



# 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)<br>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-405-105242-00**



**OIL LEVEL SENSOR**

**PART NUMBER: PG-171817012900**



**PRESSURE SWITCH**

**PART NUMBER: PG-170211023100**



**OUTLET CHECK VALVE**

**PART NUMBER: PG-110110534200**

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