

### Accumulator charging valve CETOP NG6 150 - 315 bar B



#### Functional description:

The accumulator charging valve 22031 is a pilot operated pressure shut valve with continuously adjustable switching difference. It consists mainly of the pilot and the main stage of the pilot, the check valve and the housing with the main control piston.

The pump flow in P is passed through port B to the memory of the system. If the pressure on consumers connection B on the set upper switching pressure, the pilot valve opens and control fluid can flow from port A. The check valve closes the connection from port B to port P and the pump flow is switched to pressure-free circulation.

The pump charges through the check valve in the hydraulic system (P to B). The pressure works in the channel B on the control line to the pilot. At the same time as the pressure in port P the power acts on the spring-loaded side of the main piston. Once the set upper cut-off point is reached, the pilot control the connection of the spring-loaded side of the main piston opens the control line and thus from A port to the tank. Because of this connection there is a pressure gradient on the main piston. The main piston is opening the connection between P and T. The check valve closes the connection between B and P and the pre-control is held by the consumer pressure in B in the open position.

If the consumer pressure dropped in B compared to the cut-off according to the set of adjusting the lower pressure value, the pilot goes back to its original position. This increased on the spring-loaded side of the main piston a pressure. This closes the connection P to T by the spring and the pump charges directly through the check valve from P to B.

#### Applicability:

In all accumulator charging systems the constant delivery pump is switched off by means of an accumulator charging valve with two pressure settings for Pmin and Pmax.

#### Technical data:

Max. operating pressure [bar]: P; B; T: 315

Max. backflow pressure [bar]: A: 2

Nominal flow rate [l/min]: 40

Overlap:

Operating medium: Hydrauliköl nach DIN 51524

Viscosity [mm²/s]: 10...200

Operating temperature [°C]: -20...+70

Torque [Nm]: 6; 4 Stück M5 x 55 DIN 912-10.9

Ports: NG06-ISO 4401

Weight [kg]: 2,148

Dimensions [mm]: 207,5 x 60 x 45

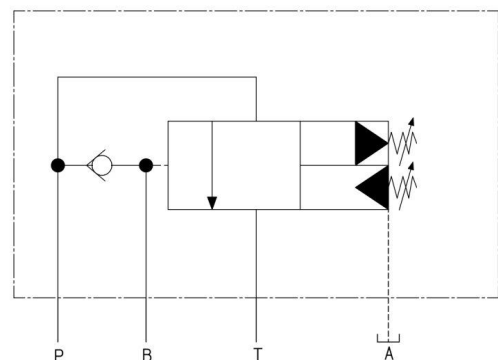
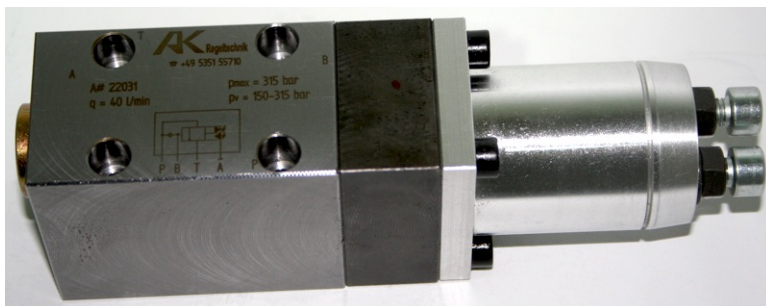
#### Equivalent to:

Bosch 0 811 106 034

#### Other specifications:

22033 = 25 bis 110 bar (Bosch 0 811 106 032)

22032 = 60 bis 210 bar (Bosch 0 811 106 033)





### Accumulator charging valve CETOP NG6 60 - 210 bar B



#### Functional description:

The accumulator charging valve 22032 is a pilot operated pressure shut valve with continuously adjustable switching difference. It consists mainly of the pilot and the main stage of the pilot, the check valve and the housing with the main control piston.

The pump flow in P is passed through port B to the memory of the system. If the pressure on consumers connection B on the set upper switching pressure, the pilot valve opens and control fluid can flow from port A. The check valve closes the connection from port B to port P and the pump flow is switched to pressure-free circulation.

The pump charges through the check valve in the hydraulic system (P to B). The pressure works in the channel B on the control line to the pilot. At the same time as the pressure in port P the power acts on the spring-loaded side of the main piston. Once the set upper cut-off point is reached, the pilot control the connection of the spring-loaded side of the main piston opens the control line and thus from A port to the tank. Because of this connection there is a pressure gradient on the main piston. The main piston is opening the connection between P and T. The check valve closes the connection between B and P and the pre-control is held by the consumer pressure in B in the open position.

