



NEW!

Figure Number System for Pacific® CSV Cast Steel Gate, Globe & Check Valves

www.cranecpe.com

The new Pacific® CSV Cast Steel Gate, Globe, and Check valves meet the latest design requirements for API-600 (gate), API-623 (globe) and API-624 (low emissions).

With the launch of the new Pacific® CSV valve line, the figure number system was improved.

The new figure number system reduces confusion across all levels by making each code explicit in meaning. It consists of 17 alpha-numeric characters.



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Pacific® CSV Cast Steel Gate, Globe & Check Valves

Figure Number System

First 11 Figure Number Characters*

Size		Type	Class	Material	Trim	Operator	End	Schedule	Weld End Prep	Mounting
1	2	A	1	A	8	H	F	4	B	0

*The remaining 6 characters are used for Options, Features, Special Material Processes and Special Requirements. N is used to signify "No" requirement.

Figure Number Rules for Size, Type and Class (first 4 characters)

SIZE		TYPE		CLASS	
02	2"	A	GATE (Flex-Wedge)	1	150#
2H	2.5"	B	GLOBE (T-Globe)	3	300#
03	3"	C	CHECK (Swing type)	6	600#
04	4"				
-	-				
18	18"				
20	20"				
24	24"				

Figure Number Rules for Material (5th character)

MATERIAL		
No.	ASTM	Material
A	A216 WCB	Carbon Steel
B	A352 LCB	Low Carbon Steel
C	A352 LCC	Low Carbon Steel
D	A216 WCC	Carbon Steel
E	A217 WC6	1¼ CR, ½ Mo
F	A217 WC9	2¼ CR, 1 Mo
G	A217 C5	5% CR, ½ Mo
H	A217 C12	9% CR, 1 Mo
J	A351 CF8M	316 SS
L	A351 CF8	304 SS
M	A351 CF3	304L SS
N	A351 CF3M	316L SS
P	A351 CG8M	317 SS
Q	A351 CG3M	317L SS
R	A351 CF8C	347 SS
S	A351 CN7M	Alloy 20
Z	Special	

Figure Number Rules for Trim Material (6th character)

TRIM MATERIAL				
No.	API Trim No.	Nominal Trim	Seating Surfaces	Stem Material
	1	Obsolete (Offer Trim 8)		
5	5	HF / HF ⁽²⁾	Alloy 6	13 Cr (410)
9	9	Monel® / Monel® ⁽⁴⁾	Monel®	Monel®
8	8*	F6 / HF ⁽¹⁾⁽²⁾	13 Cr / Alloy 6	13 Cr (410)
1	11	Monel® / HF ⁽⁴⁾⁽²⁾	Monel® / Alloy 6	Monel®
2	12	316 / HF ⁽³⁾⁽²⁾	316SS / Alloy 6	316 SS
6	16	316/HF / 316/HF ⁽³⁾⁽²⁾	316SS / Alloy 6 (both)	316 SS
E	8 to NACE MR0103 / MR0175			
N	12 to NACE MR0103 / MR0175			
Z	Special / Custom			

(1) 13% Chromium AISI Type 410 Stainless Steel.
(2) Hard Facing is weld deposited Cobalt base alloy
(3) Ni-Cr-Mo stainless steel in the AISI Type 316 category
(4) Ni-Cu Alloy
* Standard Offering

Figure Number Rules for Mounting (11th character)

MOUNTING	
0 = N/A ⁽¹⁾	
1 = F10	A = FA10
2 = F12	B = FA12
3 = F14	C = FA14
4 = F16	D = FA16
5 = F25	E = FA25
6 = F30	F = FA30
7 = F35	G = FA35
8 = F40	H = FA40
Z = Other / Special	

(1) e.g. Handwheel / Check Valve

Figure Number Rules for Operator, Valve Ends and Schedule (7th, 8th & 9th & 10th characters)

OPERATOR		SCHEDULE	
0	N/A (e.g. check valves)	0 = N/A (e.g. flanged end)	F = Schedule 60
H	Handwheel	D = Schedule STD	G = Schedule 80 ⁽²⁾
G	Bevel Gear	A = Schedule 10	H = Schedule XS
S	Bare Stem	B = Schedule 10S	J = Schedule 100
P	Pneumatic Cylinder	C = Schedule 20	X = Different Inlet & Outlet
E	Electric Motor	K = Schedule 30	Z = Custom
C	Customer Supplied	E = Schedule 4 ⁽¹⁾	
M	Electric Motor with Bevel Gear		
Y	Hydraulic Actuator		
Z	Special / Custom		

(1) same as Schedule STD for size 2" - 10"
(2) same as Schedule XS for size 2" - 8"

VALVE ENDS	
F	Raised Face
W	Butt Weld End

WELD END PREP	
0 = N/A (e.g. flanged end)	
B = 2B or 3B Based on wall thickness	
C = 2C or 3C Based on wall thickness	
Z = Custom	

SPECIAL REQUIREMENT (digit 17)	
N = None	M = MSS SP-61 testing
2 = API 600 12 th edition	Z = Other
C = CE/PED	

Note: Characters 12-16 refer to Options, Features and Special Material Processes. Consult the Factory for details

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