표 ESStb-S15, 노즐 질식 유동 상태 (입구 포화 압력 및 건도 기준) - 1/10

건도	0.1 bar a (tsat = 45.81 oC)				0.2 bar a (tsat = 60.06 oC)				0.3 bar a (tsat = 69.10 oC)				건도
%	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	%
100	16.49	0.0582	2506.7	393.0	32.35	0.1162	2528.3	401.6	47.98	0.1741	2541.7	407.0	**100**
95	16.91	0.0582	2391.0	382.8	33.17	0.1163	2414.5	391.3	49.18	0.1742	2429.2	396.5	**95**
90	17.36	0.0583	2275.3	372.5	34.05	0.1164	2300.7	380.7	50.48	0.1744	2316.6	385.7	**90**
85	17.84	0.0583	2159.6	361.8	35.00	0.1165	2187.0	369.7	51.89	0.1746	2204.1	374.6	**85**
80	18.38	0.0584	2043.9	350.8	36.04	0.1166	2073.2	358.5	53.42	0.1748	2091.5	363.2	**80**
75	18.96	0.0585	1928.3	339.4	37.18	0.1168	1959.4	346.8	55.10	0.1750	1979.0	351.4	**75**
70	19.60	0.0585	1812.6	327.7	38.43	0.1170	1845.6	334.8	56.95	0.1753	1866.4	339.2	**70**
65	20.31	0.0586	1696.9	315.5	39.81	0.1171	1731.8	322.4	59.00	0.1756	1753.9	326.6	**65**
60	21.10	0.0587	1581.2	302.8	41.36	0.1173	1618.1	309.4	61.29	0.1760	1641.3	313.4	**60**
55	22.00	0.0588	1465.5	289.6	43.11	0.1176	1504.3	295.8	63.86	0.1764	1528.8	299.6	**55**
50	23.02	0.0590	1349.8	275.7	45.09	0.1179	1390.5	281.6	66.79	0.1768	1416.2	285.2	**50**
45	24.19	0.0591	1234.1	261.2	47.38	0.1183	1276.7	266.7	70.17	0.1774	1303.6	270.1	**45**
40	25.57	0.0593	1118.5	245.7	50.06	0.1187	1163.0	250.9	74.12	0.1782	1191.1	254.0	**40**
35	27.22	0.0596	1002.8	229.3	53.25	0.1193	1049.2	234.0	78.82	0.1790	1078.5	236.9	**35**
30	29.23	0.0599	887.1	211.5	57.15	0.1200	935.4	215.9	84.55	0.1802	966.0	218.5	**30**
25	31.76	0.0604	771.3	192.3	62.06	0.1210	821.6	196.1	91.75	0.1817	853.4	198.5	**25**
20	35.11	0.0610	655.6	170.9	68.50	0.1224	707.7	174.2	101.2	0.1839	740.8	176.2	**20**
15	39.80	0.0620	539.9	146.5	77.51	0.1245	593.9	149.2	114.4	0.1873	628.1	150.9	**15**
10	47.12	0.0637	424.1	117.4	91.48	0.1282	480.0	119.5	134.7	0.1931	515.5	120.7	**10**
5	61.21	0.0676	308.3	79.6	118.0	0.1364	366.0	80.8	173.0	0.2057	402.7	81.5	**5**
4	66.03	0.0691	285.0	69.9	127.0	0.1395	343.2	71.0	185.9	0.2104	380.1	71.6	**4**
3	72.32	0.0711	261.8	59.1	138.6	0.1437	320.3	59.9	202.5	0.2168	357.5	60.4	**3**
2	81.14	0.0742	238.6	46.4	154.8	0.1498	297.4	47.0	225.4	0.2261	334.8	47.4	**2**
1	95.37	0.0795	215.3	30.4	180.5	0.1604	274.5	30.8	261.6	0.2420	312.1	31.1	**1**

건도	0.4 bar a (tsat = 75.86 oC)				0.5 bar a (tsat = 81.32 oC)				0.6 bar a (tsat = 85.93 oC)				건도
%	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	%
100	63.44	0.2319	2551.6	410.9	78.78	0.2897	2559.5	414.0	94.03	0.3475	2566.1	416.5	**100**
95	65.03	0.2321	2440.0	400.3	80.75	0.2900	2448.7	403.2	96.38	0.3479	2455.9	405.8	**95**
90	66.74	0.2324	2328.4	389.4	82.88	0.2904	2337.8	392.3	98.91	0.3482	2345.7	394.7	**90**
85	68.60	0.2326	2216.8	378.2	85.18	0.2907	2226.9	381.0	101.7	0.3487	2235.4	383.3	**85**
80	70.63	0.2329	2105.1	366.7	87.69	0.2910	2116.0	369.4	104.7	0.3491	2125.2	371.6	**80**
75	72.84	0.2333	1993.5	354.7	90.44	0.2915	2005.2	357.3	107.9	0.3497	2015.0	359.5	**75**
70	75.28	0.2337	1881.9	342.4	93.46	0.2919	1894.3	344.9	111.5	0.3503	1904.8	346.9	**70**
65	77.98	0.2340	1770.3	329.6	96.80	0.2925	1783.4	332.0	115.5	0.3509	1794.5	334.0	**65**
60	80.99	0.2345	1658.6	316.3	100.5	0.2932	1672.6	318.6	119.9	0.3517	1684.3	320.5	**60**
55	84.39	0.2351	1547.0	302.4	104.7	0.2939	1561.7	304.6	124.9	0.3526	1574.1	306.4	**55**
50	88.25	0.2358	1435.4	287.8	109.5	0.2947	1450.8	289.9	130.6	0.3537	1463.8	291.6	**50**
45	92.69	0.2366	1323.8	272.5	115.0	0.2958	1339.9	274.4	137.2	0.3550	1353.6	276.1	**45**
40	97.88	0.2376	1212.1	256.3	121.4	0.2971	1229.1	258.1	144.8	0.3566	1243.3	259.6	**40**
35	104.1	0.2389	1100.5	239.0	129.1	0.2987	1118.2	240.7	153.9	0.3586	1133.1	242.1	**35**
30	111.6	0.2405	988.8	220.4	138.4	0.3008	1007.3	221.9	164.9	0.3612	1022.8	223.2	**30**
25	121.0	0.2426	877.2	200.1	150.0	0.3036	896.4	201.5	178.8	0.3646	912.6	202.6	**25**
20	133.4	0.2457	765.5	177.7	165.3	0.3075	785.4	178.8	196.9	0.3694	802.3	179.8	**20**
15	150.6	0.2503	653.8	152.1	186.5	0.3134	674.5	153.0	222.0	0.3767	692.0	153.8	**15**
10	177.1	0.2582	542.0	121.6	219.0	0.3236	563.5	122.3	260.4	0.3891	581.6	122.9	**10**
5	226.8	0.2754	430.1	82.1	279.6	0.3454	452.3	82.5	331.7	0.4157	471.1	82.8	**5**
4	243.4	0.2817	407.7	72.1	299.7	0.3535	430.0	72.4	355.2	0.4254	448.9	72.7	**4**
3	264.7	0.2903	385.3	60.8	325.6	0.3642	407.7	61.1	385.5	0.4384	426.7	61.4	**3**
2	294.0	0.3028	362.8	47.7	361.0	0.3798	385.4	48.0	426.7	0.4571	404.5	48.2	**2**
1	339.9	0.3238	340.3	31.3	416.1	0.4060	363.0	31.5	490.6	0.4883	382.3	31.7	**1**

단위: WperA (kg/s/m2) ; Pc (bar a) ; Hc (kJ/kg) ; Velc (m/s)

주1 : 표 상단의 노즐 입구 포화 압력과 좌우측의 노즐 입구 건도는 유속이 0 인 정지 상태 기준입니다.

주2 : WperA, Pc, Hc 및 Velc는 노즐 목(Throat)에서의 상태입니다.

주3 : 표 ESStb-S15 전체 상태는 습증기 상태로 질식 유속(Velc)이 음속과 같지 않습니다.

