



Pump 203

The 203 centralized lubrication pump is a powerful and robust compact multi-line pump that can drive up to 3 elements and is used in progressive (Quicklub or Modular Lube) automated lubrication systems. They are perfect for mobile applications, small and medium sized machinery and general industries. Versatile, compact and economical, these pumps can be enhanced with low level control and printed circuit board that allow for controlling the lubrication cycles.

The family of 203 pumps includes 12 and 24 VDC and VAC pumps that automatically adjust to supply voltages from 94 – 265 VAC. They are available with 1, 2 or 3 elements in 5, 6 or 7 mm or with an adjustable output element. Reservoir sizes are 2, 4, 8 or 15 liter. Refer to the pump selection guide for a complete listing of available pump configurations.

Popular Models

Part No.	Model	Power	Reservoir Capacity	Grease or Oil	Low-level	PCB
94012 C	P203-2XN-1K6-12-1A7.70-V20-A+SV	12 VDC	2	grease	no	yes
94024 C	P203-2XN-1K6-24-1A7.70-V20-A+SV	24 VDC	2	grease	no	yes
94212	P203-2XN-1K6-12-1A1.51-A+SV	12 VDC	2	grease	no	no
94224	P203-2XN-1K6-24-1A1.51-A+SV	24 VDC	2	grease	no	no
94412 C	P203-4XNBO-1K6-12-1A7.70-V20-A+SV	12 VDC	4	grease	no	yes
94424 C	P203-4XNBO-1K6-24-1A7.70-V20-A+SV	24 VDC	4	grease	no	yes
94812 C	P203-8XNBO-1K6-12-1A7.70-V20-A+SV	12 VDC	8	grease	no	yes
94824 C	P203-8XNBO-1K6-24-1A7.70-V20-A+SV	24 VDC	8	grease	no	yes
94222 C	P203-2XL-1K6-24-2A6.15M13-A-SV	24 VDC	2	grease	yes	yes
94422 C	P203-4XLBO-1K6-24-2A6.15M13-A+SV	24 VDC	4	grease	yes	yes
94822 C	P203-8XLBO-1K6-24-2A6.15M13-A+SV	24 VDC	8	grease	yes	yes
644-37426-1	*P203-2XN-1K6-24-2A1.10-V10	24 VDC	2	grease	no	yes
644-40716-2	*P203-2XNBO-1K6-AC-1A1.01-V10	AC	2	grease	no	yes
644-40717-5	*P203-2XNBO-1K6-AC-1A1.01	AC	2	grease	no	no
644-40583-3	*P203-2YLBO-1K6-24-1A1.01	24 VDC	2	oil	yes	no
644-40718-7	*P203-4XNBO-1K6-AC-1A1.01	AC	4	grease	no	no
644-40719-5	*P203-4XNBO-1K6-AC-1A1.01-V10	AC	4	grease	no	yes
644-40719-6	*P203-4YLBO-1K6-AC-1A1.01-V10	AC	4	oil	yes	yes
644-40718-1	*P203-4XLBO-1K6-AC-2A1.01	AC	4	grease	yes	no
644-40718-8	*P203-4YLBO-1K6-AC-1A1.01	AC	4	oil	yes	no
644-40718-5	*P203-4XLBO-1K7-AC-2A1.01	AC	4	grease	yes	no
644-40721-5	*P203-8XLBO-1K6-AC-2A1.01	AC	8	grease	yes	no
644-40762-2	*P203-8XLBO-1K6-AC-2A1.01-V10	AC	8	grease	yes	yes
644-40645-2	*P203-8YLBO-1K6-24-1A1.10	24 VDC	8	oil	yes	no
644-40550-4	*P203-8XLBO-1K7-24-2A1.01	24 VDC	8	grease	yes	no
644-40645-3	*P203-8XLBO-1K7-24-2A1.10	24 VDC	8	grease	yes	no

*These pumps do not include a pressure relief valve which must be ordered separately.

