

Centro-Matic® Automated Lubrication Systems

Air-Operated (Single Stroke) Oil 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 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 Integrated Fluid Pump



Model 85438

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



Model 85440

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 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® Automated Lubrication Systems Air-Operated (Single Stroke) Oil Pumps



Model 82885



Model 83667



Model 82676

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

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

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 "x5 ¹ / ₄ "x6"	3-way
83667	18 ¹ / ₂ "x5 ¹ / ₂ "x6"			263x133x152mm						
82570	4 1/2 pint / 2 liter 123 in ³ / 2000 cm ³		17 ³ / ₄ "x5 ³ / ₄ "x18 ¹ / ₄ "	451x146x464mm					4-way	
82573	2.4 in ³ 39.3 cm ³		17 ³ / ₄ "x5 ³ / ₄ "x18 ¹ / ₄ "	451x146x464mm						
82676	Remote		18 ¹ / ₂ "x5 ³ / ₄ "x21"	470x146x533mm						

** 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.