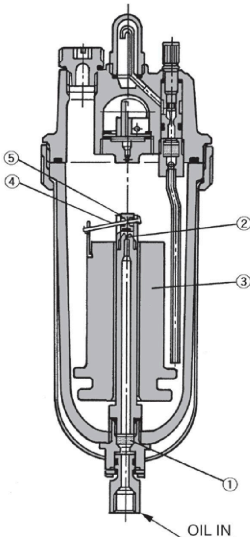
Option

Nil	—
R	Flow direction: Left to right

Option

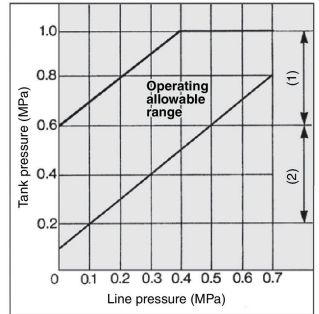
IS-1	W/float switch (Bottom limit ON)
IS-2	W/float switch (Bottom limit OFF)

## Working Principle/Auto Feed Lube



The oil that has been pumped from the tank passes through felt ① where it is filtered, and is fed into the case through nozzle ②. When the volume of oil reaches a certain level, float ③ ascends, valve ⑤ descends via lever ④, nozzle ② closes, and the feeding of oil stops, thus completing the oil feeding process. When the oil inside the case is consumed, float ③ descends, valve ⑤ ascends via lever ④, allowing oil to be fed from nozzle ②.

## Operating Pressure Range



Note 1) Tank pressure is removed when line pressure is stopped.  
 Note 2) Tank pressure is kept same when line pressure is stopped possible to use.

## ⚠ Precautions

Be sure to read this before handling the products. Refer to back page 50 for Safety Instructions and pages 387 to 391 for Precautions on every series.

## Mounting

### ⚠ Warning

If the pressure is discharged, the oil could flow back if the operating pressure differential range (the differential between the tank and line pressures) exceeds 0.6 MPa. Therefore, make sure to also discharge the tank pressure.

### ⚠ Caution

Install the float vertically inside the bowl so that it will not come into contact with the siphon tube, preventing the oil from dripping poorly.

## Maintenance

### ⚠ Caution

Oil cannot be fed into Auto Feed Lube under being pressurized. We recommend oil is supplied from cam handle (plug for oil supply) of an auto feed tank.