표 ESStb-S15, 노즐 질식 유동 상태 (입구 포화 압력 및 건도 기준) - 2/10

건도	0.7 bar a (tsat = 89.93 oC)				0.8 bar a (tsat = 93.49 oC)				0.9 bar a (tsat = 96.69 oC)				건도
%	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	%
100	109.2	0.4052	2571.8	418.7	124.3	0.4630	2576.7	420.6	139.3	0.5207	2581.2	422.3	**100**
95	111.9	0.4057	2462.1	407.9	127.4	0.4635	2467.6	409.7	142.8	0.5213	2472.5	411.3	**95**
90	114.9	0.4062	2352.5	396.7	130.7	0.4640	2358.4	398.5	146.6	0.5219	2363.8	400.1	**90**
85	118.1	0.4066	2242.8	385.3	134.4	0.4646	2249.3	387.0	150.6	0.5226	2255.1	388.5	**85**
80	121.5	0.4072	2133.1	373.5	138.3	0.4653	2140.1	375.2	155.0	0.5233	2146.3	376.6	**80**
75	125.3	0.4078	2023.4	361.4	142.6	0.4660	2030.9	363.0	159.9	0.5242	2037.6	364.3	**75**
70	129.5	0.4086	1913.8	348.7	147.4	0.4669	1921.8	350.3	165.2	0.5251	1928.9	351.7	**70**
65	134.1	0.4093	1804.1	335.7	152.6	0.4678	1812.6	337.1	171.0	0.5262	1820.2	338.5	**65**
60	139.2	0.4103	1694.4	322.1	158.5	0.4689	1703.4	323.5	177.6	0.5275	1711.5	324.7	**60**
55	145.0	0.4114	1584.8	307.9	165.0	0.4702	1594.3	309.3	184.9	0.5290	1602.8	310.5	**55**
50	151.6	0.4128	1475.1	293.0	172.5	0.4717	1485.1	294.3	193.3	0.5307	1494.1	295.5	**50**
45	159.2	0.4143	1365.4	277.4	181.1	0.4736	1375.9	278.6	202.9	0.5328	1385.4	279.7	**45**
40	168.0	0.4162	1255.7	260.9	191.1	0.4757	1266.7	262.0	214.1	0.5354	1276.6	262.9	**40**
35	178.5	0.4186	1146.1	243.2	203.1	0.4786	1157.6	244.2	227.5	0.5386	1167.9	245.1	**35**
30	191.3	0.4217	1036.4	224.2	217.6	0.4821	1048.4	225.2	243.6	0.5427	1059.2	225.9	**30**
25	207.3	0.4258	926.7	203.5	235.7	0.4869	939.1	204.3	263.9	0.5481	950.4	205.1	**25**
20	228.2	0.4315	816.9	180.6	259.3	0.4935	829.9	181.3	290.3	0.5558	841.6	181.9	**20**
15	257.1	0.4401	707.2	154.4	292.1	0.5036	720.7	155.0	326.7	0.5672	732.8	155.5	**15**
10	301.3	0.4548	597.3	123.4	341.9	0.5207	611.3	123.8	382.2	0.5866	623.9	124.2	**10**
5	383.1	0.4861	487.4	83.2	433.9	0.5567	501.8	83.4	484.2	0.6275	514.9	83.7	**5**
4	410.0	0.4975	465.3	73.0	464.1	0.5698	479.9	73.2	517.7	0.6423	493.0	73.4	**4**
3	444.5	0.5127	443.3	61.6	502.7	0.5873	457.9	61.8	560.3	0.6620	471.2	62.0	**3**
2	491.4	0.5346	421.2	48.4	555.1	0.6123	435.9	48.5	618.0	0.6901	449.2	48.7	**2**
1	563.7	0.5708	399.0	31.9	635.6	0.6534	413.9	32.0	706.4	0.7362	427.3	32.2	**1**

건도	1 bar a (tsat = 99.61 oC)				2 bar a (tsat = 120.21 oC)				3 bar a (tsat = 133.53 oC)				건도
%	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	%
100	154.3	0.5784	2585.1	423.8	302.3	1.155	2612.2	433.7	448.0	1.731	2628.3	439.6	**100**
95	158.2	0.5791	2476.9	412.8	309.8	1.157	2506.9	422.5	459.0	1.734	2525.1	428.1	**95**
90	162.3	0.5797	2368.6	401.5	317.8	1.158	2401.6	411.0	470.8	1.736	2421.9	416.4	**90**
85	166.8	0.5806	2260.3	389.9	326.5	1.160	2296.4	399.1	483.7	1.739	2318.6	404.3	**85**
80	171.7	0.5814	2152.0	377.9	336.0	1.162	2191.1	386.8	497.6	1.742	2215.4	391.9	**80**
75	177.0	0.5824	2043.7	365.6	346.3	1.164	2085.9	374.2	512.8	1.746	2112.2	379.0	**75**
70	182.9	0.5834	1935.4	352.9	357.7	1.167	1980.6	361.0	529.6	1.750	2009.0	365.8	**70**
65	189.4	0.5847	1827.1	339.6	370.3	1.169	1875.3	347.5	548.0	1.754	1905.8	351.9	**65**
60	196.6	0.5861	1718.8	325.9	384.3	1.173	1770.1	333.3	568.6	1.760	1802.5	337.6	**60**
55	204.8	0.5878	1610.5	311.5	400.0	1.176	1664.8	318.6	591.7	1.766	1699.3	322.6	**55**
50	214.0	0.5897	1502.2	296.5	417.8	1.181	1559.5	303.1	617.8	1.773	1596.1	306.9	**50**
45	224.6	0.5922	1394.0	280.6	438.3	1.186	1454.3	286.8	647.7	1.782	1492.8	290.4	**45**
40	237.0	0.5950	1285.6	263.9	462.1	1.193	1349.0	269.6	682.6	1.792	1389.6	273.0	**40**
35	251.8	0.5986	1177.3	245.9	490.3	1.201	1243.7	251.3	723.7	1.805	1286.3	254.3	**35**
30	269.6	0.6033	1069.0	226.7	524.5	1.211	1138.4	231.5	773.4	1.822	1183.0	234.3	**30**
25	292.0	0.6094	960.7	205.7	567.0	1.225	1033.0	210.0	835.2	1.843	1079.7	212.5	**25**
20	321.0	0.6181	852.3	182.4	622.1	1.244	927.7	186.1	914.8	1.873	976.4	188.3	**20**
15	361.2	0.6309	743.9	156.0	697.6	1.272	822.3	159.0	1023.5	1.918	873.0	160.8	**15**
10	422.3	0.6527	635.4	124.6	811.0	1.318	716.8	126.9	1185.6	1.990	769.6	128.3	**10**
5	534.1	0.6985	526.8	83.9	1014.7	1.414	611.1	85.5	1472.5	2.136	665.9	86.5	**5**
4	570.7	0.7150	505.0	73.6	1080.1	1.447	589.9	75.1	1563.4	2.186	645.1	76.1	**4**
3	617.2	0.7368	483.2	62.2	1162.4	1.491	568.7	63.5	1677.0	2.252	624.3	64.5	**3**
2	680.2	0.7681	461.4	48.9	1272.1	1.552	547.5	50.1	1826.9	2.342	603.4	51.1	**2**
1	776.2	0.8190	439.5	32.3	1435.3	1.650	526.1	33.6	2045.9	2.482	582.5	34.8	**1**

단위: WperA (kg/s/m2) ; Pc (bar a) ; Hc (kJ/kg) ; Velc (m/s)

주1 : 표 상단의 노즐 입구 포화 압력과 좌우측의 노즐 입구 건도는 유속이 0 인 정지 상태 기준입니다.

주2 : WperA, Pc, Hc 및 Velc는 노즐 목(Throat)에서의 상태입니다.

주3 : 표 ESStb-S15 전체 상태는 습증기 상태로 질식 유속(Velc)이 음속과 같지 않습니다.

표 ESStb-S15, 노즐 질식 유동 상태 (입구 포화 압력 및 건도 기준) - 3/10

건도	4 bar a (tsat = 143.61 oC)				5 bar a (tsat = 151.84 oC)				6 bar a (tsat = 158.83 oC)				건도
%	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	%
100	592.2	2.3069	2639.7	443.6	735.6	2.8833	2648.4	446.6	878.1	3.4595	2655.4	448.9	**100**
95	606.7	2.3103	2538.1	432.1	753.5	2.8876	2548.1	435.0	899.5	3.4646	2556.3	437.3	**95**
90	622.3	2.3142	2436.5	420.2	772.8	2.8925	2447.9	423.0	922.4	3.4712	2457.2	425.2	**90**
85	639.2	2.3181	2334.8	408.0	793.7	2.8980	2347.6	410.7	947.2	3.4778	2358.1	412.8	**85**
80	657.6	2.3225	2233.2	395.4	816.3	2.9035	2247.3	398.1	974.2	3.4851	2259.0	400.1	**80**
75	677.6	2.3279	2131.6	382.4	841.0	2.9102	2147.0	385.0	1003.6	3.4932	2159.9	387.0	**75**
70	699.5	2.3337	2030.0	369.0	868.2	2.9181	2046.8	371.4	1035.8	3.5027	2060.8	373.3	**70**
65	723.8	2.3401	1928.4	355.1	898.1	2.9266	1946.5	357.4	1071.4	3.5137	1961.7	359.2	**65**
60	750.8	2.3474	1826.7	340.6	931.4	2.9364	1846.2	342.8	1110.9	3.5261	1862.6	344.5	**60**
55	781.0	2.3562	1725.1	325.4	968.7	2.9480	1745.9	327.5	1155.1	3.5400	1763.4	329.2	**55**
50	815.2	2.3665	1623.5	309.6	1010.9	2.9608	1645.6	311.6	1205.1	3.5562	1664.3	313.2	**50**
45	854.5	2.3787	1521.8	292.9	1059.2	2.9767	1545.3	294.8	1262.3	3.5759	1565.2	296.2	**45**
40	900.0	2.3933	1420.2	275.3	1115.2	2.9962	1445.0	277.0	1328.6	3.6001	1466.0	278.3	**40**
35	953.7	2.4119	1318.5	256.4	1181.2	3.0194	1344.7	258.1	1406.6	3.6294	1366.9	259.3	**35**
30	1018.5	2.4348	1216.8	236.2	1260.6	3.0499	1244.3	237.6	1500.5	3.6660	1267.7	238.8	**30**
25	1098.8	2.4651	1115.1	214.1	1359.0	3.0890	1144.0	215.4	1616.4	3.7144	1168.5	216.5	**25**
20	1202.1	2.5066	1013.4	189.8	1485.2	3.1427	1043.6	190.9	1764.8	3.7803	1069.2	191.8	**20**
15	1342.5	2.5676	911.6	162.1	1656.0	3.2208	943.1	163.0	1965.2	3.8762	969.9	163.8	**15**
10	1550.4	2.6668	809.7	129.3	1907.8	3.3466	842.5	130.2	2259.1	4.0293	870.5	130.9	**10**
5	1914.6	2.8630	707.6	87.4	2344.7	3.5931	741.7	88.1	2764.8	4.3259	770.8	88.8	**5**
4	2028.9	2.9299	687.1	76.9	2480.6	3.6762	721.5	77.7	2921.0	4.4248	750.9	78.4	**4**
3	2170.8	3.0164	666.6	65.3	2648.5	3.7830	701.2	66.1	3113.0	4.5515	730.8	66.9	**3**
2	2356.4	3.1340	646.0	52.1	2866.6	3.9276	680.9	52.9	3360.8	4.7214	710.8	53.7	**2**
1	2623.8	3.3142	625.4	35.9	3176.7	4.1449	660.6	36.9	3709.3	4.9741	690.6	37.9	**1**