Dimensions

Size of Reservoir	Height	Width	Depth
2 l, standard	367 mm (14.4 in)	205 mm (8.1 in)	224 mm (8.8 in)
2 l, filling from top	403 mm (15.8 in)	205 mm (8.1 in)	224 mm (8.8 in)
2 l, flat	287 mm (11.3 in)	232 mm (9.1 in)	250 mm (9.8 in)
4 l	395 mm (15.6 in)	232 mm (9.1 in)	250 mm (9.8 in)
8 l	495 mm (19.5 in)	232 mm (9.1 in)	250 mm (9.8 in)
15 l stirring paddle	705 mm (19.5 in)	216 mm (9.1 in)	243 mm (9.8 in)
15 l follower plate	743 mm (19.5 in)	216 mm (9.1 in)	243 mm (9.8 in)

Accessoires

Part No.	Description
600-26875-2	pump element with assy. piston \varnothing 5 mm (K5)
600-26876-2	pump element with assy. piston \varnothing 6 mm (K6)
600-26877-2	pump element with assy. piston \varnothing 7 mm (K7)
600-28750-1	pump element with assy. piston for chisel paste (C7)
600-29110-1	pump element with assy. piston \varnothing 7 mm (S7 = grease based on silicone oil)
600-29185-1	pump element with assy. piston \varnothing 7 mm (B7 = bypass element)
655-28716-1	adjustable pump element (KR)
624-28894-1	pressure relief valve SVTE-350-1/4 for 6 mm tube, 350 bar (5076 psi)
624-28892-1	pressure relief valve SVTE-270-1/4 for 6 mm tube, 270 bar (3916 psi)
624-28859-1	pressure relief valve SVTSV-270-1/4 with grease fitting for manual servicing, 1/8" NPT female supply line connection, 270 bar (3916 psi)
624-28891-1	pressure relief valve SVTE-200-1/4, for 6 mm tube, 200 bar (2900 psi)
624-28931-1	pressure relief valve with return to reservoir SVTSV-350-1/4 for 6 mm tube, 350 bar (5076 psi)
226-14105-5	required extension for pressure relief valve for 2 l flat, 4 l and 8 l reservoirs
244-14161-1	quick fill pump (no connecting parts) FP-500
638-37549-1	quick fill pump with straight connection fitting for 2 l reservoir
638-37548-1	quick fill pump with 90° connection fitting for 2 l reservoir
638-37561-1	quick fill pump with 90° connection fitting for 2 l flat, 4 l and 8 l reservoirs
233-13124-8	protective plug for quick fill pumps
233-13090-9	protective cap for quick fill pump
638-37549-2	quick fill pump and straight adapter for 2 l flat, 4 l and 8 l reservoirs
538-36763-5	straight adapter for quick fill pump for 2 l flat, 4 l and 8 l reservoirs
538-36763-4	90° adapter for quick fill pump for 2 l flat, 4 l and 8 l reservoirs

203 Pumps



Technical Data

operating pressure	350 bar (5076 psi)				
reservoir	2, 4, 8 or 15 liters - clear plastic / (122, 244, 488 in ³) / 4, 8, 16 Lbs.				
output per element / min.	K5 mm	K6 mm	K7 mm	C7 mm (for chisel paste)	KR (adjustable)
	approx. 2 cm ³ /min (0.122 in ³)	approx. 2.8 cm ³ /min (0.17 in ³)	approx. 4 cm ³ /min (0.244 in ³)	approx. 4 cm ³ /min (0.244 in ³)	approx. 0.7 to 3 cm ³ /min (0.043 to 0.183 in ³)
operating voltage	24 and 12 VDC / 95 to 265 VAC				
operating temperature	-25 to 75°C / -13 to 167°F				
lubricants	up to NGLI 2 / oil of at least 40 mm ² /s				
class of protection	IP6K 9K acc. to DIN 40050 T9				
number of outlets	1, 2 or 3				
outlet thread	G 1/4 female (BSPP)				

223 Pumps without and 233 Pumps with Data Logger QuickData

The 233 centralized lubrication pump is a powerful and robust compact multi-line pump that can drive up to 3 elements and is used in progressive (Quicklub or Modular Lube) automated lubrication systems. The 233 is ideal for mobile applications, rental machines and construction machines. Versatile, compact and economical, this pump is enhanced with low-level control, printed circuit board MDF01 with attached data logger module and a keypad with display.

QuickData Displays

- Current status and operating data
- Malfunctions of the lubrication system with the time of occurrence
- Remediying of the malfunction with date, time and duration of malfunction
- Low-level signal of reservoir and regular refilling
- Modifications in the pause time programming
- Number of automatically and manually triggered lube cycles as well as the corresponding lubricant consumption
- Power supply interruptions

All data can be read out by means of a laptop or p.d.a. via an integrated or separate IR interface (IrDA). All indications enable the users to draw their conclusions regarding the condition, function, reliability, usability and duration of service of the machine or the device. All information can be analyzed and documented and is then available as a written protocol.



Pump 233

The family of 223/233 pumps includes 12 and 24 VDC pumps. They are available with 1, 2 or 3 elements in 5, 6 or 7 mm or with an adjustable output element. Reservoir sizes are 2, 4 or 8 liters. Refer to the pump identification code for a complete listing of available pump configurations.