

## Accumulator Charging Valve Kit / Block Mounting



### Design and Function:

Accumulator charging valves are piloted piston valves. The valve controls the hydraulic accumulator charging process, for systems with fixed displacement pumps.

After the accumulator has been charged and system pressure is reached, the valve then switches the pump flow into bypass mode (P to T). When the pressure falls because functions are demanding flow, the valve will sense the difference and will close the bypass to allow the accumulator to recharge. Pressure differences available include: 5%, 10%, 15% and 20%.

The accumulator charging valve for block mounting can be supplied as kit for the direct mounting on manifolds. Manufacturing dimensions for the hole cavity are included on this data sheet.



## Technical Data

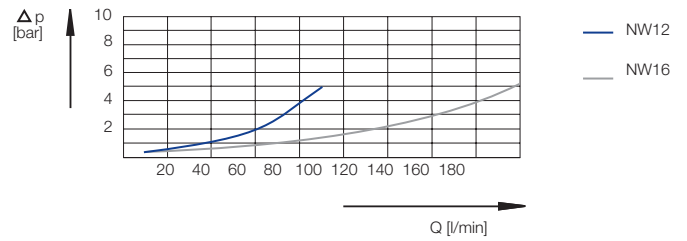
### General

|                     |                            |
|---------------------|----------------------------|
| Symbol              | please see symbol diagram  |
| Type of valve       | piloted piston valve       |
| Operation           | electric                   |
| Mounting            | 4 x M6 x 30 DIN912         |
| Connection of ports | block mounting             |
| Mounting positions  | mountable in any positions |
| Ambient temperature | -5 to +50 °C               |
| Mass valve          | 0.8kg                      |

### Hydraulic

|                           |  |
|---------------------------|--|
| Operation pressure range  | 20-60; 45-80; 80-120;120-175;175-250;250-315 bar |
| Switch hysteresis         | 5; 10; 15 oder 20 %                              |
| Hydraulic oil temperature | -5 to +70 °C                                     |
| Viscosity range           | 10 to 300 mm <sup>2</sup> /s                     |
| Max rate of flow          | 90 NW12; 180 NW16 l/min                          |

## Characterstic curve

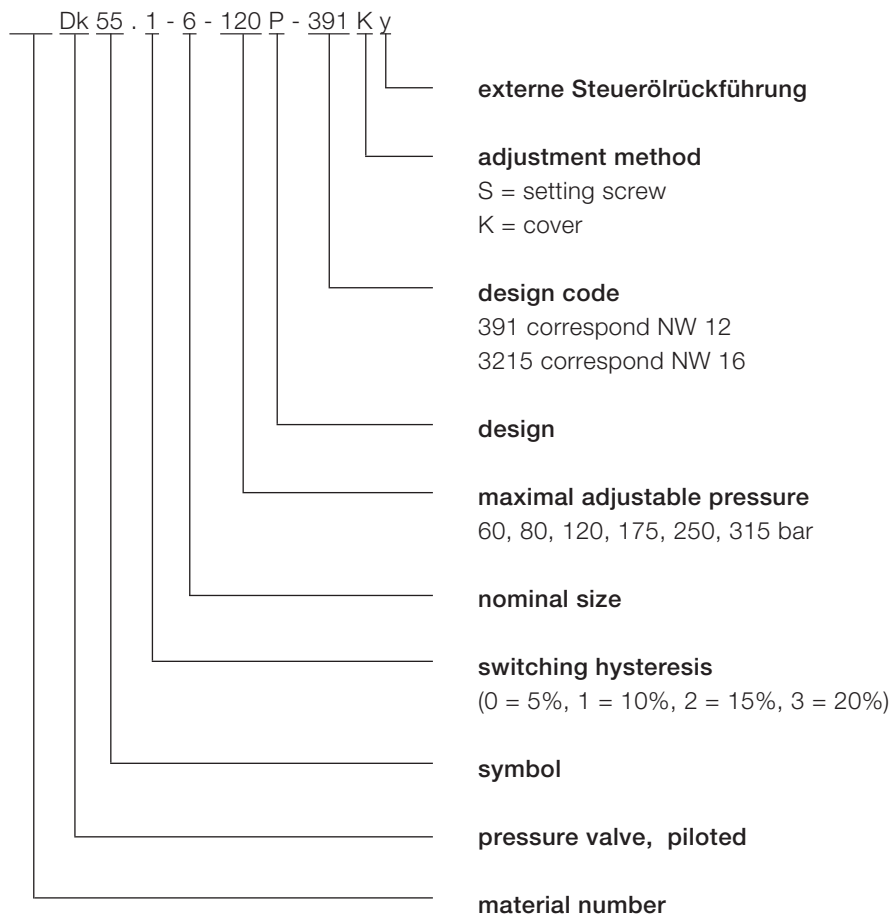


hydraulic oil 35 mm<sup>2</sup>/s, 50°C



## Type Code

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