건도	7 bar a (tsat = 164.95 oC)				8 bar a (tsat = 170.41 oC)				9 bar a (tsat = 175.36 oC)				건도
%	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	%
100	1020.2	4.0359	2661.1	450.8	1161.8	4.6126	2666.0	452.4	1303.0	5.1895	2670.1	453.7	**100**
95	1044.9	4.0427	2563.1	439.1	1189.8	4.6204	2568.9	440.6	1334.4	5.1983	2573.9	441.9	**95**
90	1071.5	4.0496	2465.0	427.0	1220.0	4.6292	2471.8	428.5	1368.1	5.2081	2477.7	429.8	**90**
85	1100.2	4.0581	2367.0	414.6	1252.6	4.6389	2374.7	416.0	1404.6	5.2191	2381.4	417.2	**85**
80	1131.4	4.0667	2268.9	401.8	1288.0	4.6487	2277.6	403.2	1444.1	5.2312	2285.2	404.3	**80**
75	1165.4	4.0769	2170.9	388.5	1326.5	4.6614	2180.5	389.8	1487.2	5.2455	2189.0	391.0	**75**
70	1202.6	4.0880	2072.8	374.9	1368.8	4.6741	2083.4	376.2	1534.4	5.2609	2092.8	377.2	**70**
65	1243.7	4.1008	1974.7	360.7	1415.4	4.6897	1986.3	361.9	1586.4	5.2785	1996.6	362.9	**65**
60	1289.4	4.1162	1876.7	345.9	1467.1	4.7063	1889.1	347.1	1644.2	5.2982	1900.3	348.1	**60**
55	1340.5	4.1333	1778.6	330.5	1525.0	4.7268	1792.0	331.6	1708.8	5.3213	1804.1	332.6	**55**
50	1398.2	4.1530	1680.5	314.4	1590.4	4.7503	1694.9	315.4	1781.7	5.3488	1707.9	316.3	**50**
45	1464.2	4.1769	1582.4	297.4	1665.0	4.7776	1597.8	298.4	1864.9	5.3806	1611.6	299.2	**45**
40	1540.6	4.2051	1484.3	279.5	1751.3	4.8118	1500.6	280.3	1961.0	5.4191	1515.3	281.1	**40**
35	1630.4	4.2401	1386.2	260.3	1852.8	4.8528	1403.5	261.1	2074.0	5.4652	1419.0	261.9	**35**
30	1738.4	4.2846	1288.1	239.7	1974.6	4.9036	1306.3	240.5	2209.4	5.5245	1322.7	241.2	**30**
25	1871.5	4.3418	1189.9	217.4	2124.6	4.9710	1209.1	218.1	2375.9	5.6014	1226.4	218.7	**25**
20	2041.6	4.4204	1091.7	192.6	2315.9	5.0628	1111.8	193.2	2588.0	5.7058	1130.0	193.8	**20**
15	2270.6	4.5341	993.4	164.5	2572.8	5.1936	1014.5	165.1	2872.0	5.8552	1033.6	165.7	**15**
10	2605.1	4.7152	895.1	131.5	2946.6	5.4026	917.0	132.0	3284.0	6.0914	937.0	132.5	**10**
5	3176.5	5.0613	796.4	89.4	3580.8	5.7971	819.3	90.0	3978.4	6.5353	840.1	90.6	**5**
4	3351.8	5.1758	776.6	79.0	3774.0	5.9270	799.7	79.7	4188.7	6.6792	820.7	80.3	**4**
3	3566.3	5.3211	756.8	67.6	4009.8	6.0911	780.1	68.3	4444.4	6.8616	801.3	68.9	**3**
2	3841.6	5.5159	737.0	54.5	4310.5	6.3088	760.4	55.3	4768.9	7.1022	781.8	56.1	**2**
1	4224.7	5.8004	717.0	38.9	4725.3	6.6253	740.7	39.9	5212.7	7.4483	762.2	40.9	**1**

단위: WperA (kg/s/m2) ; Pc (bar a) ; Hc (kJ/kg) ; Velc (m/s)

주1 : 표 상단의 노즐 입구 포화 압력과 좌우측의 노즐 입구 건도는 유속이 0 인 정지 상태 기준입니다.

주2 : WperA, Pc, Hc 및 Velc는 노즐 목(Throat)에서의 상태입니다.

주3 : 표 ESStb-S15 전체 상태는 습증기 상태로 질식 유속(Velc)이 음속과 같지 않습니다.

표 ESStb-S15, 노즐 질식 유동 상태 (입구 포화 압력 및 건도 기준) - 4/10

건도	10 bar a (tsat = 179.89 oC)				12 bar a (tsat = 187.96 oC)				14 bar a (tsat = 195.05 oC)				건도
%	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	%
100	1444.0	5.7666	2673.7	454.9	1725.2	6.9216	2679.5	456.6	2005.8	8.0776	2684.0	458.0	**100**
95	1478.6	5.7764	2578.3	443.0	1766.4	6.9348	2585.6	444.7	2053.5	8.0930	2591.5	446.0	**95**
90	1515.9	5.7886	2482.9	430.8	1810.7	6.9495	2491.7	432.4	2104.8	8.1101	2499.0	433.7	**90**
85	1556.2	5.8008	2387.5	418.2	1858.6	6.9641	2397.8	419.9	2160.1	8.1306	2406.5	421.0	**85**
80	1599.9	5.8142	2292.1	405.3	1910.4	6.9817	2303.9	406.9	2220.1	8.1511	2313.9	408.0	**80**
75	1647.4	5.8301	2196.7	392.0	1966.9	7.0022	2210.1	393.4	2285.3	8.1751	2221.4	394.5	**75**
70	1699.6	5.8484	2101.3	378.1	2028.7	7.0227	2116.1	379.6	2356.7	8.2007	2128.8	380.7	**70**
65	1757.0	5.8679	2005.9	363.8	2096.8	7.0476	2022.2	365.2	2435.3	8.2315	2036.3	366.2	**65**
60	1820.7	5.8899	1910.5	348.9	2172.3	7.0769	1928.3	350.2	2522.4	8.2656	1943.7	351.2	**60**
55	1891.9	5.9168	1815.1	333.3	2256.6	7.1091	1834.4	334.6	2619.6	8.3049	1851.2	335.6	**55**
50	1972.3	5.9473	1719.6	317.1	2351.7	7.1472	1740.5	318.3	2729.1	8.3511	1758.6	319.2	**50**
45	2063.9	5.9839	1624.2	299.9	2460.0	7.1926	1646.5	301.1	2853.7	8.4041	1666.0	302.0	**45**
40	2169.8	6.0266	1528.7	281.8	2584.9	7.2468	1552.6	282.9	2997.4	8.4690	1573.4	283.7	**40**
35	2294.1	6.0803	1433.3	262.5	2731.4	7.3128	1458.6	263.5	3165.5	8.5476	1480.8	264.3	**35**
30	2442.9	6.1475	1337.8	241.7	2906.4	7.3948	1364.6	242.7	3366.1	8.6467	1388.1	243.5	**30**
25	2625.6	6.2341	1242.3	219.2	3121.0	7.5017	1270.6	220.1	3611.5	8.7732	1295.4	220.8	**25**
20	2858.0	6.3513	1146.7	194.3	3393.0	7.6453	1176.5	195.1	3921.7	8.9441	1202.7	195.8	**20**
15	3168.7	6.5186	1051.1	166.1	3755.0	7.8489	1082.4	167.0	4333.1	9.1851	1109.9	167.7	**15**
10	3617.7	6.7822	955.3	133.0	4275.1	8.1668	988.1	133.9	4920.8	9.5576	1016.9	134.7	**10**
5	4370.0	7.2730	859.3	91.2	5137.0	8.7527	893.5	92.2	5885.0	10.234	923.7	93.2	**5**
4	4596.6	7.4329	840.0	80.9	5394.0	8.9402	874.5	82.1	6169.7	10.450	905.0	83.2	**4**
3	4871.2	7.6331	820.7	69.6	5703.4	9.1746	855.5	70.9	6510.7	10.715	886.3	72.1	**3**
2	5217.9	7.8943	801.4	56.9	6090.7	9.4778	836.5	58.3	6934.0	11.056	867.5	59.8	**2**
1	5688.3	8.2678	782.0	41.8	6608.3	9.9011	817.4	43.7	7492.2	11.525	848.7	45.5	**1**

