

# Chlorine Hydrogen Processing

Service Class	BALL VALVES				BUTTERFLY VALVES	
	Class 150 Bulletin B107-1	Class 300 Bulletin B107-2	Thd End Bulletin B101-2	Weld End Bulletin B105-1	Class 150 Bulletin W101-6	Class 300 Bulletin W101-6
Class I	1/2 – 10" 7150C 31 2271 XTZ1 1/2 – 10" 7150C 31 2273 XTZ1	1/2 – 10" 7300C 31 2271 XTZ1 1/2 – 10" 7300C 31 2273 XTZ1	1/2 – 1 1/2" 9FAC 2271XT 1/2 – 1 1/2" 9FAC 2273XT	1/2 – 2" 4CBC 2271 XT1 1/2 – 2" 4CBC 2273 XT1	2 1/2 – 24" 815LC 11 2271 XZ 2 1/2 – 24" 815LC 11 2273 XZ	2 1/2 – 24" 830LC 11 2271 XZ 2 1/2 – 24" 830LC 11 2273 XZ
Class II	OA	1 – 3" 7300L1 31 2671 XTZ4 1 – 3" 7300L1 31 2673 XTZ4 (Bulletin B115-4)	OA	OA	OA	OA
Class III	OA	1 – 3" 7300L1 31 2671 XTZ4 1 – 3" 7300L1 31 2673 XTZ4 (Bulletin B115-4)	NR	NR	OA	OA
Class IV	1/2 – 10" 7150C 31 2271 XTZ1 1/2 – 10" 7150C 31 2273 XTZ1	1/2 – 10" 7300C 31 2271 XTZ1 1/2 – 10" 7300C 31 2273 XTZ1	1/2 – 1 1/2" 9FAC 2271XT 1/2 – 1 1/2" 9FAC 2273XT	1/2 – 2" 4CBC 2271 XT1 1/2 – 2" 4CBC 2273 XT1	2 1/2 – 24" 815LC 11 2271 XZ 2 1/2 – 24" 815LC 11 2273 XZ	2 1/2 – 24" 830LC 11 2271 XZ 2 1/2 – 24" 830LC 11 2273 XZ
Class V	OA	1 – 3" 7300L1 31 2671 XTZ4 1 – 3" 7300L1 31 2673 XTZ4 (Bulletin B115-4)	NR	OA	OA	OA
Class VI	OA	1 – 3" 7300L1 31 2671 XTZ4 1 – 3" 7300L1 31 2673 XTZ4 (Bulletin B115-4)	NR	NR	OA	OA

OA = On Application, Minimum quantities may apply  
NR = Not Recommend

Body Material  
22 = A216 WCB  
26 = A352 LC3

Trim Material  
71 = Monel Ball & Stem  
73 = Hast C Ball & Stem

See table on reverse side for service class details.

Service Class	Fluid State	Pressure, psig	Pressure, kPa	Temperature, °F	Temperature, °C
Class I	Gas Only	Vacuum to 150	Vacuum to 1034	-20 to 300	-29 to 149
Class II	Gas Only	Vacuum to 150	Vacuum to 1034	-50 to 300	-46 to 149
Class III	Gas Only	Vacuum to 150	Vacuum to 1034	-150 to 300	-101 to 149
Class IV*	Gas or Liquid	Vacuum to 300	Vacuum to 2068	-20 to 300	300 -29 to 149
Class V	Gas or Liquid	Vacuum to 300	Vacuum to 2068	-50 to 300	-46 to 149
Class VI	Gas or Liquid	Vacuum to 300	Vacuum to 2068	-150 to 300	-101 to 149

\* Piping classes corresponding to the fluid state “gas or liquid” are to be used for all liquid-only lines and gas lines where the possibility of liquid entry exists or where there is the possibility that gas in a line may liquefy.

Subject to change without prior notice.

Neles, Neles Easyflow, Jamesbury, Stonel, Valvcon and Flowrox, and certain other trademarks, are either registered trademarks or trademarks of Valmet Oyj or its subsidiaries in the United States and/or in other countries.

For more information [www.neles.com/trademarks](http://www.neles.com/trademarks)

**Valmet Flow Control Oy**

Vanha Porvoontie 229, 01380 Vantaa, Finland.

Tel. +358 10 417 5000.

[www.valmet.com/flowcontrol](http://www.valmet.com/flowcontrol)

