

Lion™ 350 5:1 Oil Pump

Balcrank
Fluid Dispensing Systems

Double-acting, air-operated, medium pressure, heavy-duty pumps for dispensing lubricants in medium to large size installations, which may include simultaneous dispense points. Built-in port for the included pressure relief valve.
(Wall mount does not include bung adaptor)



Fluids

- Synthetic and mineral based oil
- Hydraulic oil
- Gear oil
- Transmission fluid

Applications

- Railroad and mass transit vehicle maintenance
- Fleet service facilities
- Marine
- Auto and truck dealerships
- Mining and construction
- Lube trucks
- Industrial

▪ 3 1/4" Air motor

Pneumatically actuated air valve with only three moving parts and no springs. Large effective area for maximum pumping power

▪ Efficient internal air exhaust

Prevents icing, which can stall pump operation

▪ Long life packings

Dual packing seals provide trouble-free operation

▪ Double acting pump

Provides even and smooth fluid flow

▪ Double ball pump design

Stub pump used for positive priming and pumping of all grades of oil

▪ Large port pump inlet ball-check valve

Helps in positive priming and improves pump efficiency

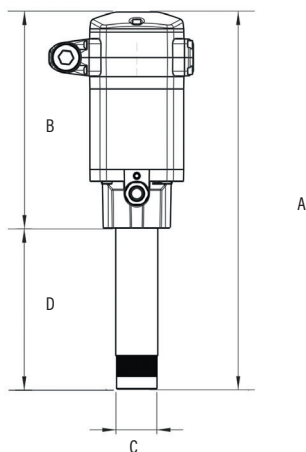
▪ Includes a pressure relief valve kit (3120-214)

Pressure relief kit relieves system pressure, that can cause damage to lubrication systems

ORDER INFORMATION

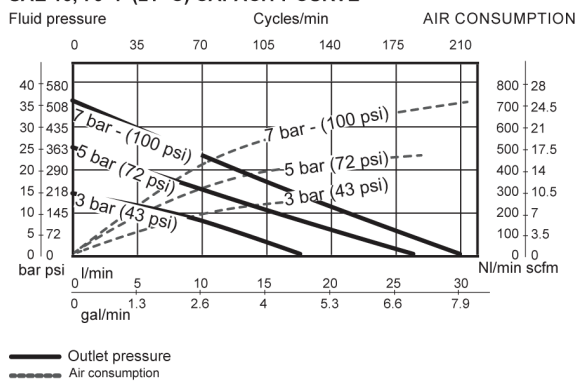
MODELS AVAILABLE	DESCRIPTION
1430-010	Lion™ 350 5:1, Wall mount stub
1430-011	Lion™ 350 5:1, Bung mount stub
1430-012	Lion™ 350 5:1, 55 gal Drum length

Dimensions inches (mm)



IN (MM)	1430-010	1430-011	1430-012
A	18" (457)	18" (457)	47" (1194)
B	10" (254)	10" (254)	39" (991)
C	1 1/2" NPT (F)	1 1/2" NPT (F)	1 1/2" NPT (F)
D	8" (200)	8" (200)	36" (925)

SAE 10, 70 °F (21 °C) CAPACITY CURVE



TECHNICAL DATA

SPECIFICATIONS	
Pump ratio	5:1
Operating air pressure	30 to 175 psi (2 to 12 bar)
Air consumption ⁽¹⁾	12.4 SCFM (350 NI/min)
Maximum pressure	875 psi (60 bar)
Air motor effective diameter	3.25" (80 mm)
Air motor stroke	3.15" (80 mm)
Delivery at 80 cpm	3.2 gal/min (12 l/min)
Flow rate	8 gal/min (30 l/min)
Air inlet	3/8" NPT (F)
Swivel inlet (stub pump only)	1 1/2" NPT (F)
Swivel outlet	1/2" NPT (F)
Wetted materials	Hard chromed steel, Steel, Polyurethane, NBR, Aluminum
Noise level	Pump noise level meets OSHA requirements at all recommended operating air pressures
Service Bulletin	SB 1155

(1) Maximum air consumption with 72 psi (5 bar) air inlet pressure and 80 cpm.

ACCESSORIES	DESCRIPTION	
3120-214	Kit, PR valve 1/4" NPT(M) 850 psi for use with Lion™ 350 5:1. Kit includes return tube and 1/8" NPT(M) adapter	
4410-067	5' Hose Kit	
4410-068	2.5' Wall mount hose kit	
4411-039	Wall mount bracket	
4412-031	Suction Tube, 1.5" x 38" 55 gal drum and beach tank	
4412-032	Suction Tube, 1.5" x 47" horizontal obround tank	
4412-033	Suction Tube, 1.5" x 63" 275 gal vertical obround tank	
4412-034	Suction Tube, 1.5" x 75" 330 gal vertical obround tank	

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