건도	16 bar a (tsat = 201.38 oC)				18 bar a (tsat = 207.12 oC)				20 bar a (tsat = 212.38 oC)				건도
%	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	%
100	2286.0	9.2346	2687.6	459.0	2566.0	10.395	2690.4	459.6	2845.9	11.554	2692.5	460.2	**100**
95	2340.1	9.2542	2596.3	446.9	2626.5	10.417	2600.3	447.6	2912.7	11.578	2603.5	448.1	**95**
90	2398.3	9.2737	2505.0	434.6	2691.5	10.439	2510.1	435.3	2984.4	11.605	2514.5	435.8	**90**
85	2461.0	9.2971	2413.7	421.9	2761.6	10.465	2420.0	422.6	3061.8	11.635	2425.4	423.1	**85**
80	2529.0	9.3225	2322.4	408.9	2837.5	10.494	2329.9	409.5	3145.6	11.669	2336.4	410.0	**80**
75	2603.0	9.3499	2231.1	395.4	2920.0	10.527	2239.7	396.0	3236.7	11.705	2247.4	396.4	**75**
70	2683.8	9.3811	2139.8	381.4	3010.3	10.562	2149.6	382.1	3336.2	11.747	2158.3	382.5	**70**
65	2772.8	9.4163	2048.5	367.0	3109.5	10.604	2059.5	367.6	3445.5	11.793	2069.3	368.0	**65**
60	2871.3	9.4553	1957.2	352.0	3219.3	10.650	1969.3	352.5	3566.5	11.844	1980.2	353.0	**60**
55	2981.2	9.5022	1865.9	336.3	3341.7	10.702	1879.1	336.8	3701.3	11.906	1891.1	337.2	**55**
50	3104.9	9.5569	1774.6	319.9	3479.4	10.764	1789.0	320.4	3852.8	11.976	1802.1	320.8	**50**
45	3245.6	9.6194	1683.2	302.6	3635.9	10.836	1698.8	303.2	4024.8	12.059	1713.0	303.5	**45**
40	3407.6	9.6956	1591.9	284.4	3815.8	10.924	1608.6	284.9	4222.4	12.157	1623.8	285.2	**40**
35	3596.9	9.7874	1500.5	264.9	4026.0	11.030	1518.4	265.4	4453.0	12.277	1534.7	265.8	**35**
30	3822.5	9.9026	1409.1	244.1	4275.9	11.162	1428.1	244.6	4726.8	12.426	1445.6	244.9	**30**
25	4097.8	10.049	1317.7	221.4	4580.5	11.331	1337.8	221.9	5059.9	12.614	1356.3	222.4	**25**
20	4445.1	10.246	1226.2	196.5	4963.7	11.555	1247.5	197.0	5478.0	12.865	1267.1	197.4	**20**
15	4904.0	10.526	1134.6	168.3	5468.5	11.869	1157.1	168.9	6027.1	13.217	1177.7	169.4	**15**
10	5556.2	10.951	1042.9	135.4	6182.2	12.350	1066.5	136.1	6799.8	13.749	1088.2	136.8	**10**
5	6616.2	11.719	950.9	94.2	7332.3	13.203	975.7	95.2	8034.6	14.686	998.5	96.2	**5**
4	6926.5	11.959	932.4	84.3	7666.1	13.467	957.4	85.3	8390.3	14.974	980.5	86.4	**4**
3	7296.0	12.254	913.9	73.4	8061.8	13.790	939.2	74.6	8809.9	15.323	962.4	75.8	**3**
2	7751.5	12.629	895.4	61.2	8546.1	14.198	920.9	62.7	9320.1	15.763	944.4	64.0	**2**
1	8344.9	13.141	876.8	47.2	9170.2	14.748	902.5	48.9	9971.1	16.344	926.2	50.6	**1**

단위: WperA (kg/s/m2) ; Pc (bar a) ; Hc (kJ/kg) ; Velc (m/s)

주1 : 표 상단의 노즐 입구 포화 압력과 좌우측의 노즐 입구 건도는 유속이 0 인 정지 상태 기준입니다.

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표 ESStb-S15, 노즐 질식 유동 상태 (입구 포화 압력 및 건도 기준) - 5/10

건도	22 bar a (tsat = 217.26 oC)				24 bar a (tsat = 221.80 oC)				26 bar a (tsat = 226.05 oC)				건도
%	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	%
100	3125.7	12.717	2694.2	460.4	3405.7	13.878	2695.4	460.7	3685.9	15.044	2696.3	460.7	**100**
95	3198.8	12.744	2606.2	448.4	3485.1	13.910	2608.4	448.6	3771.4	15.075	2610.2	448.7	**95**
90	3277.3	12.773	2518.2	436.1	3570.3	13.943	2521.4	436.3	3863.3	15.114	2524.2	436.4	**90**
85	3362.0	12.808	2430.2	423.3	3662.0	13.981	2434.4	423.6	3962.2	15.155	2438.1	423.7	**85**
80	3453.5	12.843	2342.2	410.3	3761.3	14.022	2347.4	410.5	4069.1	15.202	2352.1	410.5	**80**
75	3553.0	12.886	2254.2	396.7	3869.2	14.069	2260.4	396.9	4185.3	15.250	2265.9	397.1	**75**
70	3661.7	12.932	2166.2	382.8	3987.0	14.118	2173.3	383.0	4312.1	15.307	2179.9	383.1	**70**
65	3781.1	12.983	2078.1	368.3	4116.3	14.177	2086.3	368.5	4451.3	15.371	2093.8	368.6	**65**
60	3913.1	13.042	1990.1	353.3	4259.3	14.241	1999.2	353.5	4605.0	15.444	2007.7	353.6	**60**
55	4060.1	13.112	1902.1	337.5	4418.3	14.318	1912.2	337.7	4776.0	15.526	1921.6	337.9	**55**
50	4225.2	13.189	1814.0	321.1	4596.9	14.406	1825.1	321.3	4967.8	15.625	1835.4	321.4	**50**
45	4412.5	13.281	1726.0	303.8	4799.3	14.508	1738.0	304.0	5185.1	15.736	1749.3	304.2	**45**
40	4627.6	13.391	1637.9	285.6	5031.4	14.628	1650.9	285.8	5434.2	15.869	1663.1	286.0	**40**
35	4878.1	13.525	1549.8	266.1	5301.7	14.778	1563.8	266.4	5723.7	16.031	1577.0	266.6	**35**
30	5175.4	13.692	1461.7	245.3	5621.8	14.959	1476.7	245.6	6066.3	16.231	1490.7	245.8	**30**
25	5536.3	13.901	1373.5	222.7	6009.9	15.191	1389.5	223.0	6481.1	16.485	1404.5	223.3	**25**
20	5988.4	14.180	1285.3	197.8	6495.1	15.498	1302.2	198.2	6998.5	16.818	1318.2	198.6	**20**
15	6580.3	14.567	1196.9	169.9	7128.5	15.920	1214.9	170.4	7672.0	17.278	1231.8	170.8	**15**
10	7409.6	15.153	1108.5	137.4	8012.1	16.559	1127.4	138.0	8607.8	17.964	1145.2	138.6	**10**
5	8724.3	16.170	1019.7	97.1	9402.4	17.655	1039.6	98.0	10069	19.138	1058.4	99.0	**5**
4	9100.2	16.482	1001.9	87.4	9797.0	17.986	1022.0	88.5	10482	19.487	1041.0	89.6	**4**
3	9541.7	16.855	984.1	77.0	10259	18.384	1004.4	78.2	10962	19.909	1023.5	79.3	**3**
2	10075	17.323	966.2	65.4	10813	18.876	986.7	66.8	11536	20.427	1006.0	68.1	**2**
1	10750	17.935	948.3	52.3	11509	19.518	969.0	53.9	12249	21.093	988.5	55.5	**1**

