

Fitted check valve NW 10 to 100 for water and oil max. 320 bar



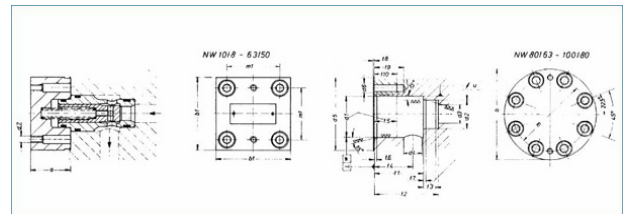
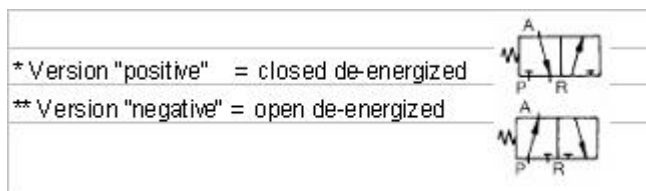
TECHNICAL DATA

The fitted check valves are cone seat valves. Sealing is effected by pressing together of two metal cones. They were specially developed for water hydraulics. The check valves have a free passage from A to B and seal off in the opposite direction without any leakage. The opening pressure is 1 bar. Working pressure should not exceed 320 bar. However, the check valves are also available for other opening pressures as well as without closing spring. Please state opening pressure required when ordering.

Special features

The valve cone as well as the closing spring are fitted in an extremely flow-promoting fitted cartridge. A double guide for the valve cone provides for a perfect seal on the valve seat. The closing spring is chambered such that medium cannot flow through the same. Thus, in the event of any spring fracture occurring it is impossible for debris to enter into the circuit. Check valves of this type are almost insensitive with regard to the high flow speeds occurring in hydraulic press water systems. All wear parts are made of corrosion resistant materials, are easy to access and fast to replace. The mounting position can be freely chosen.

fig.: Mounting example * fitted check valve NW 10 to 100



Nennweite	1018	16/12	25/16	32/25	40/32	50/40	63/50	Nennweite	80/63	100/80	
a	30	35	45	50	60	70	100	a	120	140	
d1	45	55	65	70	85	100	100	b	250	300	
d1 ^{max}	25	32	45	50	75	90	120	d1 ^{max}	165	180	
d2 ^{min}	18	25	34	45	55	68	90	d2 ^{min}	110	135	
d3	30	36	45	50	60	70	100	d3	80	100	
d4	10	16	22	22	40	50	63	d4	80	100	
d5	max.	46	55	65	103	126	141	d5	max.	252	302
d6	M8	M8	M12	M8	M20	M20	M30	d6	M24	M30	
d7	30	30	46	58	70	85	100	d7	M8	M10	
e1	102	30	46	58	70	85	100	e1	103	200	
f1	23	31	42	56	70	87	100	f1	23	210	
f2	42	42	56	72	85	105	122	f2	205	245	
f3	11	11	12	12	25	27	20	f3	25	28	
f4	Ø16-Ø5, max.	25	34	44	52	64	72	f4	Ø16-Ø5, max.	130	155
f5	20	20	30	30	30	35	40	f5	40	50	
f6	2	2	2,5	2,5	3	4	4	f6	5	5	
f7	2	2	2,5	2,5	3	4	4	f7	5	5	
f8	0,5	0,5	0,5	0,5	0,5	0,5	0,5	f8	0,5	0,5	
f9	max.	18	25	31	42	53	53	f9	max.	57	72
f10	14	20	25	35	45	45	65	f10	50	62	
v	0,03	0,03	0,02	0,02	0,05	0,05	0,05	v	0,05	0,05	
w	0,05	0,05	0,05	0,1	0,1	0,1	0,2	w	0,2	0,2	