



Model 1849

Fully automatic assembly including pump, 220/440 volt motor, translucent reservoir with spring-loaded follower, 4000 psi (276 bar) safety unloader, adjustable pressure switch and time control. Time control is adjustable for lubrication cycle frequency of 5, 10, 15, 20, 30 or 60 min. Solid state time delay relay (35 sec. to 240 sec.) included for connection of audible or visual alarm to signal lubrication failure due to empty reservoir or broken supply line.

Model:		1849*
Output Min:		18 cu. in. / 295 cc
Reservoir Capacity:		12 lb. / 5.44 kg / 360 cu. in. / 5900 cc
Lube Outlet:		¼" NPTF (F)
Electrical Specifications:	Pump Motor	220/440 VAC, 60 Hz, 3 ph
	Controller	115 VAC, 60 Hz
Typical System Operating Pressure:	Min.	1200 psig / 82 bar
	Max.	3500 psig / 241 bar
Dimensions (HxWxL):		25 ³ / ₈ " x 13" x 19 ¹³ / ₁₆ " / 645 x 330 x 503 mm
Reservoir Fill Method:		81834 Filler Pump or Manual Pump and 645006 Coupler

* See Model 85520 in Systems Control section for controller specifications.



Model 201849

Same as Model 1849 except has 7 lb. reservoir capacity.

Model 1835

Same as Model 1849 except has 115 VAC, 60 Hz motor and controller.

Model 1833

Similar to Model 1849 except: 24 VDC pump motor and controller; metal reservoir with visual level indicator rod; 2.5, 5, 10, 20, 40 and 80 minute cycle frequency adjustment; 60 second fixed on time and alarm relay features. Incorporates pressure switch factory set at 2500 psi (172 bar).

Model:		1833
Output/Min:		18 cu. in. / 295 cc
Reservoir Capacity:		12 lb. / 5.44 kg / 360 cu. in. / 5900 cc
Lube Outlet:		¼" NPTF (F)
Electrical Specifications:	Pump Motor	¼ HP, 24 VD, 10 AMP
	Controller	24 VDC, 5 watts
Typical System Operating Pressure:	Min.	1200 psig / 82 bar
	Max.	3500 psig / 241 bar
Dimensions (HxWxL):		34 ¹ / ₄ " x 11 ¹ / ₂ " x 21 ³ / ₄ " / 870 x 292 x 552 mm
Reservoir Fill Method:		81834 Filler Pump or Manual Pump with 645006 Coupler

Notes:

1. Controller has provision for remote manual lube button and remote lube failure alarm.
2. Enclosure is designed to meet NEMA 3S and 12 specifications.

Manually Operated Oil

Model 1812

Pump has translucent reservoir with filler cap and strainer. Pump base has built-in check/vent valve and an indicator pin to show when system pressure is achieved.



Model:		1812
Output/Stroke:		.160 cu. in. / 2.6 cc
Reservoir Capacity:		4½ pint / 130 cu. in. 2.13 liter / 2130 cc
Lube Outlet:		¼" NPTF (F)
Typical System Operating Pressure:	Min.	750 psig / 52 bar
	Max.	1000 psig / 69 bar
Dimensions (HxWxL):		16 ³ / ₄ " x 7 ¹ / ₈ " x 7 ³ / ₄ " / 425 x 181 x 197 mm

Centro-Matic® Integrated Pumps

All models are air-operated, positive displacement pumps delivering a maximum volume by means of a single stroke of the pump (volumes listed below). Solenoid air valves and adjustable solid-state time controls are integrated into the pump body. All pumps are designed to deliver fluid lubricants to single-line injectors and are filled via a spring-loaded filler cap and internal filter. Acrylic reservoirs are available in several sizes. Pump Models 85432 and 85433 do not include a reservoir, and are designed for remote or bulk-fill oil applications (80 psi/5.4 bar maximum head pressure). Integrated controls feature LED indicators for “Power On”, “Pump On” and “Alarm,” along with a membrane-type, “Manual Lube” switch.



Model 85430

Model 85430 Integrated Fluid Pump

Ratio:	20:1		
Power:	120 VAC		
Typical System Operating Pressure:	Min.	750 psig / 52 bar	
	Max.	1000 psig / 69 bar	
Maximum Output:	2.4 in ³ / 39.3 cm ³		
Reservoir Capacity:	4.5 pints / 2.1 liters		
Dimensions (LxWxH):	24.70" x 6.52" x 18.11" / 627 x 166 x 460 mm		



Model 85432

Model 85431 Integrated Fluid Pump

Same as Model 85430 except 240 VAC.

Model 85432 Integrated Fluid Pump

Same as Model 85430 except without reservoir.

Model 85433 Integrated Fluid Pump

Same as Model 85432 except 240 VAC.



Model 85438

Model 85438 Integrated Fluid Pump

Ratio:	20:1		
Power:	120 VAC		
Typical System Operating Pressure:	Min.	750 psig / 52 bar	
	Max.	1000 psig / 69 bar	
Maximum Output:	0.45 in ³ / 7.4 cm ³		
Reservoir Capacity:	1.25 pints / 0.6 liters		
Dimensions (LxWxH):	5.25" x 7.24" x 12.02" / 133 x 184 x 305 mm		

Model 85440 Integrated Fluid Pump

Ratio:	20:1		
Power:	120 VAC		
Typical System Operating Pressure:	Min.	750 psig / 52 bar	
	Max.	1000 psig / 69 bar	
Maximum Output:	0.45 in ³ / 7.4 cm ³		
Reservoir Capacity:	4.25 pints / 2.0 liters		
Dimensions (LxWxH):	5.25" x 7.24" x 20.75" / 133 x 184 x 527 mm		



Model 85440

Model 85441 Integrated Fluid Pump

Same as Model 85440 except 240 VAC.