건도	28 bar a (tsat = 230.06 oC)				30 bar a (tsat = 233.86 oC)				32 bar a (tsat = 237.46 oC)				건도
%	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	%
100	3966.3	16.207	2696.9	460.7	4247.0	17.375	2697.2	460.6	4528.0	18.545	2697.3	460.4	**100**
95	4058.0	16.245	2611.7	448.7	4344.8	17.416	2612.9	448.6	4632.0	18.588	2613.8	448.4	**95**
90	4156.4	16.286	2526.6	436.3	4449.8	17.460	2528.6	436.3	4743.5	18.635	2530.4	436.1	**90**
85	4262.4	16.330	2441.4	423.7	4562.8	17.511	2444.3	423.5	4863.5	18.690	2446.9	423.4	**85**
80	4377.0	16.382	2356.2	410.5	4685.0	17.566	2360.1	410.4	4993.2	18.748	2363.5	410.3	**80**
75	4501.4	16.436	2271.1	397.1	4817.6	17.625	2275.7	397.0	5133.9	18.815	2280.1	396.8	**75**
70	4637.2	16.498	2185.9	383.1	4962.2	17.694	2191.5	383.0	5287.3	18.889	2196.6	382.9	**70**
65	4786.1	16.570	2100.7	368.6	5120.8	17.767	2107.1	368.6	5455.5	18.971	2113.1	368.5	**65**
60	4950.5	16.648	2015.5	353.6	5295.8	17.855	2022.8	353.5	5640.9	19.065	2029.7	353.4	**60**
55	5133.3	16.740	1930.3	337.9	5490.3	17.954	1938.5	337.9	5846.9	19.170	1946.2	337.8	**55**
50	5338.2	16.843	1845.1	321.5	5708.1	18.068	1854.1	321.5	6077.6	19.291	1862.7	321.5	**50**
45	5570.2	16.966	1759.8	304.3	5954.6	18.199	1769.8	304.3	6338.4	19.436	1779.1	304.3	**45**
40	5835.9	17.113	1674.6	286.1	6236.6	18.357	1685.4	286.2	6636.6	19.608	1695.6	286.2	**40**
35	6144.4	17.287	1589.3	266.7	6563.9	18.547	1601.0	266.9	6982.2	19.811	1612.1	266.9	**35**
30	6509.1	17.506	1504.0	246.0	6950.2	18.782	1516.5	246.2	7389.8	20.061	1528.5	246.3	**30**
25	6949.9	17.780	1418.6	223.6	7416.5	19.078	1432.1	223.8	7881.0	20.381	1444.8	223.9	**25**
20	7498.7	18.138	1333.2	198.9	7995.8	19.467	1347.5	199.2	8490.2	20.795	1361.1	199.5	**20**
15	8211.1	18.637	1247.7	171.2	8746.0	19.998	1262.9	171.7	9277.0	21.362	1277.3	172.0	**15**
10	9197.1	19.372	1162.1	139.2	9780.2	20.781	1178.1	139.8	10358	22.194	1193.4	140.4	**10**
5	10726	20.620	1076.1	99.9	11373	22.100	1093.0	100.8	12011	23.580	1109.2	101.7	**5**
4	11155	20.989	1058.9	90.6	11817	22.488	1076.0	91.6	12469	23.987	1092.3	92.6	**4**
3	11652	21.430	1041.6	80.5	12329	22.949	1058.9	81.7	12996	24.463	1075.4	82.8	**3**
2	12243	21.970	1024.3	69.5	12936	23.510	1041.8	70.8	13617	25.045	1058.4	72.1	**2**
1	12972	22.660	1007.0	57.1	13679	24.220	1024.6	58.7	14372	25.776	1041.4	60.3	**1**

단위: WperA (kg/s/m2) ; Pc (bar a) ; Hc (kJ/kg) ; Velc (m/s)

주1 : 표 상단의 노즐 입구 포화 압력과 좌우측의 노즐 입구 건도는 유속이 0 인 정지 상태 기준입니다.

주2 : WperA, Pc, Hc 및 Velc는 노즐 목(Throat)에서의 상태입니다.

주3 : 표 ESStb-S15 전체 상태는 습증기 상태로 질식 유속(Velc)이 음속과 같지 않습니다.

표 ESStb-S15, 노즐 질식 유동 상태 (입구 포화 압력 및 건도 기준) - 6/10

건도	34 bar a (tsat = 240.90 oC)				36 bar a (tsat = 244.19 oC)				38 bar a (tsat = 247.33 oC)				건도
%	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	%
100	4809.4	19.712	2697.1	460.1	5091.3	20.885	2696.8	459.8	5373.6	22.058	2696.3	459.4	**100**
95	4919.5	19.762	2614.5	448.1	5207.3	20.937	2615.0	447.8	5495.7	22.114	2615.2	447.4	**95**
90	5037.4	19.812	2531.9	435.9	5331.8	20.990	2533.1	435.6	5626.5	22.174	2534.2	435.1	**90**
85	5164.4	19.870	2449.3	423.2	5465.7	21.056	2451.3	422.8	5767.3	22.239	2453.2	422.5	**85**
80	5301.6	19.936	2366.7	410.1	5610.2	21.122	2369.5	409.9	5919.2	22.313	2372.1	409.5	**80**
75	5450.3	20.007	2284.0	396.6	5767.0	21.197	2287.7	396.4	6083.9	22.392	2291.1	396.1	**75**
70	5612.5	20.086	2201.4	382.7	5937.8	21.284	2205.8	382.5	6263.3	22.485	2210.0	382.2	**70**
65	5790.1	20.173	2118.7	368.3	6124.9	21.377	2124.0	368.2	6459.7	22.583	2128.9	367.9	**65**
60	5986.0	20.272	2036.1	353.4	6331.0	21.487	2042.2	353.2	6676.1	22.698	2047.9	353.0	**60**
55	6203.4	20.389	1953.4	337.7	6559.8	21.610	1960.3	337.6	6916.0	22.828	1966.8	337.5	**55**
50	6446.8	20.521	1870.7	321.4	6815.6	21.750	1878.4	321.3	7184.3	22.981	1885.7	321.2	**50**
45	6721.7	20.675	1788.1	304.3	7104.5	21.913	1796.5	304.2	7486.9	23.158	1804.6	304.1	**45**
40	7035.8	20.858	1705.3	286.2	7434.3	22.111	1714.6	286.1	7832.1	23.362	1723.4	286.1	**40**
35	7399.5	21.078	1622.6	266.9	7815.8	22.344	1632.7	267.0	8231.3	23.612	1642.3	267.0	**35**
30	7828.0	21.343	1539.8	246.4	8264.8	22.629	1550.7	246.5	8700.3	23.918	1561.1	246.5	**30**
25	8343.5	21.684	1457.0	224.1	8804.3	22.990	1468.6	224.3	9263.2	24.299	1479.8	224.4	**25**
20	8981.9	22.124	1374.1	199.7	9471.0	23.455	1386.6	200.0	9957.7	24.791	1398.5	200.2	**20**
15	9804.3	22.725	1291.1	172.4	10328	24.093	1304.4	172.8	10848	25.459	1317.1	173.2	**15**
10	10930	23.605	1208.0	141.0	11496	25.015	1222.0	141.6	12058	26.428	1235.6	142.1	**10**
5	12640	25.058	1124.6	102.6	13261	26.532	1139.5	103.6	13874	28.010	1153.8	104.4	**5**
4	13111	25.481	1107.9	93.6	13744	26.971	1122.9	94.7	14368	28.460	1137.3	95.7	**4**
3	13651	25.975	1091.1	84.0	14296	27.485	1106.3	85.1	14932	28.989	1120.9	86.3	**3**
2	14285	26.577	1074.4	73.5	14942	28.100	1089.7	74.8	15587	29.619	1104.4	76.1	**2**
1	15051	27.320	1057.5	61.8	15717	28.861	1073.0	63.4	16370	30.394	1087.9	64.9	**1**

건도	40 bar a (tsat = 250.36 oC)				42 bar a (tsat = 253.27 oC)				44 bar a (tsat = 256.07 oC)				건도
%	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	%
100	5656.4	23.229	2695.5	459.0	5939.8	24.405	2694.7	458.5	6223.7	25.583	2693.8	458.0	**100**
95	5784.5	23.292	2615.3	447.0	6073.8	24.472	2615.2	446.5	6363.6	25.653	2615.0	446.0	**95**
90	5921.7	23.356	2535.0	434.8	6217.4	24.539	2535.7	434.3	6513.5	25.723	2536.2	433.9	**90**
85	6069.3	23.424	2454.8	422.2	6371.7	24.615	2456.2	421.7	6674.6	25.803	2457.4	421.3	**85**
80	6228.5	23.502	2374.5	409.2	6538.3	24.698	2376.7	408.8	6848.4	25.889	2378.6	408.4	**80**
75	6401.1	23.590	2294.2	395.8	6718.7	24.790	2297.1	395.4	7036.6	25.986	2299.8	395.1	**75**
70	6589.1	23.688	2213.9	381.9	6915.1	24.892	2217.6	381.6	7241.4	26.094	2221.0	381.3	**70**
65	6794.7	23.795	2133.6	367.6	7130.0	25.005	2138.0	367.3	7465.4	26.217	2142.2	367.0	**65**
60	7021.2	23.917	2053.3	352.7	7366.4	25.133	2058.4	352.5	7711.8	26.357	2063.4	352.1	**60**
55	7272.2	24.054	1973.0	337.2	7628.5	25.282	1978.9	337.0	7984.7	26.512	1984.5	336.7	**55**
50	7552.7	24.215	1892.6	321.0	7921.0	25.451	1899.3	320.8	8289.2	26.690	1905.6	320.6	**50**
45	7869.0	24.401	1812.3	304.0	8250.7	25.646	1819.7	303.9	8632.2	26.899	1826.8	303.6	**45**
40	8229.5	24.620	1731.9	286.0	8626.3	25.882	1740.0	285.9	9022.6	27.141	1747.9	285.8	**40**
35	8645.8	24.884	1651.5	267.0	9059.6	26.159	1660.4	266.9	9472.7	27.436	1668.9	266.8	**35**
30	9134.7	25.206	1571.1	246.6	9567.9	26.497	1580.7	246.6	10000	27.791	1590.0	246.6	**30**
25	9720.5	25.607	1490.6	224.6	10176	26.917	1500.9	224.7	10630	28.237	1511.0	224.7	**25**
20	10442	26.129	1410.0	200.4	10924	27.466	1421.1	200.7	11404	28.806	1431.9	200.9	**20**
15	11365	26.827	1329.4	173.6	11878	28.199	1341.2	173.9	12389	29.574	1352.7	174.3	**15**
10	12614	27.843	1248.6	142.7	13166	29.255	1261.2	143.3	13713	30.670	1273.4	143.8	**10**
5	14479	29.479	1167.5	105.4	15077	30.952	1180.9	106.3	15668	32.421	1193.8	107.2	**5**
4	14984	29.948	1151.3	96.7	15591	31.434	1164.8	97.7	16191	32.915	1177.9	98.7	**4**
3	15558	30.490	1135.0	87.4	16174	31.988	1148.7	88.5	16783	33.484	1161.9	89.7	**3**
2	16223	31.134	1118.7	77.4	16848	32.649	1132.5	78.6	17463	34.156	1145.9	79.9	**2**
1	17012	31.925	1102.4	66.4	17643	33.449	1116.3	67.8	18264	34.961	1129.8	69.3	**1**

단위: WperA (kg/s/m2) ; Pc (bar a) ; Hc (kJ/kg) ; Velc (m/s)

주1 : 표 상단의 노즐 입구 포화 압력과 좌우측의 노즐 입구 건도는 유속이 0 인 정지 상태 기준입니다.

