

DIMENSIONS INCHES (MM)			
1450-014			
A	B	C	D
54 3/5" (1.387 mm)	26 9/10" (684 mm)	2 3/4" (70 mm)	27 1/2" (700 mm)
1450-015			
60 3/5" (1.540 mm)	26 9/10" (684 mm)	2 3/4" (70 mm)	33 13/20" (855 mm)

Ultra high pressure grease pumps, designed to be used in oil and gas wells in wireline and plug valve applications:

In **wireline applications**, these pumps are used to seal against the well external pressure, preventing the tube from collapsing as the well is perforated.

In **plug valve applications**, these pumps move heavy grease into "Christmas tree valves", sealing any gas leak.

Main Features:

- 8" air motor, effective diameter, for maximum power
- Well proven, no stall and no ice forming air motor
- Reinforced construction, to stand up to 18,000 psi pressure
- Reliable fluid seals
- Divorced designed with steel covers to protect pump rod from tough environment

Fluids

- Grease up to NLGI-2

Applications

- Railroad/mass transit
- In-plant
- Marine
- Oil fields/fracking

TECHNICAL DATA	
Continuous duty flow rate	3.3 lb/min (1.5 kg/min)
Operating air pressure	30 - 100 psi (2 - 7 bar)
Maximum outlet pressure	20,000 psi (1,400 bar)
Air motor effective dia.	8" (200 mm)
Air motor stroke	4" (100 mm)
Air inlet	3/4" NPT(F)
Fluid outlet	Autoclave engineers medium pressure port for 9/16" Tube, 13/16 - 16 thread
Wetted materials	Cast Iron, Carbon steel, Bronze, PEEK, Teflon® and Buna-N™
Service Bulletin	SB 1151

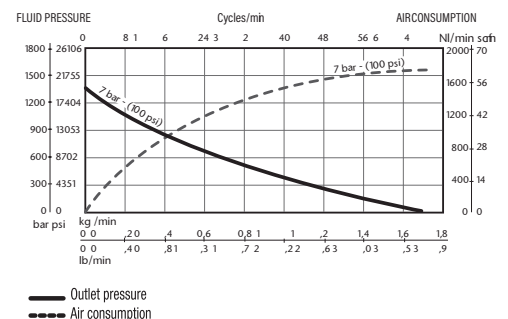
Warning! Do not use any Lion™ 800 series products with flammable fluids.

Verify fluid compatibility with MSDS sheets.

Contact Balcrank for pumping grease higher than NLGI-2 and specific system design performance technical data.

WARNING: BALCRANK 8" 200:1 pumps deliver pressures up to 20,000 psi (1,400 bar) which is in excess of the rated capacity of the accessories normally used with lubrication equipment. These 200:1 pumps can only be used in permanently installed systems where the pump is connected directly to the piping with a proper rating for the application.

MODELS AVAILABLE	DESCRIPTION
1450-014	Lion™ 800 200:1 grease 120 lb drum pump
1450-015	Lion™ 800 200:1 grease 400 lb drum pump



GREASE PUMP COMPONENTS

Drum Cover		4420-013 , 400 lb for Lion™ 800
		4420-016 , 120 lb for Lion™ 800
Follower plate		4440-019 , 400 lb for Lion™ 800
		4440-020 120 lb for Lion™ 800
Cam-lock		4140-058 , Male cam-lock 3" for Lion™ 800



LION™ 800 SERIES REPAIR KITS

PUMP MODELS	KIT NUMBER	DESCRIPTION
LION™ 800 SERIES PUMPS, 1450-014, 1450-015		
1450-014, 1450-015	833856	Lower Seals Kit
1450-014, 1450-015	833857	Lower Valve Kit
1450-014, 1450-015	833858	Upper Valve Kit
1450-014, 1450-015	833859	Air Motor Seals Kit
1450-014, 1450-015	833860	Air Piston Kit



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