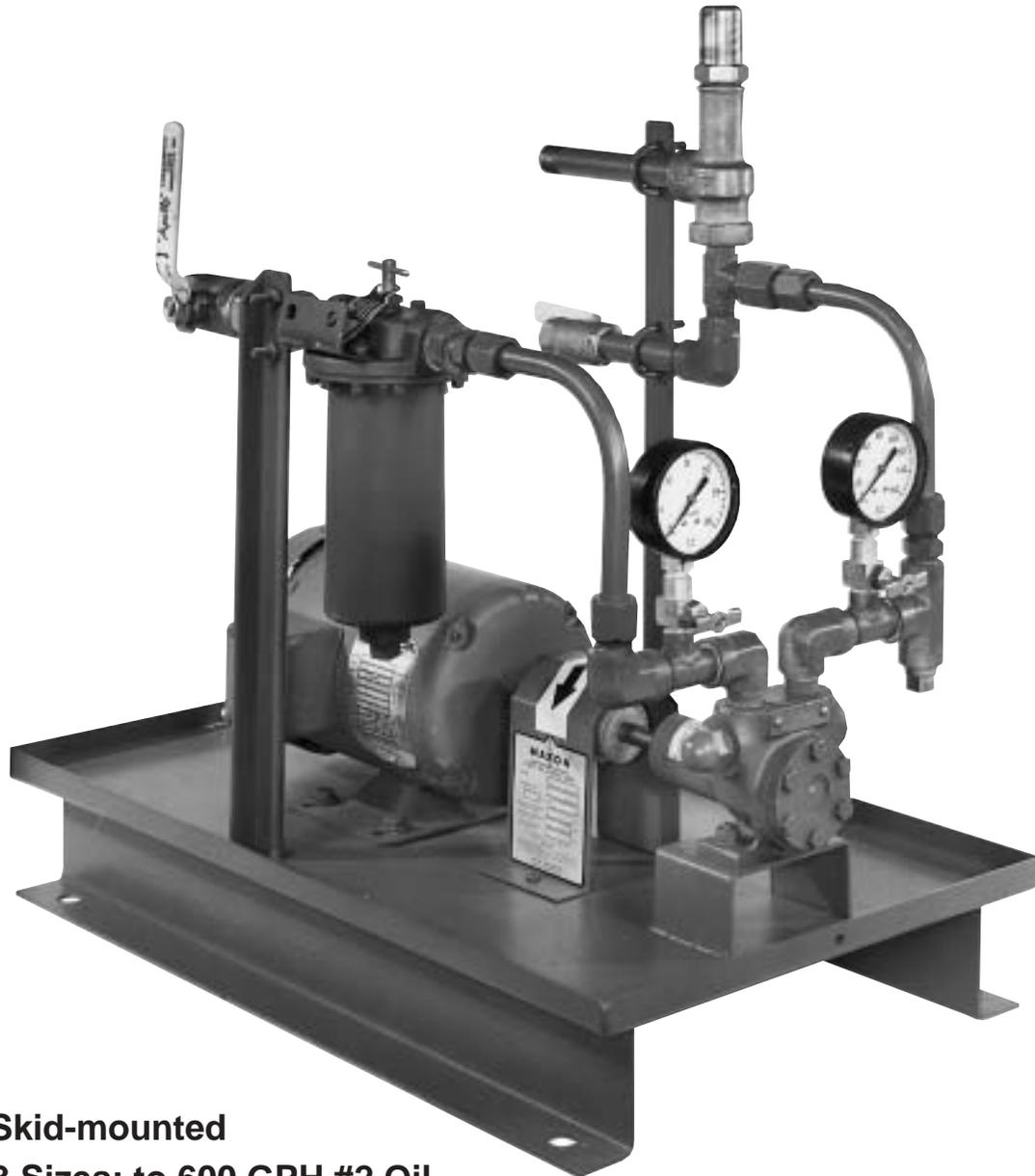


Model "LO" LIGHT OIL SUPPLY UNITS

★ **Prepiped, Pretested and Compact**



- ★ **Skid-mounted**
- ★ **3 Sizes: to 600 GPH #2 Oil**
- ★ **Discharge Pressures to 130 PSIG**
- ★ **For any Distillate Oil of 32 – 100 SSU Viscosity**

These are packaged skid-mounted light oil handling systems ready for field wiring and connection to suction and discharge piping, and designed to supply oil to one or more burner systems at desired pressure.