Timer and Controller Specifications

On Time	Off Time	Alarm Contacts	Operating Temperature
10 sec or 30 sec	1/2 to 30 min or 30 min to 30 hrs	8 amps @ 250 VAC	-10°F to 150°F -23°C to 65°C

Centro-Matic® Automatic Lubrication Systems

Air-Operated (Single Stroke) Oil Pumps



Model 82885

Model 82885

Pump discharges lubricant on air-powered forward stroke and vents on spring-powered return stroke through built-in check/vent valve. Translucent reservoir is refilled through filler cap with strainer.



Model 83667

Model 83667

Same as Model 82885 except includes larger reservoir.

Model 82570

High-volume pump discharges lubricant on air-powered forward stroke and vents through included check/vent valve on air-powered return stroke. Translucent reservoir is refilled through filler cap with strainer.

Model 82573

Air-operated, single stroke oil pump and timer assembly. Same as Model 82570 except includes Model 84501 solid state timer and 350244 four-way electrical solenoid valve. Power requirements: 120 VAC, 60 Hz; 110 VAC, 50 Hz.



Model 82676

Model 82676

Same as Model 82570 except for use with external oil supply through 1/2" NPT(F) oil inlet (maximum head pressure 80 psi (5.5 bar)).

Model	Metric Equiv.	Lubricant/Air Ratio	Max. Output	Reservoir Capacity	Air Inlet	Lube Outlet	Lubricant Oper. Press.		Dimensions HxWxL	Air Valve Required
							Min.	Max		
82885	85391	20:1	.45 in ³ 7.4 cm ³	1 1/4 pint / .6 liter 36 in ³ / 600cm ³	1/4" NPTF(F)	1/4" NPTF(F)	750 psig 52 bar	1000 psig 69 bar	10 3/8" x 5 1/4" x 6" 263 x 133 x 152 mm	3-way
83667	18 1/2" x 5 1/2" x 6" 470 x 140 x 152mm									
82570	4 1/2 pint / 2 liter 123 in ³ / 2000 cm ³		17 3/4" x 5 3/4" x 18 1/4" 451 x 146 x 464 mm	4-way						
82573	2.4 in ³ 39.3 cm ³		17 3/4" x 5 3/4" x 18 1/4" 451 x 146 x 464 mm							
82676	Remote		18 1/2" x 5 3/4" x 21" 470 x 146 x 533 mm							

** Air consumption @ 100 psi is .15 CFM per stroke.
Check compatibility when using synthetic oils.

Timer Specifications for Model 82573 Only

Cycle Time		On Time	
Min.	Max	Min.	Max.
20 Sec.	1000 psig / 69 bar	750 psig / 52 bar	1 Min. 24 Sec.

Note:

Refer to System Controls section for detailed timer and solenoid-operated air valve specifications.



Model 283167

Includes 2½" air motor driven pump, vent valve assembly, translucent reservoir with filler cap and strainer and 1200 psi (82 bar) safety unloader.

Model:	283167	
Lubricant/Air Ratio:	40:1	
Output/Min. @ 100 PSI Air:	12 cu. in. / 197 cc	
Reservoir Capacity:	15 pint / 7.1 liter, 433 cu. in. / 7100 cc	
Air Inlet:	½" NPTF (F)	
Lube Outlet:	¾" NPTF (F)	
Typical System Operating Pressure:	Min.	750 psig / 52 bar
	Max.	1000 psig / 69 bar
Dimensions (HxWxL):	23¼" x 9" x 16¼" / 591 x 229 x 413 mm	
Air Valve Required:	3-Way**	

** Air consumption @ 100 psi is .15 CFM per stroke.

Note: Check compatibility when using synthetic oils.



Model 1826

Consists of Model 2002 PowerMaster pump, Model 85217 vent valve assembly, Model 81675 drum cover, Model 85209 controller, air and lubricant connecting hoses and 1200 psi (82 bar) safety unloader.



Model:	1826	
Lubricant/Air Ratio:	24:1	
Output @ 75 Cycles/Min:	462 cu. in. / 7571 cc	
Drum Size:	U.S. standard 55-gal. refinery drum (removable head)	
Air Inlet:	¾" NPTF (F)	
Lube Outlet:	¾" NPTF (F)	
Typical System Operating Pressure:	Min.	750 psig / 52 bar
	Max.	1000 psig / 69 bar
Controller Electrical Requirements:	120 V 60 Hz, 110V 50 Hz	

Notes:

1. See System Controls section for detailed controller specifications.
2. See Industrial Pumping catalog for basic pump specification, including air consumption.

Electric-Operated Oil Pump

Model 1848

Fully automatic assembly including pump, 220-/440-volt motor, translucent reservoir, 1200 psi (82 bar) safety unloader, adjustable pressure switch and time control. Time control is adjustable for lubrication cycle frequency of 5, 10, 15, 20, 30 or 60 minutes. Solid state time delay relay (35 sec. to 240 sec.) included for connection of audible or visual alarm to signal lubrication failure due to empty reservoir or broken supply line.



Model:	1848	
Output/Min:	18 cu. in. / 295 cc	
Reservoir Capacity:	14.7 pint / 6.96 liter, 424 cu. in. / 6960cc	
Lube Outlet:	¼" NPTF (F)	
Electrical Specifications:	Pump Motor	220/440 VAC, 60 Hz, 3 ph
	Controller Max	115 VAC, 60 Hz
Typical System Operating Pressure:	Min.	750 psig / 52 bar
	Max.	1000 psig / 69 bar
Dimensions (HxWxL):	25¾" x 13" x 19¼" / 645 x 330 x 503 mm	

Note: See Model 85520, System Controls section for controller specifications.