



Application

For use with steam, liquids, and non-corrosive gases and vapours.

Dimensions [mm] and Weights [kg]

DN ₁ x DN ₂	20 x 32	25 x 40	32 x 50	40 x 65	50 x 80	65 x 100	80 x 125	100 x 150	125 x 200	150 x 250
d ₀	18	23	29	37	46	60	74	92	98	125
l	95	100	110	115	120	140	160	180	200	225
l ₁	85	105	115	140	150	170	195	220	250	285
H ¹⁾	215	233	325	366	413	526	603	660	660	735
H ²⁾	–	234	331	372	419	529	606	663	663	735
X	150	150	200	250	300	350	400	450	450	450
Weight	9	9	12	16	22	32	56	75	85	131

1) 4421, 4425, 4422 2) 4414

Discharge Capacities for Saturated Steam [kg/h]

Set pressure [bar]	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150
0.2	85	139	222	361	558	949	1444	2232	2532	4120
0.5	134	219	348	566	875	1489	2265	3502	3973	6464
1.0	198	324	515	839	1296	2205	3355	5185	5883	9572
2.0	317	517	822	1339	2069	3520	5355	8277	9392	15280
3.0	427	697	1108	1804	2788	4744	7216	11153	12655	20589
4.0	533	870	1382	2250	3478	5918	9002	13913	15787	25685
5.0	638	1041	1656	2695	4165	7087	10780	16662	18906	30758
6.0	743	1213	1928	3138	4850	8252	12552	19401	22014	35815
7.0	845	1380	2193	3570	5518	9388	14281	22073	25046	40748
8.0	949	1550	2464	4010	6198	10545	16041	24794	28133	45770
9.0	1053	1719	2733	4450	6878	11701	17799	27510	31216	50786
10.0	1157	1889	3003	4889	7556	12856	19555	30225	34296	55797
12.0	1365	2228	3542	5766	8913	15163	23065	35650	40452	65812
14.0	1568	2560	4070	6625	10241	17423	26502	40962	46479	75619
16.0	1775	2898	4608	7501	11594	19725	30004	46376	52622	85612
18.0	1983	3237	5147	8378	12949	22030	33510	51795	58772	95617
20.0	2191	3577	5686	9256	14306	24339	37023	57224	64932	105639
22.0	2392	3906	6209	10107	15623	26579	40430	62491	70907	115361
24.0	2600	4246	6750	10987	16982	28892	43948	67928	77078	125399
26.0	2809	4586	7291	11869	18345	31211	47475	73380	–	–
28.0	3018	4928	7835	12753	19712	33537	51013	78848	–	–
30.0	3228	5271	8379	13640	21083	35869	54561	84333	–	–
32.0	3439	5615	8926	14530	22459	38210	58121	89835	–	–

Calculation according to DIN 3320 and AD Bulletin A2, TRD 421.

For discharge capacities for other set pressure ratings or fluids see data sheet.