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표 ESStb-S15, 노즐 질식 유동 상태 (입구 포화 압력 및 건도 기준) - 7/10

건도	46 bar a (tsat = 258.78 oC)				48 bar a (tsat = 261.40 oC)				50 bar a (tsat = 263.94 oC)				건도
%	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	%
100	6508.2	26.763	2692.7	457.4	6793.3	27.944	2691.5	456.8	7079.1	29.126	2690.2	456.2	**100**
95	6654.1	26.836	2614.6	445.5	6945.1	28.020	2614.1	444.9	7236.7	29.205	2613.5	444.3	**95**
90	6810.2	26.909	2536.5	433.4	7107.5	28.096	2536.8	432.8	7405.4	29.291	2536.9	432.2	**90**
85	6978.1	26.993	2458.5	420.8	7282.0	28.190	2459.4	420.3	7586.5	29.382	2460.2	419.8	**85**
80	7159.0	27.088	2380.4	407.9	7470.1	28.283	2382.0	407.5	7781.7	29.486	2383.5	406.9	**80**
75	7355.0	27.189	2302.3	394.6	7673.7	28.395	2304.7	394.1	7993.0	29.596	2306.8	393.7	**75**
70	7568.1	27.302	2224.2	380.9	7895.1	28.512	2227.2	380.5	8222.6	29.724	2230.1	380.0	**70**
65	7801.1	27.431	2146.1	366.6	8137.1	28.647	2149.8	366.3	8473.5	29.865	2153.4	365.9	**65**
60	8057.4	27.577	2068.0	351.8	8403.1	28.799	2072.4	351.5	8749.1	30.029	2076.7	351.1	**60**
55	8341.0	27.740	1989.9	336.5	8697.4	28.975	1995.0	336.1	9054.0	30.206	2000.0	335.8	**55**
50	8657.4	27.931	1911.7	320.3	9025.5	29.174	1917.6	320.1	9393.6	30.414	1923.2	319.8	**50**
45	9013.5	28.150	1833.6	303.5	9394.5	29.403	1840.1	303.2	9775.5	30.658	1846.5	303.0	**45**
40	9418.5	28.408	1755.4	285.6	9814.0	29.672	1762.7	285.5	10209	30.939	1769.7	285.4	**40**
35	9885.1	28.711	1677.2	266.8	10297	29.994	1685.2	266.7	10708	31.274	1692.9	266.6	**35**
30	10431	29.087	1598.9	246.6	10861	30.381	1607.6	246.6	11290	31.683	1616.0	246.6	**30**
25	11083	29.553	1520.6	224.8	11534	30.867	1530.0	225.0	11984	32.190	1539.1	225.0	**25**
20	11882	30.149	1442.3	201.1	12357	31.489	1452.4	201.3	12831	32.837	1462.2	201.5	**20**
15	12896	30.946	1363.8	174.6	13401	32.321	1374.6	175.0	13902	33.698	1385.1	175.3	**15**
10	14256	32.086	1285.2	144.4	14795	33.498	1296.7	145.0	15329	34.918	1307.9	145.5	**10**
5	16252	33.888	1206.4	108.1	16829	35.356	1218.6	109.0	17400	36.816	1230.4	109.9	**5**
4	16783	34.394	1190.6	99.7	17368	35.871	1202.9	100.7	17946	37.341	1214.9	101.7	**4**
3	17383	34.972	1174.7	90.8	17975	36.463	1187.2	91.9	18559	37.946	1199.4	93.0	**3**
2	18070	35.657	1158.9	81.2	18668	37.155	1171.5	82.5	19257	38.647	1183.8	83.7	**2**
1	18874	36.477	1143.0	70.8	19475	37.981	1155.7	72.2	20067	39.478	1168.2	73.7	**1**

건도	55 bar a (tsat = 269.97 oC)				60 bar a (tsat = 275.59 oC)				65 bar a (tsat = 280.86 oC)				건도
%	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	%
100	7796.6	32.085	2686.4	454.5	8518.8	35.060	2682.2	452.6	9245.9	38.044	2677.4	450.5	**100**
95	7968.7	32.172	2611.5	442.8	8705.2	35.155	2608.8	440.9	9446.5	38.148	2605.6	439.0	**95**
90	8152.8	32.273	2536.5	430.6	8904.4	35.265	2535.5	428.9	9660.8	38.267	2533.9	427.1	**90**
85	8350.3	32.374	2461.5	418.3	9118.2	35.382	2462.1	416.6	9890.5	38.401	2462.1	414.8	**85**
80	8563.1	32.495	2386.5	405.5	9348.3	35.514	2388.8	403.9	10138	38.544	2390.4	402.3	**80**
75	8793.2	32.622	2311.6	392.3	9596.9	35.653	2315.4	390.9	10404	38.695	2318.6	389.4	**75**
70	9043.1	32.763	2236.5	378.8	9866.7	35.814	2242.1	377.4	10694	38.870	2246.8	376.0	**70**
65	9315.9	32.924	2161.5	364.7	10161	35.990	2168.7	363.4	11009	39.068	2175.1	362.1	**65**
60	9615.3	33.099	2086.5	350.1	10484	36.188	2095.3	349.0	11354	39.282	2103.3	347.8	**60**
55	9946.1	33.300	2011.5	334.9	10840	36.415	2022.0	333.9	11735	39.528	2031.5	332.9	**55**
50	10314	33.535	1936.4	319.0	11235	36.671	1948.5	318.1	12157	39.814	1959.7	317.2	**50**
45	10727	33.804	1861.4	302.4	11679	36.964	1875.1	301.7	12630	40.139	1887.8	300.9	**45**
40	11196	34.119	1786.3	284.9	12181	37.308	1801.6	284.3	13164	40.512	1816.0	283.7	**40**
35	11733	34.489	1711.1	266.3	12755	37.719	1728.2	266.0	13775	40.956	1744.1	265.6	**35**
30	12359	34.938	1636.0	246.5	13423	38.209	1654.6	246.4	14482	41.488	1672.2	246.2	**30**
25	13103	35.496	1560.8	225.2	14214	38.817	1581.1	225.3	15317	42.147	1600.2	225.4	**25**
20	14007	36.207	1485.5	201.9	15171	39.586	1507.4	202.4	16325	42.964	1528.1	202.9	**20**
15	15144	37.141	1410.1	176.2	16370	40.590	1433.7	177.1	17579	44.043	1456.0	177.9	**15**
10	16647	38.450	1334.6	146.9	17941	41.989	1359.8	148.3	19212	45.519	1383.7	149.8	**10**
5	18800	40.464	1258.9	112.2	20164	44.098	1285.7	114.5	21494	47.717	1311.2	116.7	**5**
4	19361	41.014	1243.7	104.2	20737	44.669	1270.9	106.7	22076	48.304	1296.7	109.3	**4**
3	19987	41.639	1228.5	95.8	21373	45.314	1256.0	98.6	22719	48.962	1282.2	101.4	**3**
2	20695	42.364	1213.2	86.9	22087	46.046	1241.1	90.0	23435	49.708	1267.6	93.1	**2**
1	21508	43.210	1198.0	77.2	22899	46.903	1226.2	80.8	24244	50.573	1253.0	84.3	**1**

단위: WperA (kg/s/m2) ; Pc (bar a) ; Hc (kJ/kg) ; Velc (m/s)

주1 : 표 상단의 노즐 입구 포화 압력과 좌우측의 노즐 입구 건도는 유속이 0 인 정지 상태 기준입니다.

