

## 2/2 dir. contr. proportional valve in seat construction NW3 and NW6 for HFA and water

max. 320 bar for plate mounting

- 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

### Function:

A constant electric input signal is converted into a proportional valve opening stroke by means of a proportional magnet. The volume flow is determined by the opening cross-section and the pressure difference on the valve. In their standard version, valves are closed when de-energized.

### Technical data:

#### Hydraulic:

##### 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

##### Operating pressure:

max. 320 bar

##### Seals:

NBR, other sealing materials available on request

##### Mounted pos.:

Any

##### Flow direction:

only from "P" to "A"

##### Operation:

Proportional magnet without position control

##### Filtering:

< 25 µm

##### Flow rate:

max. 15l/min for NW6 ( $\Delta p = 5$  bar) 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:

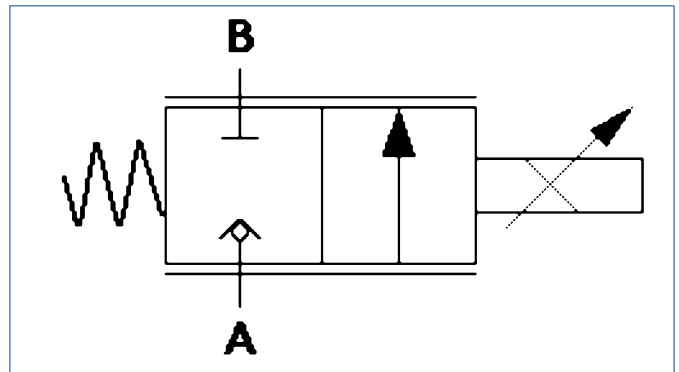
13 W for NW 3

36 W for NW 6

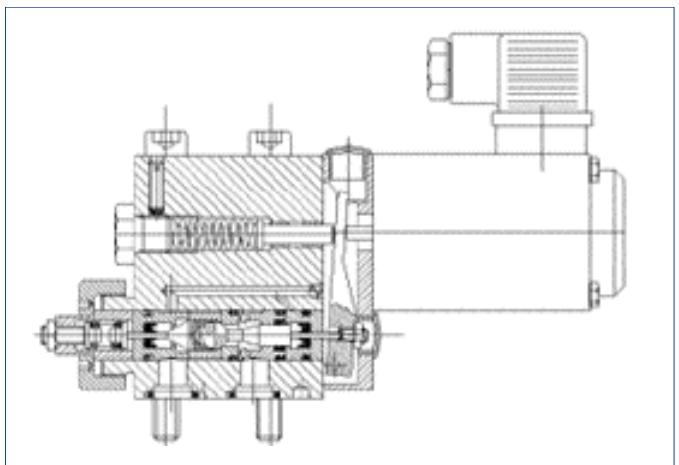
##### Relative switch-on period:

100% ED

Circuit diagram:



Function screen:



Dim. diagram:  
(Values in brackets NE 3)