Design Details

Model "LO" LIGHT OIL SUPPLY UNITS include, in compact skid-mounted prepiped form, the system components necessary to deliver filtered distillate oil from a supply tank to one or more burner systems.

They include a UL-listed self-priming gear-within-a-gear direct driven positive displacement pump [4] complete with mechanical shaft seal and integral safety relief valve.

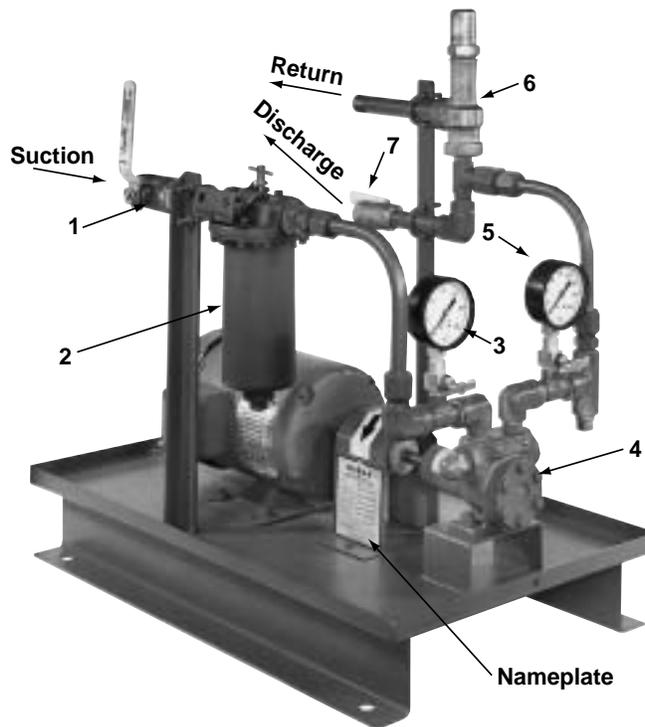
An edgeplate suction filter [2] (70-mesh equivalent) protects the pump while providing for on-line cleaning at the turn of a handle.

Control against chattering or fluctuating discharge pressure is provided by a UL-listed piston type Back Pressure Regulating Valve [6].

LIGHT OIL SUPPLY UNITS include pump suction [3] and discharge [5] pressure gauges for at-a-glance evaluation of performance.

All piping consists of UL-listed flareless steel tube and fittings, securely and compactly mounted on a steel pan with support channels, and pressure-tested prior to shipment.

Components are described in greater detail in the table below. LO-90 and LO-180 units are rated for a maximum of 150 PSIG at 100 SSU viscosity or lower. LO-600 unit is rated at 100 PSIG for viscosities of 38 SSU or less, 150 PSIG for oil viscosities of 38 to 100 SSU.



Components

Item	Description		LO-90	LO-180	LO-600
1	Suction Valve (Ball-Type)	Size	1/2"	3/4"	1-1/4"
		C _v	9.8	18	40
2	Suction Filter (Cuno Edgeplate) 70-mesh equivalent	Size	3/8"	3/4"	1-1/4"
		Type	DS	G	EG
		Spacing	.008"	.008"	.008"
3	Suction Gauge	Range	+30 PSIG to -30" Hg (14.7 PSIG)		
4	Pump and Motor	Viking Number	F432-X	FH432-X	GG195-F
		Gallons/minute	1.5	3	10
		Maximum PSIG	150	150	150
		Port Size	3/8"	1/2"	1"
		Horsepower	1/3	1/2	1
		Frame Number	56	56	56
		Pump/Motor RPM	1800	1800	1800
5	Discharge Gauge	Range	0 - 160 PSIG		
6	Back Pressure Regulating Valve	Size	3/8"	1/2"	1"
		Fulflo Number	SVB-25X1	SVB-35X1	SVB-55X1
7	Discharge Valve (Ball-Type)	Size	3/8"	1/2"	1"
		C _v	5.3	9.8	32