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표 ESStb-S15, 노즐 질식 유동 상태 (입구 포화 압력 및 건도 기준) - 8/10

건도	70 bar a (tsat = 285.83 oC)				75 bar a (tsat = 290.54 oC)				80 bar a (tsat = 295.01 oC)				건도
%	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	%
100	9978.4	41.030	2672.0	448.4	10717	44.034	2666.3	446.1	11461	47.057	2660.2	443.6	**100**
95	10193	41.150	2601.9	436.9	10945	44.171	2597.7	434.6	11703	47.194	2593.1	432.3	**95**
90	10422	41.287	2531.7	425.0	11189	44.308	2529.1	423.0	11961	47.350	2526.0	420.7	**90**
85	10668	41.423	2461.5	413.0	11450	44.464	2460.4	411.0	12237	47.516	2458.8	408.8	**85**
80	10931	41.586	2391.4	400.5	11730	44.638	2391.8	398.6	12534	47.701	2391.7	396.6	**80**
75	11216	41.757	2321.2	387.6	12032	44.821	2323.1	385.9	12853	47.907	2324.5	384.0	**75**
70	11525	41.945	2250.9	374.4	12360	45.032	2254.4	372.7	13199	48.131	2257.3	371.0	**70**
65	11860	42.158	2180.7	360.7	12715	45.261	2185.7	359.2	13575	48.375	2190.2	357.6	**65**
60	12228	42.397	2110.5	346.4	13105	45.517	2117.0	345.1	13985	48.658	2123.0	343.6	**60**
55	12632	42.662	2040.3	331.7	13532	45.810	2048.3	330.4	14435	48.961	2055.7	329.2	**55**
50	13081	42.970	1970.0	316.2	14006	46.140	1979.6	315.2	14933	49.323	1988.5	314.0	**50**
45	13582	43.320	1899.7	300.1	14534	46.515	1910.8	299.2	15488	49.723	1921.3	298.3	**45**
40	14147	43.730	1829.4	283.1	15130	46.954	1842.1	282.4	16111	50.192	1854.0	281.7	**40**
35	14792	44.209	1759.1	265.1	15807	47.467	1773.3	264.7	16820	50.739	1786.7	264.2	**35**
30	15537	44.782	1688.7	246.0	16588	48.080	1704.4	245.8	17635	51.393	1719.4	245.6	**30**
25	16414	45.482	1618.3	225.5	17504	48.831	1635.5	225.6	18588	52.184	1652.0	225.7	**25**
20	17468	46.362	1547.8	203.3	18601	49.756	1566.6	203.7	19725	53.160	1584.5	204.2	**20**
15	18774	47.499	1477.2	178.8	19954	50.955	1497.5	179.7	21119	54.410	1517.0	180.6	**15**
10	20460	49.045	1406.5	151.2	21688	52.576	1428.4	152.7	22895	56.090	1449.4	154.1	**10**
5	22792	51.327	1335.6	119.0	24058	54.919	1359.0	121.3	25296	58.492	1381.5	123.6	**5**
4	23380	51.925	1321.4	111.8	24651	55.524	1345.1	114.3	25891	59.108	1367.9	116.9	**4**
3	24027	52.592	1307.2	104.2	25299	56.201	1331.2	107.0	26538	59.791	1354.3	109.8	**3**
2	24743	53.352	1292.9	96.2	26013	56.961	1317.2	99.3	27248	60.553	1340.7	102.3	**2**
1	25546	54.207	1278.6	87.7	26808	57.822	1303.3	91.1	28033	61.403	1327.0	94.5	**1**

건도	85 bar a (tsat = 299.27 oC)				90 bar a (tsat = 303.35 oC)				95 bar a (tsat = 307.25 oC)				건도
%	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	%
100	12212	50.081	2653.7	441.0	12970	53.125	2646.8	438.3	13735	56.169	2639.5	435.6	**100**
95	12468	50.236	2588.1	429.8	13239	53.290	2582.6	427.3	14017	56.354	2576.8	424.6	**95**
90	12740	50.402	2522.4	418.4	13525	53.466	2518.5	415.9	14317	56.540	2514.1	413.4	**90**
85	13031	50.579	2456.7	406.6	13831	53.663	2454.3	404.3	14638	56.749	2451.4	401.9	**85**
80	13344	50.776	2391.1	394.5	14159	53.872	2390.1	392.3	14981	56.981	2388.7	390.0	**80**
75	13680	50.994	2325.4	382.1	14512	54.103	2325.9	380.0	15350	57.224	2325.9	377.9	**75**
70	14043	51.243	2259.7	369.1	14893	54.366	2261.7	367.2	15748	57.502	2263.2	365.3	**70**
65	14438	51.502	2194.0	355.9	15306	54.641	2197.4	354.2	16179	57.804	2200.4	352.3	**65**
60	14868	51.803	2128.3	342.1	15756	54.960	2133.2	340.5	16649	58.140	2137.6	338.8	**60**
55	15341	52.135	2062.6	327.8	16250	55.322	2069.0	326.3	17163	58.511	2074.8	324.9	**55**
50	15862	52.509	1996.9	312.9	16794	55.718	2004.7	311.7	17728	58.940	2012.0	310.4	**50**
45	16442	52.944	1931.1	297.3	17398	56.179	1940.4	296.3	18356	59.416	1949.2	295.2	**45**
40	17093	53.442	1865.3	280.9	18075	56.707	1876.1	280.1	19058	59.973	1886.4	279.3	**40**
35	17831	54.023	1799.5	263.7	18841	57.322	1811.8	263.1	19850	60.622	1823.5	262.6	**35**
30	18678	54.708	1733.7	245.4	19718	58.047	1747.4	245.1	20755	61.376	1760.6	244.8	**30**
25	19666	55.549	1667.8	225.7	20737	58.915	1683.0	225.8	21803	62.292	1697.6	225.9	**25**
20	20839	56.566	1601.8	204.6	21944	59.980	1618.5	205.1	23040	63.405	1634.6	205.5	**20**
15	22271	57.873	1535.8	181.5	23409	61.332	1553.9	182.4	24534	64.797	1571.5	183.3	**15**
10	24083	59.606	1469.6	155.6	25250	63.112	1489.2	157.2	26399	66.617	1508.3	158.7	**10**
5	26505	62.054	1403.3	126.0	27687	65.594	1424.4	128.3	28843	69.122	1444.9	130.7	**5**
4	27100	62.677	1390.0	119.4	28280	66.221	1411.4	122.0	29433	69.749	1432.2	124.6	**4**
3	27745	63.362	1376.7	112.5	28921	66.902	1398.4	115.4	30068	70.433	1419.5	118.2	**3**
2	28449	64.119	1363.4	105.4	29617	67.660	1385.4	108.5	30754	71.187	1406.8	111.5	**2**
1	29222	64.960	1350.0	97.9	30378	68.495	1372.3	101.3	31501	72.010	1394.0	104.6	**1**

단위: WperA (kg/s/m2) ; Pc (bar a) ; Hc (kJ/kg) ; Velc (m/s)

주1 : 표 상단의 노즐 입구 포화 압력과 좌우측의 노즐 입구 건도는 유속이 0 인 정지 상태 기준입니다.

주2 : WperA, Pc, Hc 및 Velc는 노즐 목(Throat)에서의 상태입니다.

주3 : 표 ESStb-S15 전체 상태는 습증기 상태로 질식 유속(Velc)이 음속과 같지 않습니다.

표 ESStb-S15, 노즐 질식 유동 상태 (입구 포화 압력 및 건도 기준) - 9/10

건도	100 bar a (tsat = 311.00 oC)				110 bar a (tsat = 318.08 oC)				120 bar a (tsat = 324.68 oC)				건도
%	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	%
100	14509	59.235	2631.8	432.7	16081	65.413	2615.4	426.6	17691	71.637	2597.3	420.1	**100**
95	14803	59.430	2570.6	421.9	16400	65.627	2557.0	416.0	18035	71.886	2541.9	409.8	**95**
90	15117	59.625	2509.3	410.8	16740	65.856	2498.7	405.2	18399	72.135	2486.4	399.3	**90**
85	15451	59.857	2448.1	399.4	17102	66.097	2440.3	394.2	18787	72.413	2431.0	388.5	**85**
80	15809	60.089	2386.8	387.7	17488	66.366	2381.9	382.8	19201	72.706	2375.5	377.4	**80**
75	16194	60.358	2325.5	375.7	17903	66.661	2323.5	371.0	19643	73.029	2320.0	366.1	**75**
70	16609	60.651	2264.2	363.2	18349	66.984	2265.1	359.0	20119	73.395	2264.5	354.3	**70**
65	17057	60.968	2202.9	350.4	18832	67.346	2206.7	346.5	20632	73.776	2209.0	342.3	**65**
60	17546	61.322	2141.6	337.2	19355	67.736	2148.3	333.6	21187	74.215	2153.5	329.8	**60**
55	18079	61.725	2080.3	323.4	19925	68.179	2089.9	320.2	21791	74.698	2098.0	316.8	**55**
50	18666	62.164	2018.9	309.1	20551	68.676	2031.4	306.3	22451	75.226	2042.4	303.4	**50**
45	19316	62.677	1957.5	294.1	21241	69.226	1972.9	291.9	23177	75.826	1986.9	289.4	**45**
40	20041	63.263	1896.1	278.5	22009	69.857	1914.4	276.7	23982	76.515	1931.3	274.8	**40**
35	20858	63.934	1834.7	262.0	22870	70.596	1855.9	260.8	24880	77.291	1875.6	259.5	**35**
30	21788	64.728	1773.3	244.5	23846	71.442	1797.4	244.0	25893	78.199	1820.0	243.3	**30**
25	22864	65.668	1711.7	226.0	24967	72.449	1738.7	226.1	27049	79.254	1764.3	226.3	**25**
20	24127	66.815	1650.2	206.0	26274	73.671	1680.1	206.9	28386	80.529	1708.6	208.0	**20**
15	25646	68.256	1588.5	184.2	27831	75.175	1621.4	186.2	29963	82.081	1652.7	188.2	**15**
10	27529	70.111	1526.8	160.2	29735	77.081	1562.5	163.4	31868	84.015	1596.9	166.7	**10**
5	29973	72.638	1464.9	133.1	32158	79.619	1503.6	137.9	34248	86.534	1540.8	142.9	**5**
4	30558	73.261	1452.5	127.1	32730	80.237	1491.8	132.4	34801	87.135	1529.6	137.7	**4**
3	31186	73.944	1440.1	121.0	33339	80.895	1479.9	126.7	35387	87.780	1518.4	132.4	**3**
2	31861	74.677	1427.7	114.6	33990	81.620	1468.1	120.7	36009	88.468	1507.2	127.0	**2**
1	32593	75.494	1415.2	107.9	34689	82.399	1456.3	114.6	36671	89.200	1495.9	121.4	**1**

