



HCH SERIES HYDRAULIC LUBRICATION GREASE PUMP STATION



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HCH Series Hydraulic Lubrication Pump – Operational Overview

The HCH series hydraulic lubrication pump is a double-acting piston pump driven by hydraulic pressure. It utilizes a single-line parallel grease metering device to distribute lubricant during both the upward and downward piston strokes.

Designed to operate with a cyclic timing control system, it is commonly applied in single-line centralized lubrication systems.

When lubrication is required, the solenoid valve positioned ahead of the hydraulic motor is energized, initiating pump operation. As grease injectors complete filling and the system pressure reaches its preset limit, the pressure switch sends a signal to the control unit. The control unit then de-energizes the solenoid valve, releasing system pressure and allowing the system to reset and prepare for the next lubrication cycle.



PART NUMBER PG- 561-109821-01



Technical Specifications — HCH Series Hydraulic Lubrication Pump

Parameter	Specification
Maximum System Pressure	35 MPa
Reservoir Capacity Options	18 kg, 27 kg, 41 kg, 54 kg, 180 kg
Operating Voltage	24 VDC
Pressure Ratio	15:1
Hydraulic Grease Working Pressure	20 bar – 205 bar
Hydraulic Grease Flow Rate	0.25 – 3.0 L/min
Reduction Ratio Options	8:1, 20:1, 40:1
Displacement per Cycle	8.8 cc
Grease Outlet Thread	1/4" NPTF internal thread (pump tube) 3/4" NPTF internal thread (lubrication pump body)
Operating Temperature	Up to 93°C
Protection Class	IP65
Applicable Lubricant	Up to NLGI Grade 2



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PUMP STATION ACCESSORIES



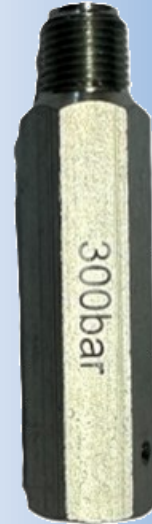
SAFETY UNLOADER

PART NUMBER: PG-080210535300



PRESSURE GAUGE

PART NUMBER: PG-170310786700



HYDRAULIC PRESSURE RELIEF VALVE

PART NUMBER: PG-405-105242-



OIL LEVEL SENSOR

PART NUMBER: PG-171817012900



PRESSURE SWITCH

PART NUMBER: PG-170211023100



OUTLET CHECK VALVE

PART NUMBER: PG-110110534200

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