

Centro-Matic® Automated Lubrication Systems Air-Operated (Single Stroke) Grease Pumps

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 grease to single-line injectors and include a special high-volume refill fitting. Acrylic reservoirs are available in several sizes. Integrated controls feature LED indicators for “Power On”, “Pump On” and “Alarm,” along with a membrane-type, “Manual Lube” switch.



Model 85434

Model 85434 Integrated Grease Pump

Ratio:		31:1
Power:		120 VAC
Typical System Operating Pressure:	Min.	1200 psig / 82 bar
	Max.	3500 psig / 240 bar
Maximum Output:		1.4 in ³ / 18.7 cm ³
Reservoir Capacity:		4.5 lbs. / 1.8 kg
Dimensions (LxWxH):		24.70" x 6.52" x 18.11" / 627 x 166 x 460 mm

Model 85435 Integrated Grease Pump

Same as Model 85434 except 240 VAC.

Model 85436 Integrated Grease Pump

Same as Model 85434 except with a Ratio of 25:1 and Maximum Output of 2.15 in³ (35.2 cm³).



Model 85442

Model 85442 Integrated Grease Pump

Ratio:		20:1
Power:		120 VAC
Typical System Operating Pressure:	Min.	1200 psig / 82 bar
	Max.	3500 psig / 240 bar
Maximum Output:		0.45 in ³ / 7.4 cm ³
Reservoir Capacity:		1 lb. / 0.450 kg
Dimensions (LxWxH):		5.25" x 7.24" x 12.02" / 133 x 184 x 305 mm

Model 85444 Integrated Grease Pump

Ratio:		20:1
Power:		120 VAC
Typical System Operating Pressure:	Min.	1200 psig / 82 bar
	Max.	3500 psig / 240 bar
Maximum Output:		0.45 in ³ / 7.4 cm ³
Reservoir Capacity:		4 lbs. / 1.8 kg
Dimensions (LxWxH):		5.25" x 7.24" x 20.75" / 133 x 184 x 527 mm



Model 85444

Model 85445 Integrated Grease Pump

Same as Model 85444 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® Automated Lubrication Systems

Air-Operated (Single Stroke) Grease Pumps



Model 82886

Model 82886 Pump

Pump discharges lubricant on air-powered forward stroke and vents on springpowered return stroke through built-in check/vent valve. Reservoir is translucent with spring-loaded follower. Includes filler fitting for refilling reservoir with Model 81834 or other manual pump equipped with Model 645006 coupler.

Model 83668

Same as Model 82886 except includes larger reservoir.



Model 83668

Model 82653 Bare Pump

Pump uses air for forward and return stroke but dispenses lubricant on forward stroke only. Return stroke vents lubricant pressure through included check/vent valve. Translucent reservoir has spring-loaded follower. Refill through included filler fitting using Model 81834 or other manual pump equipped with Model 645006 coupler.

Model 83834 High Volume Bare Pump

Same as Model 82653 except 25:1 ratio, 2.15 cu. in (35.2 cc) maximum output.



Model 82653

Model 82655 Pump with Controls

Same as Model 82653 except includes Model 84501 solid state timer and 350244 four way electric solenoid valve.

Model 83800 High Volume Pump with Controls

Same as Model 83834 except includes Model 84501 solid state timer and 350244 four way electric solenoid valve.

Model	Lubricant/ Air Ratio	Max. Output	Reservoir Capacity	Reservoir Temp. Range	Air Inlet	Lube Outlet	Lubricant Oper. Pressure		Dimensions HxWxL	Air Valve Required
							Min.	Max.		
82886	20:1	.45 in ³ / 7.4 cm ³	1 lb/.45 kg 30 in ³ /492 cm ³	0°F to 150°F / -18°C to 65°C	¼" NPTF(F)	¼" NPTF(F)	1200 psig / 82 bar	3500 psig / 240 bar	10⅝"x5¼"x6 / 263x133x152mm	3-way
83668									18½"x5¼"x6 / 470x133x152mm	
82653	31:1	1.4 in ³ / 22.9 cm ³	4 lb/1.81 kg 120 in ³ / 1967 cm ³						18½"x5¼"x21 / 470x146x533mm	4-way
82655										
83834	25:1	2.15 in ³ / 35.2 cm ³								
83800										

Note:

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

Timer Specifications

Cycle Time		On Time		Power Requirements	Ambient Operating Temp. Range
Min	Max	Min	Max		
20 Sec.	24 Hr.	10 Sec.	1 Min. 24 Sec.	120 VAC, 60 hz 110 VAC, 50 hz	10°F to +150°F -23°C +65°C

Note:

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