건도	130 bar a (tsat = 330.86 oC)				140 bar a (tsat = 336.67 oC)				150 bar a (tsat = 342.16 oC)				건도
%	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	%
100	19346	77.939	2577.6	413.1	21052	84.310	2555.9	405.5	22820	90.771	2532.0	397.3	**100**
95	19712	78.209	2525.1	403.1	21439	84.601	2506.4	395.8	23226	91.083	2485.6	388.0	**95**
90	20100	78.479	2472.6	392.9	21849	84.908	2456.9	386.0	23655	91.412	2439.1	378.6	**90**
85	20512	78.781	2420.0	382.5	22283	85.233	2407.3	376.0	24109	91.779	2392.7	368.9	**85**
80	20950	79.114	2367.5	371.7	22745	85.592	2357.8	365.6	24591	92.145	2346.3	359.1	**80**
75	21419	79.463	2314.9	360.8	23237	85.968	2308.3	355.1	25103	92.566	2299.8	348.9	**75**
70	21922	79.860	2262.4	349.4	23763	86.395	2258.7	344.1	25650	93.005	2253.4	338.5	**70**
65	22463	80.272	2209.8	337.8	24328	86.857	2209.2	332.9	26235	93.500	2206.9	327.7	**65**
60	23046	80.748	2157.3	325.7	24937	87.352	2159.6	321.3	26864	94.031	2160.4	316.7	**60**
55	23679	81.256	2104.7	313.3	25595	87.899	2110.0	309.4	27541	94.598	2113.9	305.3	**55**
50	24370	81.843	2052.1	300.3	26309	88.514	2060.4	297.0	28274	95.239	2067.4	293.5	**50**
45	25126	82.478	1999.4	286.9	27090	89.181	2010.7	284.2	29072	95.953	2020.9	281.3	**45**
40	25961	83.208	1946.8	272.8	27947	89.950	1961.1	270.8	29944	96.741	1974.4	268.6	**40**
35	26888	84.033	1894.1	258.2	28896	90.822	1911.4	256.7	30903	97.638	1927.8	255.3	**35**
30	27929	84.985	1841.4	242.7	29954	91.796	1861.7	242.1	31967	98.645	1881.2	241.4	**30**
25	29108	86.096	1788.7	226.4	31145	92.941	1812.0	226.6	33157	99.799	1834.6	226.9	**25**
20	30462	87.397	1735.9	209.0	32502	94.257	1762.2	210.2	34500	101.14	1787.9	211.5	**20**
15	32043	88.969	1683.0	190.4	34069	95.846	1712.4	192.7	36037	102.69	1741.2	195.2	**15**
10	33928	90.905	1630.1	170.2	35915	97.760	1662.5	173.8	37822	104.56	1694.4	177.7	**10**
5	36242	93.380	1577.0	147.9	38141	100.15	1612.5	153.2	39940	106.85	1647.6	158.7	**5**
4	36773	93.951	1566.4	143.2	38645	100.70	1602.5	148.8	40414	107.36	1638.2	154.7	**4**
3	37332	94.570	1555.8	138.3	39173	101.28	1592.5	144.4	40907	107.91	1628.8	150.6	**3**
2	37921	95.221	1545.1	133.3	39727	101.90	1582.5	139.8	41422	108.48	1619.4	146.4	**2**
1	38545	95.919	1534.5	128.2	40309	102.56	1572.4	135.1	41959	109.08	1610.0	142.2	**1**

단위: WperA (kg/s/m2) ; Pc (bar a) ; Hc (kJ/kg) ; Velc (m/s)

주1 : 표 상단의 노즐 입구 포화 압력과 좌우측의 노즐 입구 건도는 유속이 0 인 정지 상태 기준입니다.

주2 : WperA, Pc, Hc 및 Velc는 노즐 목(Throat)에서의 상태입니다.

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표 ESStb-S15, 노즐 질식 유동 상태 (입구 포화 압력 및 건도 기준) - 10/10

건도	160 bar a (tsat = 347.36 oC)				180 bar a (tsat = 356.99 oC)				200 bar a (tsat = 365.75 oC)				건도
%	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	WperA	Pc	Hc	Velc	%
100	24663	97.350	2505.4	388.2	28652	110.86	2442.0	367.4	33355	125.20	2353.7	339.7	**100**
95	25085	97.682	2462.3	379.4	29095	111.23	2406.0	359.6	33788	125.59	2326.6	333.4	**95**
90	25531	98.033	2419.1	370.4	29561	111.61	2369.9	351.8	34239	125.98	2299.5	327.0	**90**
85	26001	98.405	2375.9	361.3	30051	112.02	2333.8	343.7	34708	126.40	2272.4	320.6	**85**
80	26500	98.815	2332.7	351.8	30566	112.46	2297.8	335.4	35199	126.86	2245.3	313.9	**80**
75	27028	99.244	2289.5	342.2	31109	112.95	2261.7	327.0	35711	127.33	2218.1	307.2	**75**
70	27591	99.713	2246.2	332.3	31684	113.45	2225.6	318.3	36247	127.81	2191.0	300.4	**70**
65	28191	100.22	2203.0	322.2	32292	114.00	2189.5	309.5	36809	128.33	2163.8	293.4	**65**
60	28834	100.79	2159.8	311.7	32939	114.57	2153.4	300.4	37400	128.89	2136.7	286.3	**60**
55	29524	101.39	2116.5	300.9	33627	115.21	2117.3	291.1	38021	129.47	2109.5	279.0	**55**
50	30268	102.06	2073.3	289.7	34363	115.89	2081.2	281.5	38675	130.11	2082.4	271.5	**50**
45	31074	102.78	2030.0	278.2	35151	116.64	2045.0	271.6	39366	130.79	2055.2	263.9	**45**
40	31951	103.60	1986.7	266.2	35999	117.45	2008.9	261.4	40098	131.50	2028.0	256.1	**40**
35	32910	104.50	1943.4	253.8	36915	118.33	1972.7	250.8	40874	132.28	2000.8	248.0	**35**
30	33967	105.51	1900.0	240.8	37909	119.32	1936.5	239.9	41700	133.11	1973.6	239.8	**30**
25	35140	106.67	1856.6	227.3	38993	120.39	1900.3	228.6	42582	133.99	1946.4	231.3	**25**
20	36454	107.97	1813.2	213.0	40184	121.60	1864.0	216.7	43527	134.97	1919.2	222.6	**20**
15	37940	109.50	1769.8	197.9	41500	122.99	1827.8	204.3	44542	136.02	1891.9	213.5	**15**
10	39644	111.30	1726.3	181.8	42969	124.53	1791.5	191.3	45638	137.19	1864.7	204.1	**10**
5	41630	113.44	1682.7	164.5	44623	126.33	1755.1	177.5	46828	138.46	1837.4	194.4	**5**
4	42070	113.93	1674.0	160.8	44980	126.70	1747.9	174.7	47078	138.73	1832.0	192.5	**4**
3	42525	114.44	1665.3	157.1	45346	127.12	1740.6	171.8	47333	139.00	1826.5	190.5	**3**
2	42997	114.95	1656.5	153.4	45723	127.54	1733.3	168.8	47592	139.29	1821.0	188.4	**2**
1	43488	115.49	1647.8	149.6	46111	127.95	1726.0	165.9	47856	139.56	1815.6	186.4	**1**

건도	220 bar a (tsat = 373.71 oC)						건도
%	WperA	Pc	Hc	Velc			%
100	41874	143.39	2126.7	273.7			**100**
95	42049	143.55	2120.1	271.9			**95**
90	42227	143.74	2113.5	270.0			**90**
85	42407	143.90	2106.9	268.2			**85**
80	42589	144.09	2100.3	266.4			**80**
75	42774	144.27	2093.6	264.5			**75**
70	42961	144.46	2087.0	262.6			**70**
65	43151	144.65	2080.4	260.7			**65**
60	43344	144.84	2073.8	258.8			**60**
55	43540	145.03	2067.2	256.9			**55**
50	43738	145.24	2060.5	255.0			**50**
45	43939	145.43	2053.9	253.1			**45**
40	44143	145.64	2047.3	251.1			**40**
35	44350	145.86	2040.7	249.1			**35**
30	44561	146.05	2034.0	247.2			**30**
25	44774	146.26	2027.4	245.2			**25**
20	44991	146.50	2020.8	243.2			**20**
15	45211	146.72	2014.2	241.2			**15**
10	45435	146.96	2007.6	239.1			**10**
5	45662	147.17	2000.9	237.1			**5**
4	45708	147.23	1999.6	236.7			**4**
3	45754	147.28	1998.3	236.3			**3**
2	45800	147.31	1996.9	235.9			**2**
1	45846	147.36	1995.6	235.5			**1**

단위: WperA (kg/s/m2) ; Pc (bar a) ; Hc (kJ/kg) ; Velc (m/s)

주1 : 표 상단의 노즐 입구 포화 압력과 좌우측의 노즐 입구 건도는 유속이 0 인 정지 상태 기준입니다.

주2 : WperA, Pc, Hc 및 Velc는 노즐 목(Throat)에서의 상태입니다.

주3 : 표 ESStb-S15 전체 상태는 습증기 상태로 질식 유속(Velc)이 음속과 같지 않습니다.