

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



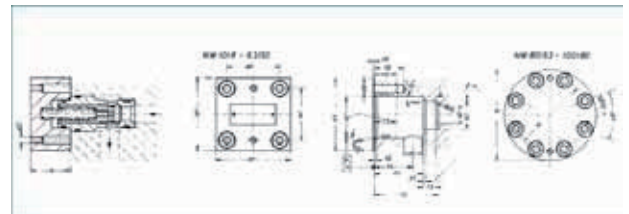
TECHNICAL DATA

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	10/16	16/12	25/16	32/25	40/32	50/40	63/50	Nennweite	80/63	100/80
a	30	35	45	50	60	70	80	a	100	140
a1	45	55	65	70	75	80	90	b	250	300
a2	25	32	45	50	55	60	70	a1+a2	145	180
a2 ^{min}	18	25	34	45	55	68	80	a2 ^{min}	110	135
a3	30	36	48	52	60	70	83	a3	80	100
a4	10	16	22	22	20	30	43	a4	80	100
a5	48	58	68	78	88	100	115	a5	252	302
a6	M8	M8	M12	M8	M20	M20	M30	a6	M24	M30
a7	30	36	48	52	60	70	83	a7	M8	M10
a8	10/12	16	16	16	16	16	16	a8	100	125
a9	31	37	49	56	60	70	83	a9	175	210
a10	42	50	64	72	85	100	122	a10	205	255
a11	11	11	12	12	12	12	12	a11	25	28
a12	25	34	44	52	64	72	85	a12	100	125
a13	20	20	30	30	30	35	40	a13	40	50
a14	2	2	2,5	2,5	3	4	4	a14	5	5
a15	2	2	2,5	2,5	3	4	4	a15	5	5
a16	0,5	0,5	0,5	0,5	0,5	0,5	0,5	a16	0,5	0,5
a17	18	25	31	42	53	53	75	a17	57	72
a18	14	20	25	35	45	45	65	a18	50	62
a19	0,03	0,03	0,03	0,03	0,05	0,05	0,08	a19	0,05	0,05
a20	0,05	0,05	0,05	0,1	0,1	0,1	0,2	a20	0,2	0,2

