Accumulator Charging Unit SLE 80

Design and Function

The accumulator charging unit SLE 80 is a compact function element, which fulfills in an optimum way the requirements of the modern accumulator charging technique.

With smooth, hydraulically controlled switching the system pressure is monitored and held to the chosen pressure level. Low power losses allow an energy optimised system and simultaneously provides, at low driving power, the possibility of high peak capacity.

All functions and safety relevant components are integrated in the unit. The compact block assembly results in reduced pipe work.

As a standard component the SLE 80 operates for pump flow rates up to 400 l/min. Additional optional modular components are available.
**Technical Data**

**General**
- Mounting: 4x M10x180 DIN 912
- Connection of ports: mounting plate
- Mounting position: mountable in any position
- Ambient temperature: -25°C to +50°C

**Hydraulic**
- Pump flow rate: up to 400 l/min
- Operating pressure max.: 315 bar
- Hydraulic oil temperature: -5°C to +70°C
- Viscosity range: 10 to 300 mm²/s
- Pressure steps: 20-45 bar; 45-80 bar; 80-120 bar; 120-175 bar; 175-250 bar; 250-315 bar
- Switching hysteresis: 5%; 10%; 15%; 20%

**Electric**
- System of protection: IP65, DIN 40050

**Specifications**
- Integration of all function and safety relevant components
- Compact design, simple start-up, handling without problems
- High availability, robust and proven function components
- Optimized power consumption results in reduced heat emission to the hydraulic system

**Options**
- Electrical accumulator discharge / unpressurized electric motor start-up
- Pressure switch for additional system pressure monitoring

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**Characteristic curve, by-pass pressure P-T, for hydraulic oil 35 mm²/s, 50°C**

![Graph showing characteristic curve](image-url)
Accumulator charging main block
2 Check valve
3 Safety valve (type examination)
4 Accumulator charging valve
5 Pressure gauge
6 Accumulator discharging, manually
7 Option: electric accumulator discharging
8 Option: pressure switch for system pressure
Dimensions and illustrations without obligation. Subject to modifications.
Type Code

SLE80.0-080/210-S2-700-1/3 L 24/0

voltage / frequency
24/0 = 24V DC
220/5 = 230V/50Hz

L = NG 4, ISO 4401
E = NG 6, ISO 4401

0 = without option
3 = pressure switch VTHL
4 = pressure switch PN
5 = pressure switch PK

0 = without electric discharging
1 = with electric discharging

design code

accumulator connection size
S2 = G2 outside
00 = without accumulator

pressure range safety valve

max. pressure accumulator charging valve

switching hysteresis
0 = 5%; 1 = 10%
2 = 15%; 3 = 20%

accumulator charging unit SLE 80

material number

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