

Table 2. For ASME Standard CL300 V_a

SERVICE TEMP (°C)	WORKING PRESSURE (KG/CM ²)														
	LCC	LF2	WCC	WC6	WC9	C12A	CF8 / SS304 @	CF8M / SS316 @	CF3M	316L	CG8M	SS 317 @	CF 8C @	SS347	CK3MCuN CD3MN CD3MWCu
-20 TO 39	52.7	52.0	52.7	52.7	52.7	52.7	50.6	50.6	50.6	42.2	50.6	50.6	50.6	50.6	52.7
93	52.7	47.8	52.7	52.7	52.7	52.7	42.2	43.6	43.6	35.9	43.6	43.6	46.4	46.4	52.4
149	51.3	46.1	51.3	50.6	51.3	51.3	38.0	39.4	39.4	32.0	39.4	39.4	43.2	43.2	46.8
204	49.6	44.6	49.6	48.9	49.6	49.6	34.8	36.2	36.2	29.5	36.2	36.2	40.4	40.4	43.2
260	46.8	42.5	46.8	46.8	46.8	46.8	32.7	33.7	33.7	27.8	33.7	33.7	38.0	38.0	40.8
316	42.5	40.1	42.5	42.5	42.5	42.5	30.9	31.6	31.6	26.0	31.6	31.6	36.2	36.2	39.0
343	41.5	38.7	41.5	41.5	41.5	41.5	30.2	30.9	30.9	25.7	30.9	30.9	35.5	35.5	38.3
371	---	37.3	39.0	40.1	40.1	40.1	29.5	30.6	30.6	25.3	30.6	30.6	34.8	34.8	38.0
399	---	35.5	35.5	37.3	37.3	37.3	29.2	29.9	29.9	25.0	29.9	29.9	34.5	34.5	37.3
427	---	28.8	28.8	35.9	35.9	35.9	28.5	29.5	29.5	24.3	29.5	29.5	34.1	34.1	---
454	---	---	---	34.1	34.1	34.1	27.8	29.5	29.5	23.9	29.5	29.5	34.1	34.1	---
482	---	---	---	31.6	31.6	31.6	27.4	29.2	---	---	29.2	29.2	31.6	31.6	---
510	---	---	---	22.5	27.1	27.1	26.7	27.1	---	---	27.1	27.1	27.1	27.1	---
538	---	---	---	15.1	18.6	25.7	25.0	25.7	---	---	25.7	25.7	25.7	25.7	---
566	---	---	---	10.2	12.3	25.3	22.8	25.3	---	---	---	25.3	25.3	---	---
593	---	---	---	6.7	7.7	21.1	17.9	21.4	---	---	---	21.4	21.8	---	---
621	---	---	---	---	---	15.8	14.4	16.5	---	---	---	16.5	14.8	---	---
649	---	---	---	---	---	10.2	11.6	13.0	---	---	---	13.0	10.5	---	---
677	---	---	---	---	---	---	9.5	10.2	---	---	---	10.2	8.1	---	---
704	---	---	---	---	---	---	8.1	8.1	---	---	---	8.1	5.3	---	---
732	---	---	---	---	---	---	6.7	6.7	---	---	---	6.7	3.5	---	---
760	---	---	---	---	---	---	5.3	5.3	---	---	---	5.3	2.8	---	---
788	---	---	---	---	---	---	4.2	4.2	---	---	---	4.2	2.1	---	---
816	---	---	---	---	---	---	2.8	2.8	---	---	---	2.8	1.8	---	---

Table information is extracted from the Valve—Flanged, Threaded, and Welding End ASME Standard B16.34 2 .2013. This table is in accordance with the E standard. The user is advised that a valve used under the jurisdiction of the ASME Boiler and Pressure Vessel Code for Pressure Piping, or governmental regulations is subject to any limitation of that code or regulation. This includes any maximum temperature limitation for a material or rule governing the use of a material at a low temperature.

#. Flanged end ratings terminate at 1°F.

@. At temperatures over 1000 use material only when carbon content is 0.04% or higher.

