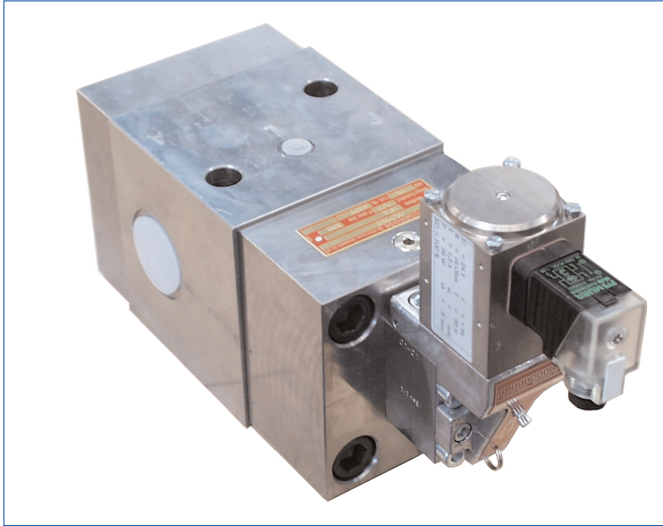




10

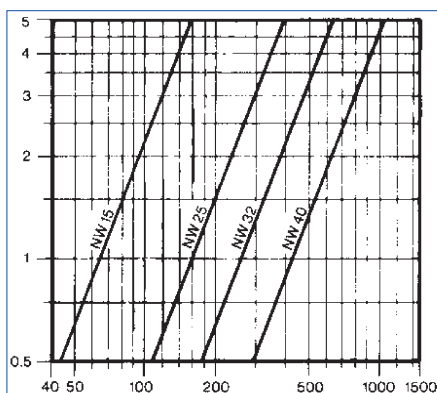


2/2 direct. contr. high pressure valve NW 15 to NW 32

for water and oil
max. 320 bar
for pipe fitting with threaded connection

The 2/2 directional control valves with threaded connection release or block a flow rate. They are robust electromagnetically/hydraulically operated seat valves. The working piston of the main valve is supported at two points and fed to the outside through the valve housing. This provides the possibility to attach an optical, mechanical, or electrical position indicator. The valve is sealed by pressing two metal surfaces against one another. In contrast to slide valves, there are no leakage losses in the closure of the valve. By fitting orifice plates or an intermediate plate with switch period adjustment between the pilot and main valves, the control medium can be throttled. This influences the switch period of the main valve. Throttle gap or throttle grooves on the main valve piston prevent undesirable pressure surges during the switching process. This type of seat valves - as individual valves or combined with other control elements into compact control systems - are used wherever reliable sealing is required under difficult conditions, e.g. press and rolling mill engineering. There are no particular requirements as regards the lubrication capability of the medium. Via the associated pilot-control valve, the valves can be operated manually, mechanically, pneumatically, hydraulically or electrically using direct or alternating current. They are also available in protection class (Sch) and (Ex) d2/G5. For all standard supply voltages, control electromagnets are available.

Pressure loss and flow rate for water (20°)

