

Table 3. For ASME Standard CL600 Valves

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	CK3M/CUN CD3M/N CD3M/WCu
-20 TO 39	105.5	104.1	105.5	105.5	105.5	105.5	101.2	101.2	101.2	84.4	101.2	101.2	101.2	101.2	105.5
93	105.5	95.6	105.5	105.5	105.5	105.5	84.4	87.2	87.2	71.7	87.2	87.2	93.2	93.2	104.8
149	102.5	92.1	102.5	101.6	102.5	102.5	75.6	78.7	78.7	64.0	78.7	78.7	86.8	86.8	93.9
204	98.8	88.9	98.8	97.4	99.1	99.1	70.0	72.1	72.1	59.1	72.1	72.1	80.9	80.9	86.5
260	93.5	84.7	93.5	93.5	93.5	93.5	65.4	67.1	67.1	55.2	67.1	67.1	76.3	76.3	81.6
316	85.1	79.8	85.1	85.1	85.1	85.1	62.2	63.3	63.3	52.4	63.3	63.3	72.4	72.4	78.4
343	82.6	77.3	82.6	82.6	82.6	82.6	60.8	62.2	62.2	51.3	62.2	62.2	71.4	71.4	77.0
371	---	74.5	78.0	79.8	79.8	79.8	59.4	61.2	61.2	50.6	61.2	61.2	70.0	70.0	76.3
399	---	71.4	71.4	74.9	74.9	74.9	58.0	60.1	60.1	49.6	60.1	60.1	69.3	69.3	74.9
427	---	58.0	58.0	71.4	71.4	71.4	56.9	59.4	59.4	48.5	59.4	59.4	68.5	68.5	---
454	---	---	---	68.5	68.5	68.5	55.5	58.7	58.7	47.5	58.7	58.7	68.2	68.2	---
482	---	---	---	63.3	63.3	63.3	54.8	58.4	---	---	58.4	58.4	63.3	63.3	---
510	---	---	---	45.0	53.1	54.5	53.8	54.5	---	---	54.5	54.5	54.5	54.5	---
538	---	---	---	30.2	37.6	51.0	49.9	51.0	---	---	51.0	51.0	51.0	51.0	---
566	---	---	---	20.4	24.6	50.6	45.7	50.6	---	---	---	50.6	50.6	---	---
593	---	---	---	13.4	15.5	42.5	36.2	42.9	---	---	---	42.9	43.9	---	---
621	---	---	---	---	---	31.3	28.8	33.4	---	---	---	33.4	29.5	---	---
649	---	---	---	---	---	20.4	23.2	26.0	---	---	---	26.0	21.1	---	---
677	---	---	---	---	---	---	18.6	20.7	---	---	---	20.7	15.8	---	---
704	---	---	---	---	---	---	15.8	16.5	---	---	---	16.5	10.5	---	---
732	---	---	---	---	---	---	13.0	13.4	---	---	---	13.4	7.4	---	---
760	---	---	---	---	---	---	10.5	10.5	---	---	---	10.5	5.6	---	---
788	---	---	---	---	---	---	8.1	8.1	---	---	---	8.1	4.2	---	---
816	---	---	---	---	---	---	6.0	6.0	---	---	---	6.0	3.9	---	---

Table information is extracted from the Valve—Flanged, Threaded, and Welding End ASME Standard B16.34 2 .2013. These tables are 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 1000

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

