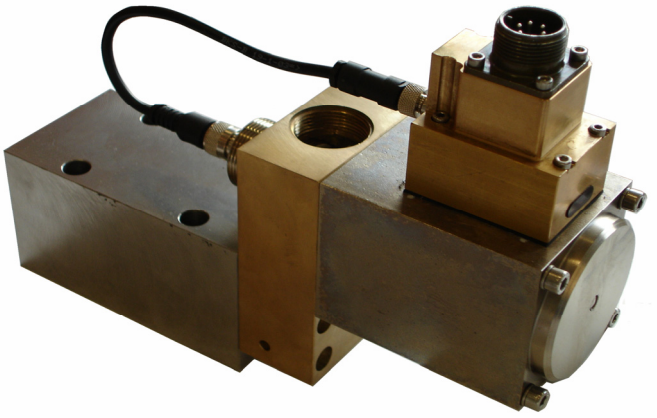


2/2 dir. contr. proportional valve in seat construction NW 10 for HFA and water

max. 320 bar for plate mounting

- Regulation electronic is inserted in the magnet no further control card necessary
- Direct-controlled seat valve operated by proportional magnet
- Actuation magnet protected against dirt and humidity
- Hermetically sealed off in blocked position No internal leakages
- Wear parts are easy to access and fast to replace

Application

Direct-controlled 2 way proportional seat valve for the constant control of Group HFA and clear water pressure media

Technical data

Hydraulical

Type
Direct-controlled ball seat valve

Sealing
Ball on seat

Connections
Plate mounting with O ring seal

Medium
HFA, clear water

Operating temperature
+5°C to +55°C

Seals
NBR, other sealing materials available

Mounted pos.
Any

Flow direction
only from "P" to "A"

Operation
Proportional magnet without position control

Filtering
< 25 µm

Flow rate (^p= 5 bar)
max. 15l/min for NW6
max. 3.5l/min for NW3

Materials
Valve made of corrosion resistant materials

Electrical

Type
Pneumatic switching

Protection class
IP 54

Conn. type
Connector DIN 34650

Ambient temperature
max. + 35°C

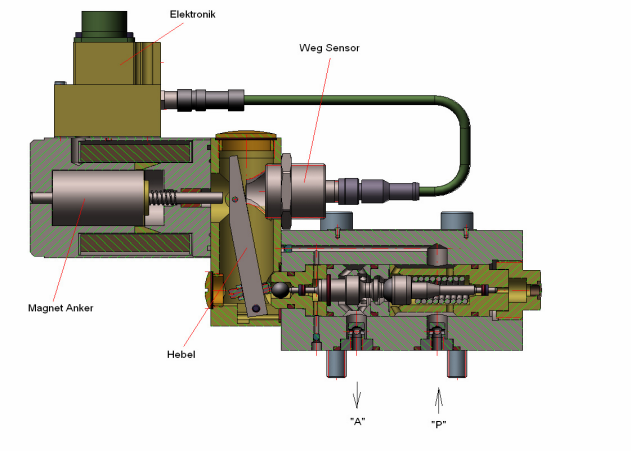
Operating voltage
24 V DC

Max. nom. current
0.54 A for NW 3
1.5 A for NW 6

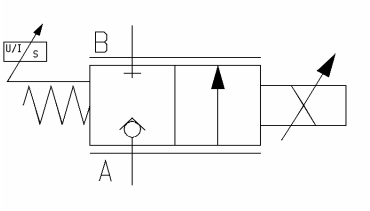
Power consumption
13 W for NW 3
36 W for NW 6

Relative switch-on period
100% ED

Function screen

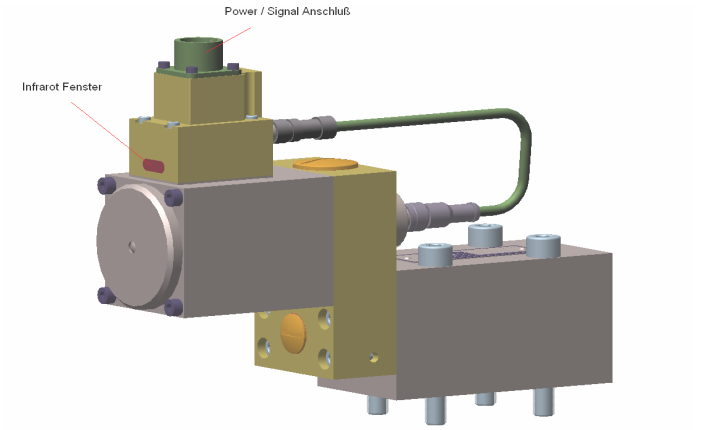


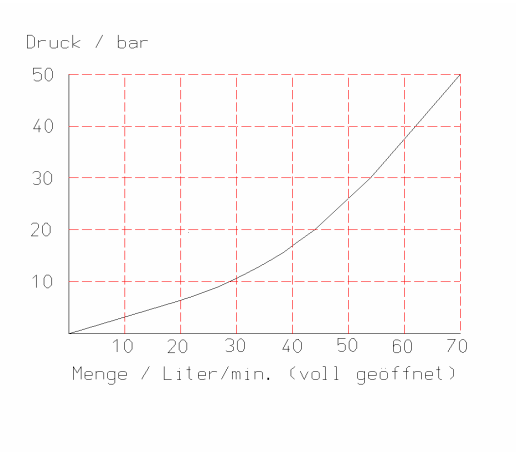
Circuit diagram



Description of function

By using a desired value between 0 - 10 Volt or 0-20 mA a variance control is made from a proportional magnet between the way sensor and the desired value. The result is handelt by the inserted electronic control.
The desired value will be reached by approximation of the lever to the actual value sensor.
By this kind of way monitoring it is possible to assign any opening position to the valve and in case of that it is possible to control the volume flow.
The sensor alignment is made automatically by the inserted electronics.
The parameterization of the valve is realized by using an infrared interface which is controled by an external Windows based software.
Area of application: As main valve, pressure and flow rate regulation, as pilot valve, pressure, speed and depth control in connection with the appropriate main valve.





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