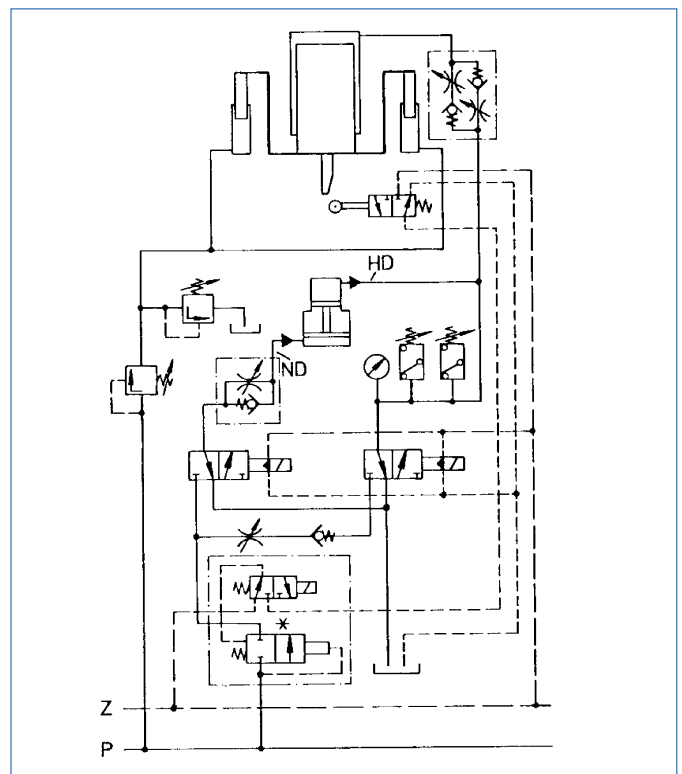


pressure rate

flow rate

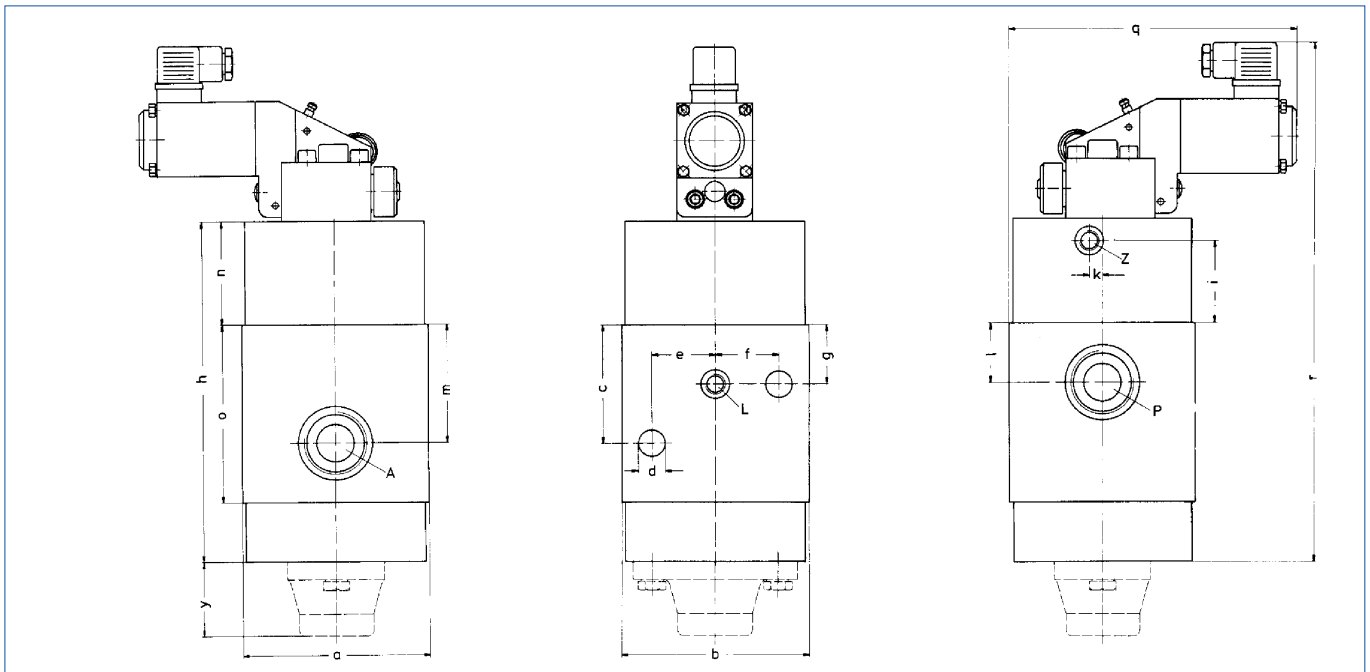
Mounting example:

