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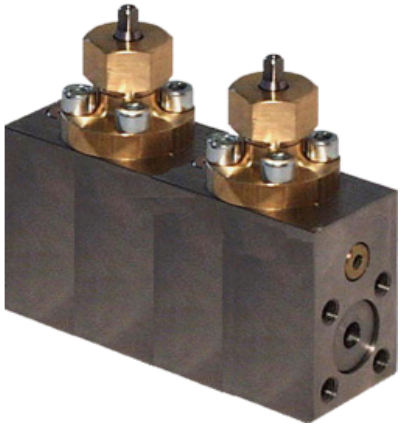
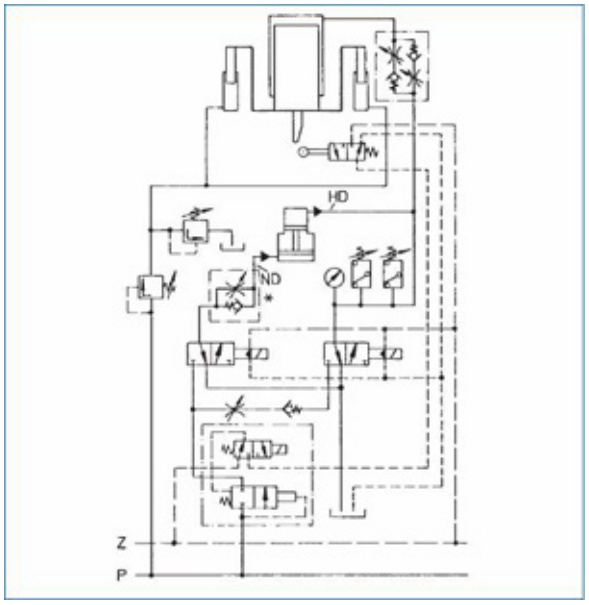
TIEFENBACH
Wasserhydraulik.

DOUBLE THROTTLE CHECK VALVE NW 10 TO 65

FOR WATER AND OIL MAX. 320 BAR FOR FLANGE CONNECTION



TECHNICAL DATA



The throttle check valves in the series DRVK 10-65 are a combination of a throttle with throttle pinion and a check valve in a cone seat design. They were specially developed for water hydraulics. The throttle check valves have a free passage from A to B in accordance with the symbols attached to the valve housing whilst the fluid current can be continuously controlled in the return direction.

The flow rate depends on the differential pressure and viscosity. The construction type of the throttle provides for a possible blocking in the flow direction from A to B. The throttle as well as the check valve are sealed by pressing two metal cones against one another. The opening stroke of the check valve is provided with an end position damping and dimensioned such that when the return flow starts a fast closure of the check valve is assured. The opening pressure of the check valve is 1 bar. The max. working pressure must not exceed 320 bar.

Special features
The adjustable throttle can be adjusted under pressure and is secured against auto-turning by means of a locknut. Throttle and throttle seat are easy to replace. The valve cone of the check valve 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. Throttle check valves of this construction 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, easy to access and fast to replace. The mounting position can be freely chosen.

Picture (right side): Mounting example Throttle check valve

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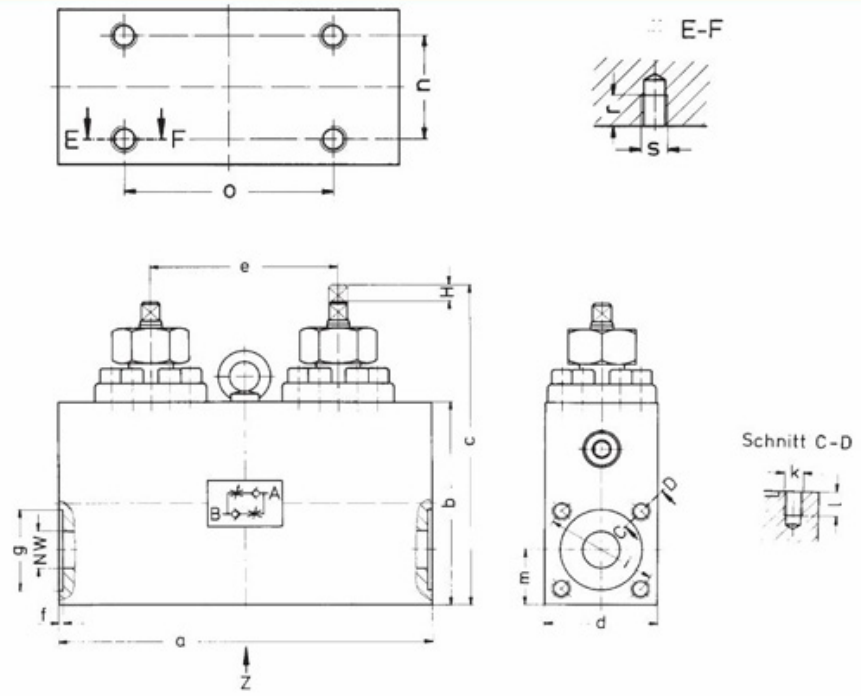

	NW	A	B	H	a	b	c	d	e	f	g	i	k	l	m	n	o	r	s
10/DRVK2/315	10	FA10 ATI	FA10 ATI	10	140	75	134	50	60	2	∅ 28	44	M10	16	25	32	60	10	M 8
15/DRVK2/315	15	FA15 ATI	FA15 ATI	12	190	95	153	60	90	2	∅ 38	54	M10	18	30	40	130	14	M 8
25/DRVK2/315	25	FA25 ATI	FA25 ATI	13	230	125	208	80	120	2	∅ 55	72	M12	20	40	50	160	14	M10
32/DRVK2/315	32	FA32 ATI	FA32 ATI	20	260	145	243	90	140	2	∅ 60	80	M16	22	45	60	170	18	M12
40/DRVK2/315	40	FA40 ATI	FA40 ATI	22	280	165	273	100	140	2	∅ 76	98	M16	22	50	70	200	18	M12
50/DRVK2/315	50	FA50 ATI	FA50 ATI	30	390	210	340	120	210	2	∅ 92	118	M20	23	60	80	290	20	M16
65/DRVK2/315	65	FA65 ATI	FA65 ATI	38	470	250	403	150	270	2	∅110	145	M24	25	75	110	340	25	M20