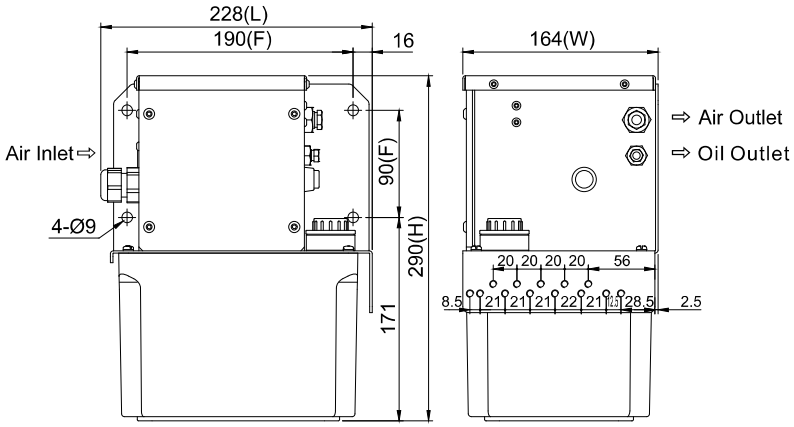
POA Oil-Air Type Pneumatic Lubricator PLC

CHEN YING



POA-03-C



Dimensional Drawing of POA-03-C

◆Features

1. The operation and interval time of POA are controlled by PLC.
2. POA is actuated by pneumatic and controlled by a solenoid valve, which could be an ON/OFF switch. The input pneumatic pressure determines the output pressure. Oil discharges during operation.
3. Recommend using input pneumatic pressure of 3.5-7 kgf/cm² and setting up a solenoid valve's ON/OFF time of more than 5 seconds for discharging oil.
4. POA has a feed-oil button which can be used for manual oil feeding.
5. Recommend working with OC type oil-air volume distributors to deliver the metered quantity of oil-air mixture to lubrication points.
6. POA has two pressure gauges that enable the user to check the input pneumatic and output operating pressure easily.
7. POA has a NC contact float switch that detects the oil level automatically and sends signals when the oil level is low.
8. POA has three NC Contact socket pressure switches, and the specifications are as follows.
   ① High Oil-Pressure Switch sets 20 kgf/cm² to detect the operating pressure.
   ② Low Oil-Pressure Switch sets 1 kgf/cm² to detect the pressure-relief function.
   ③ Air-Pressure Switch sets 3.5 kgf/cm² to detect the pneumatic pressure.

◆Order Code

POA — 03 — C — ※

Tank Capacity (Material)	
03	3L (Resin)

Voltage	
A	AC 110V
C	AC 220V
J	DC 12V
K	DC 24V

Special Request	
AO	NO Contact Air Pressure Switch
HO	NO Contact High Oil-Pressure Switch
LO	NO Contact Low Oil-Pressure Switch
OC	Add an OC Oil-Air Volume Distributor (Please refer to OC catalog and provide order code.)
SO	NO Contact Float Switch

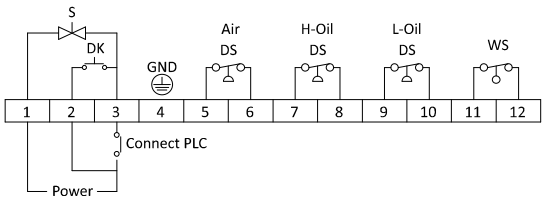
◆Dimensional Data

Tank Capacity	Tank Material	Length (mm)	Width (mm)	Height (mm)	Fixed Hole Distance (mm)	N.W. (kg)
3L	Resin	228	164	290	90x190	5.50

◆Technical Data

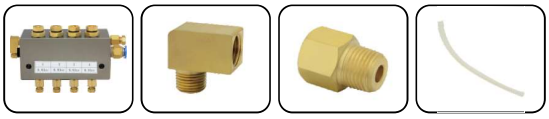
Voltage	AC110V, AC220V, DC12V, DC24V							
Pneumatic Pressure (kgf/cm²)	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0
Operating Pressure (kgf/cm²)	26	30	34	38	41	45	49	53
Discharge Volume	5cc/stroke							
Air Inlet	PT3/4							
Air Outlet	Ø8							
Oil Outlet	Ø6							
Float Switch	NC Contact (NO Contact on request)							
Pressure Switch	NC Contact (NO Contact on request)							
Suitable Viscosity	Oil, 10-68 cSt@40°C							

◆Wiring Diagram



GND = Ground , DS = Pressure Switch , WS = Float Switch
DK = Feed-Oil Button , S = Solenoid Valve

◆Related Products



P. 96 P. 113 P. 111 P. 125