* 2/2 directional control valve

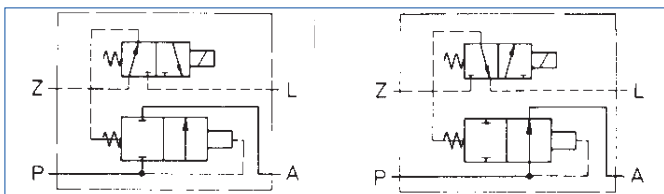


Special features

The valves are insensitive against vibrations and pressure surges in the hydraulic system. The emergency manual controls fitted as standard can be locked in position and are accessible only by removing the type plates; they are thus protected against accidental activation. The respective position of the valve pistons can be detected optically. Valve response times are fast. All wear parts are made of corrosion resistant materials, easy to access, and fast to replace.

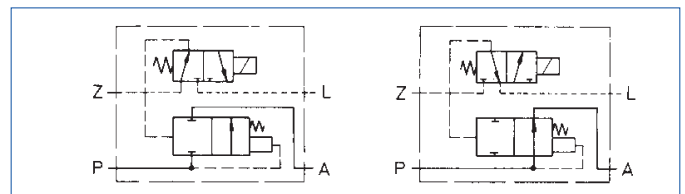


NW	P	A	L	Z	a	b	c	d	e	f	g	h	i	k	l	m	n	o	q	r	y
15	R 3/4"	R 3/4"	R 1/4"	R 1/4"	95	95	65	11	32,5	32,5	35	180	38	9	35	65	50	100	178	295	32
25	R 1 1/4"	R 1 1/4"	R 1 1/4"	R 1 1/4"	125	125	80	18	42,5	42,5	40	230	55	9	40	80	70	120	193	345	50
32	R 1 3/4"	R 1 3/4"	R 1 1/4"	R 1 1/4"	150	150	100	23	50	50	50	290	75	9	50	100	90	150	205	405	55



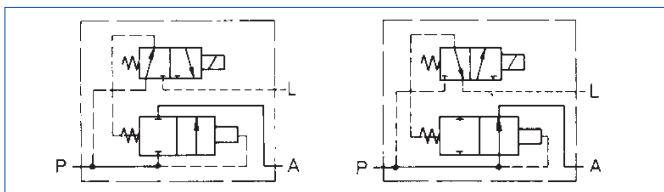
Ext. controlled with closing spring

Type
2/2REV-015-06-XLS-NNEN-25
2/2REV-025-06-XLS-NNEN-25
2/2REV-032-06-XLS-NNEN-25
2/2REV-040-06-XLS-NNEN-25



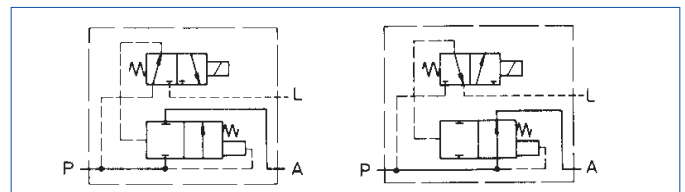
Ext. controlled with opening spring

Type
2/2REV-015-06-XLO-NNEN-25
2/2REV-025-06-XLO-NNEN-25
2/2REV-032-06-XLO-NNEN-25
2/2REV-040-06-XLO-NNEN-25



Self-controlled with closing spring

Port "Z" is no longer required
Type
2/2REV-015-06-IIS-NNEN-25
2/2REV-025-06-IIS-NNEN-25
2/2REV-032-06-IIS-NNEN-25
2/2REV-040-06-IIS-NNEN-25



Self-controlled with opening spring

Port "Z" is no longer required
Type
2/2REV-015-06-IIO-NNEN-25
2/2REV-025-06-IIO-NNEN-25
2/2REV-032-06-IIO-NNEN-25
2/2REV-040-06-IIO-NNEN-25

* positive valve
** negative valve