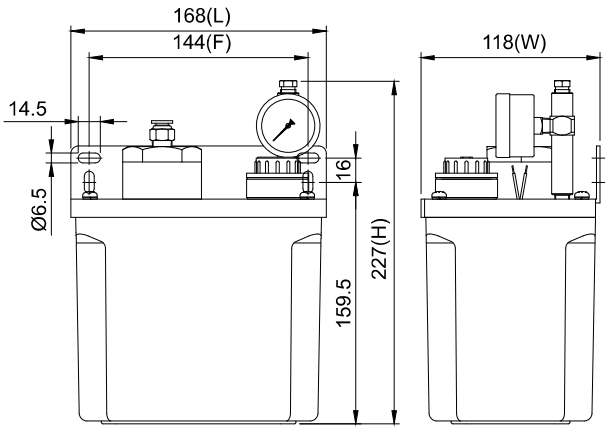
PNB Pressure-Relief Type Pneumatic Lubricator



PNB-01-3-0



Dimensional Drawing of PNB-01-3-0

◆Features

1. PNB is actuated pneumatically by a solenoid valve to discharge oil intermittently. The pneumatic pressure supply controls the output pressure of PNB.
2. PNB requires 4-8 kgf/cm² pneumatic pressure supply and 5 seconds above ON/OFF time of the solenoid valve to work functionally.
3. PNB has to work with volume distributors to deliver the metered quantity of oil to the lubrication points.
4. PNB has a pressure gauge that enables the user to check the operating pressure easily.
5. PNB has a NC contact float switch that detects the oil level automatically and sends signals when the oil level is low.
6. An 8kgf/cm² socket pressure switch can be added to PNB on request to detect the operating pressure automatically.
7. A magnetic filter and a partition can be added to PNB on request to filter the oil that returns to the oil tank through the cyclic inlet.
   - 3L oil tank and above can add a magnetic filter.
   - 3L, 4L resin oil tanks, and 8L iron oil tanks can add a partition.

◆Order Code

PNB — 01 — 3 — 0 — ※

Tank Capacity (Material)	
01	2L (Resin)
02	2L (Alum.)
03	3L (Resin)
04	4L (Resin)
05	4L (Alum.)
08	8L (Iron)

Discharge Bore	
0	Ø4
1	Ø6
2	Ø4 W/Pressure Gauge
3	Ø6 W/Pressure Gauge

Air Inlet	
0	Ø4
1	Ø6

Special Request	
C	Add a Magnetic Filter (Available for 3L and above tanks only)
D	Add a Partition (Available for 3L, 4L resin tanks, and 8L iron tanks only)
PC	Add a NC Contact Pressure Switch
PO	Add a NO Contact Pressure Switch
SO	NO Contact Float Switch

◆Dimensional Data

Tank Capacity	Tank Material	Length (mm)	Width (mm)	Height (mm)	Fixed Hole Distance (mm)	N.W. (kg)
2L	Resin	168	118	227	144	2.27
2L	Alum.	217	150	212	95x200	3.07
3L	Resin	231	166	222	205	2.86
4L	Resin	277	160	236	250	2.68
4L	Alum.	297	170	232	95x280	4.14
8L	Iron	355	201	252	95x338	7.24

◆Technical Data

Pneumatic Pressure (kgf/cm²)	4	5	6	7	8
Operating Pressure (kgf/cm²)	14	18	23	28	33
Discharge Volume	8cc/stroke				
Air Inlet	Ø4, Ø6 (Outer Thread PT1/4)				
Discharge Bore	Ø4, Ø6				
Float Switch	NC Contact (NO Contact on request)				
Pressure Switch	Optional (NC or NO Contact)				
Suitable Viscosity	Oil, 10-220 cSt@40°C				

◆Related Products


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