

SATURATED STEAM CAPACITY CHART (kg/h)

Set Pressure (Barg)	Valve Type 746# (BS6759 PtI @ 5% Overpressure)†							Valve Type 756 (BS6759 PtI @ 5% Overpressure)†						Metal Seat Valve Type 766 (BS6759 PtI @ 10% Overpressure)*			
	DN25	DN32	DN40	DN50	DN65	DN80	DN100	DN25	DN32	DN40	DN50	DN65	DN80	DN40	DN50	DN65	DN80
0.35	124	198	322	498	847	1289	1992	161	257	419	648	1101	1676	402	716	1119	1611
1.0	269	429	698	1079	1836	2793	4317	297	472	769	1189	2022	3076	893	1587	2480	3571
2.0	457	727	1183	1830	3112	4735	7318	486	773	1258	1945	3309	5034	1485	2640	4125	5940
3.0	635	1010	1645	2543	4326	6581	10173	650	1033	1683	2601	4425	6732	2065	3673	5738	8262
4.0	795	1265	2060	3185	5417	8241	12738	813	1294	2107	3257	5541	8429	2592	4609	7201	10369
5.0	955	1519	2475	3826	6508	9901	15303	977	1554	2531	3913	6656	10127	3119	5545	8664	12475
6.0	1115	1774	2889	4467	7598	11560	17869	1141	1815	2955	4567	7772	11825	3645	6482	10127	14582
7.0	1276	2029	3304	5108	8689	13220	20433	1305	2075	3380	5225	8888	13522	4172	7418	11591	16689
8.0	1436	2283	3719	5750	9780	14880	22999	1469	2336	3804	5881	10004	15220	4699	8355	13054	18795
9.0	1596	2538	4134	6391	10871	16539	25565	1632	2596	4228	6537	11120	16917	5226	9291	14517	20902
10.0	1756	2793	4549	7032	11962	18199	28130	1796	2857	4653	7193	12235	18615	5752	10228	15980	23009
12.0	2076	3302	5378	8315	14143	21518	33260	2124	3378	5501	8505	14467	22010	6806	12100	18906	27222
12.5	2156	3429	5586	8636	14689	22348	34543	2206	3508	5713	8833	15024	22859	7069	12569	19638	28276
14.0	2397	3811	6208	9598	16325	24838	38391	2451	3898	6350	9817	16699	25405	7859	13974	21832	31436
16.0	2717	4321	7038	10880	18587	28157	43522	2779	4419	7198	11129	18930	28800	8912	15847	24759	35649
18.0	3037	4830	7867	12163	20689	31476	48652	3107	4940	8047	12441	21162	32196	9965	17720	27685	39863
20.0	3357	5339	8697	13446	22871	34795	53783	3434	5461	8896	13753	23393	35591	11019	19593	30612	44076
22.0	3678	5849	9526	14728	25052	38115	58913	3762	5982	9744	15065	25625	38986	12072	21466	33538	48289
24.0	3998	6358	10356	16011	27234	41434	64044	4089	6503	10593	16377	27857	42381	13126	23338	36464	52503
26.0	4318	6868	11186	17293	29416	44753											
28.0	4638	7377	12015	18576	31598	48073											
30.0	4959	7886	12845	19859	33779	51392											
32.0	5279	8396	13675	21142	35961	54711											
34.0	5599	8905	14504	22424	38143												
36.0	5919	9414	15334	23707													
38.0	6240	9924	16164	24990													
40.0	6560	10433	16993	26272													

* Minimum overpressure = 0.07 Barg at set pressure less than 0.7 Barg.

† Minimum overpressure = 0.07 Barg at set pressure less than 1.0 Barg.

The 746 can be sized/certified to ASME VIII and AD Merkblatt A2 - contact factory for details.

FSH - SUPERHEAT STEAM CORRECTION TABLE

Set Pressure (Barg)	Saturated Steam Temp. °C	Total Steam Temperature in Degrees Centigrade					
		150	200	260	310	370	430
1	120	1.00	0.98	0.93	0.88	0.84	0.80
4	150	1.00	0.99	0.93	0.88	0.84	0.81
7	170	1.00	0.99	0.94	0.89	0.84	0.81
10	361	1.00	0.99	0.94	0.89	0.85	0.81
14	180	1.00	0.99	0.95	0.89	0.85	0.81
18	210	-	1.00	0.95	0.90	0.85	0.81
24	220	-	1.00	0.96	0.90	0.86	0.82
34	240	-	1.00	0.96	0.92	0.86	0.82
41	250	-	1.00	0.97	0.92	0.87	0.82