

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.

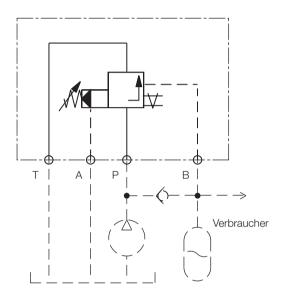
After the accumulator has been charged and system pressure is reached, the valve then switches the pump flow into bypass mode (P to T). When the pressure falls because functions are demanding flow, the valve will sense the difference and will close the bypass to allow the accumulator to recharge. Pressure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

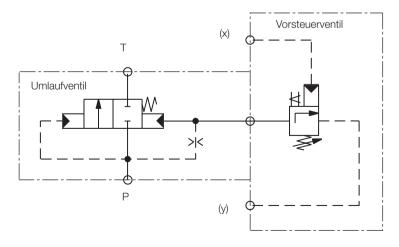
Options

- optimised power economy and reduced heat emission from the hydraulic system
- energy saving due to low bypass pressure
- fixed switching hysteresis, simple start up procedure
- soft and exact switching over due to pressure pre-relieve
- robust und reliable through simple design

Symbol



Symbol, detailed



- electrical discharge (data sheet 344)
- complete accumulator charging units (data sheet 711)

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-

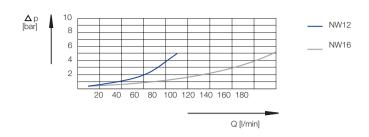
175;175-250;250-315 bar

Switch hysteresis 5; 10; 15 oder 20 %

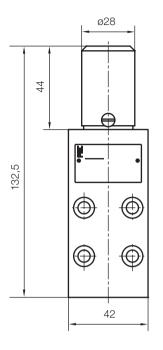
 $\begin{tabular}{ll} Hydraulic oil temperature & -5 to +70 °C \\ Viskosity range & 10 to 300 mm²/s \\ \end{tabular}$

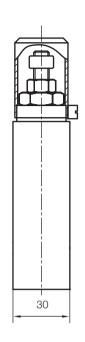
Max rate of flow 90 NW12; 180 NW16 I/min

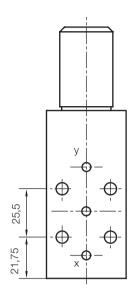
Charactersitic curve



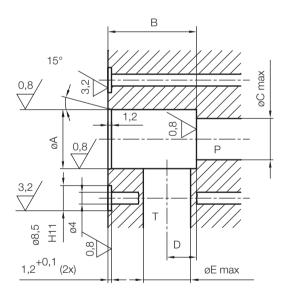
hydraulic oil 35 mm2/s, 50°C

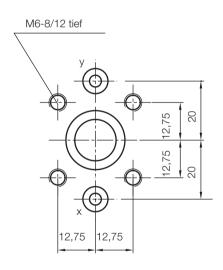




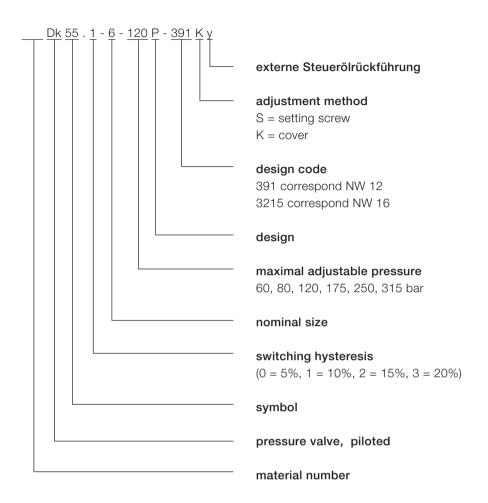


Dimension Drawing Hole Cavity, Bypass Valve





	Α	В	С	D	Е
NW12	20H7	30+0,1	14	10	16
NW16	26H7	40+0,1	16	12	18



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