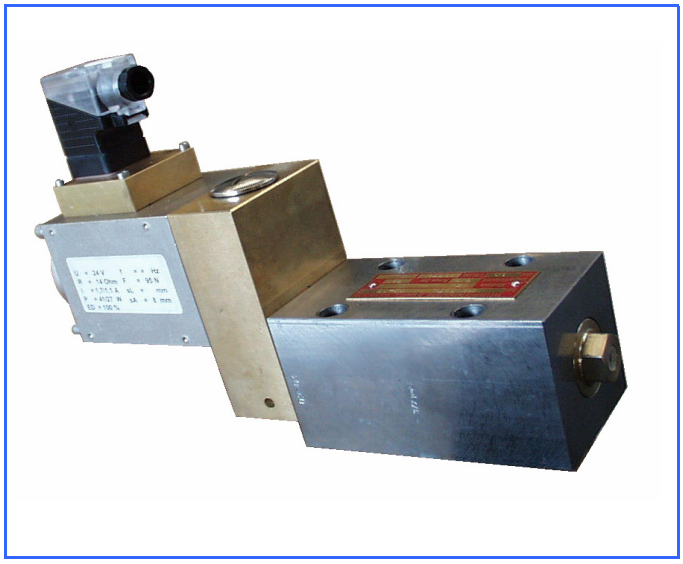


2/2 directional control seat valve 3/2 directional control seat valve NW10

for water,oil and air

- Protection against accidental operation
- Operating magnet protected against dirt and humidity
- Operating elements can each be rotated through 90°
- Wear parts are easily accessible and can be replaced quickly

Application
The valves are used for water or oil hydraulic control systems. They can also be used as pilot-control valves.

Technical data

Type
Directional control ball seat valve

Connections
Plate mounting with O-ring seal on request available with connection plate
Connection thread
NW 10 = R1/2"

Medium:
Water, oil or air must be specially mentioned when ordering

Viscosity
1 to 300 cSt

Ambient temperature
Depends on control element, see table "Technical data of control elements", higher temperatures on request

Seals
NBR, other seal materials available upon request

Sealing
Ball on seat

Pressure range
0 to 320 bar (630 bar)
for 3/2 dir.:
The pressure in connection "R" must not exceed 50% of working pressure

Switching time
Depends on operating pressure and operating temperature (see table: technical data of control elements)

Fitted position
Any

Flow direction
2/2W: From "P" to "A"
3/2W: From "P" to "A" or from "A" to "R"
the connections "P" , "A", and "R" must not be mixed up

Flow rate for liquids
Max. 60l/min at NW 10

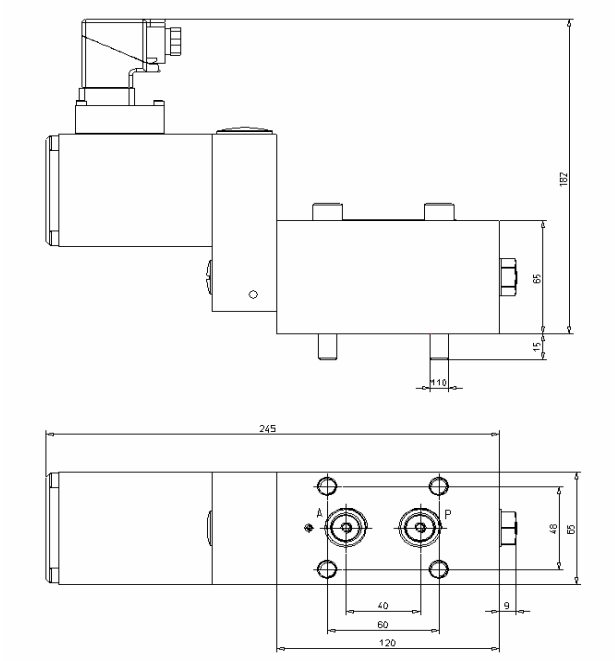
Operating modes
Electric, hydraulic, pneumatic, mechanical or manual operation

Materials
All parts coming into contact with the flow medium are made of corrosion resistant materials

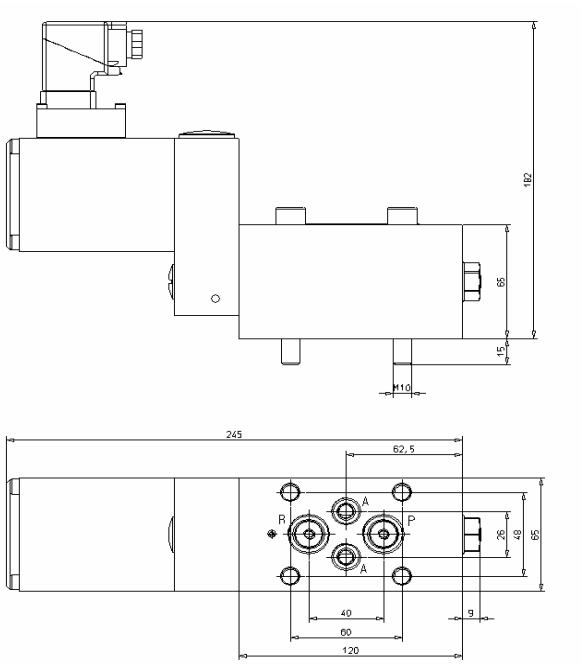
Special features
The valve is characterized by fast response times. The solenoid plunger of the electromagnet is dual-supported and thus protected against wear. By means of a diaphragm seal between the pushrod and the solenoid plunger chamber the control electromagnet is protected against dirt and humidity. The arrestable manual operation device can be accessed by removing the type plate and is thus also protected against any accidental operation. The electric magnet and all other control elements can each be rotated through 90°. All wear parts are easily accessible and quick to replace.

Dimensional drawing

2/2 directional control seat valves



3/2 directional control seat valves



Technical data of actuators

actuator design type	electromagnet
protection class	IP 54
housing	DIN 40050
connection type	plug
ambient temperature	max. + 35 ° C
mounting position	any
operating voltage*	24 V =
current intensity	1,8 A / 1,2 A
switch-on period	100% ED
pull-in power	43 W
hold performance	29 W
lifting force	150 N

* Other voltages possible