If the consumer pressure dropped in B compared to the cut-off according to the set of adjusting the lower pressure value, the pilot goes back to its original position. This increased on the spring-loaded side of the main piston a pressure. This closes the connection P to T by the spring and the pump charges directly through the check valve from P to B.

#### Applicability:

In all accumulator charging systems the constant delivery pump is switched off by means of an accumulator charging valve with two pressure settings for Pmin and Pmax.

#### Technical data:

Max. operating pressure [bar]: P; B; T: 210

Max. backflow pressure [bar]: A: 2

Nominal flow rate [l/min]: 40

Overlap:

Operating medium: Hydrauliköl nach DIN 51524

Viscosity [mm²/s]: 10...200

Operating temperature [°C]: -20...+70

Torque [Nm]: 6; 4 Stück M5 x 55 DIN 912-10.9

Ports: NG06-ISO 4401

Weight [kg]: 2,145

Dimensions [mm]: 195 x 60 x 45

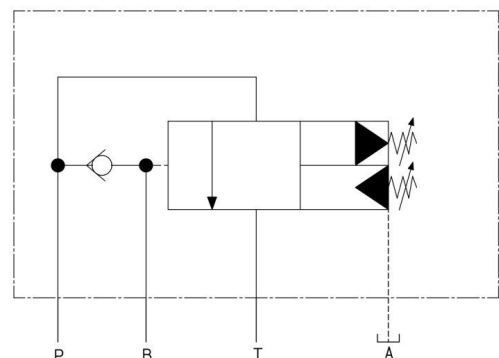
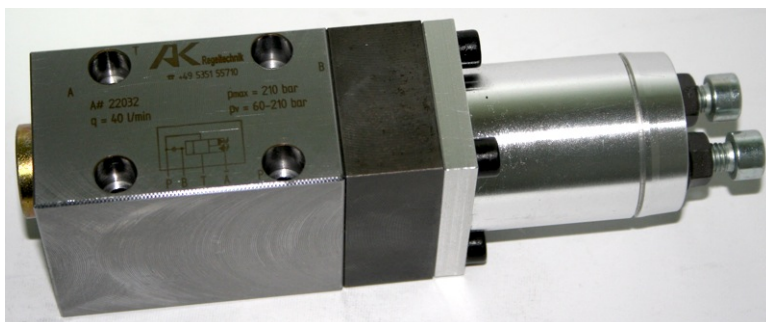
#### Equivalent to:

Bosch 0 811 106 033

#### Other specifications:

22033 = 25 bis 110 bar (Bosch 0 811 106 032)

22031 = 150 bis 315 bar (Bosch 0 811 106 034)





### Accumulator charging valve CETOP NG6 25 - 110 bar B



#### Functional description:

The accumulator charging valve 22033 is a pilot operated pressure shut valve with continuously adjustable switching difference. It consists mainly of the pilot and the main stage of the pilot, the check valve and the housing with the main control piston.

The pump flow in P is passed through port B to the memory of the system. If the pressure on consumers connection B on the set upper switching pressure, the pilot valve opens and control fluid can flow from port A. The check valve closes the connection from port B to port P and the pump flow is switched to pressure-free circulation.

The pump charges through the check valve in the hydraulic system (P to B). The pressure works in the channel B on the control line to the pilot. At the same time as the pressure in port P the power acts on the spring-loaded side of the main piston. Once the set upper cut-off point is reached, the pilot control the connection of the spring-loaded side of the main piston opens the control line and thus from A port to the tank. Because of this connection there is a pressure gradient on the main piston. The main piston is opening the connection between P and T. The check valve closes the connection between B and P and the pre-control is held by the consumer pressure in B in the open position.

If the consumer pressure dropped in B compared to the cut-off according to the set of adjusting the lower pressure value, the pilot goes back to its original position. This increased on the spring-loaded side of the main piston a pressure. This closes the connection P to T by the spring and the pump charges directly through the check valve from P to B.

#### Applicability:

In all accumulator charging systems the constant delivery pump is switched off by means of an accumulator charging valve with two pressure settings for Pmin and Pmax.

#### Technical data:

Max. operating pressure [bar]: P; B; T: 110

Max. backflow pressure [bar]: A: 2

Nominal flow rate [l/min]: 40

Overlap:

Operating medium: Hydrauliköl nach DIN 51524

Viscosity [mm²/s]: 10...200

Operating temperature [°C]: -20...+70

Torque [Nm]: 6; 4 Stück M5 x 55 DIN 912-10.9

Ports: NG06-ISO 4401

Weight [kg]: 2,150

Dimensions [mm]: 195 x 60 x 45

#### Equivalent to:

Bosch 0 811 106 032

#### Other specifications:

22032 = 60 bis 210 bar (Bosch 0 811 106 033)

22031 = 150 bis 315 bar (Bosch 0 811 106 034)

