

# Powell Forged Valve Coding System

**NOTE:** Other configurations available upon request.

## Digit

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Size				Space	Type		Class		Ends	Material		Trim	P&G	Bonnet
1	.	0	0		G	A	0	8	T	A	5	8	G	B

Example: 1.00 GA08TA58GB for a 1" Standard Port Class 800, Threaded End, A105, Trim 8, Bolted Bonnet Gate Valve with Graphite Packing and Gasket

Type	
GA	Gate
GL	Globe
PC	Spring Piston Check
BC	Spring Ball Check
SW	Swing Check
GY	Y Globe
AN	Angle
BG	Bellows Gate
BL	Bellows Globe
YL	Y Spring Piston Check
IG	ISRS Gate
IL	ISRS Globe

Pressure Class	
01	Standard Port 150#
L1	Full Port 150#
03	Standard Port 300#
L3	Full Port 300#
06	Standard Port 600#
L6	Full Port 600#
08	Standard Port 800#
L8	Full Port 800#
15	Standard Port 1500#
L5	Full Port 1500#
16	Standard Port 1690#
L7	Full Port 1690#
25	2500#
26	2680#
45	4500#

Ends	
T	Threaded
S	Socketweld
X	Th X Sw <sup>[1]</sup>
F	Flanged
R	Ring Joint
Y	Inlet Th X Outlet Sw
Z	Inlet Sw X Outlet Th
A	Sw X Ext Sw <sup>[1]</sup>
B	Sw X Ext Th <sup>[1]</sup>
D	Th X Ext Sw <sup>[1]</sup>
E	Th X Ext Th <sup>[1]</sup>
K	Th X Ext WOL <sup>[1]</sup>
P	Sw X Ext WOL <sup>[1]</sup>

Material	
A5	A105
04	A182 304
16	A182 316
21	A182 321
47	A182 347
4H	A182 304H
4L	A182 304L
6L	A182 316L
L2	A350-LF2
A2	Alloy 20
40	Alloy N04400
F1	A182 F11
F2	A182 F22
F4	A182 F44
F5	A182 F5
51	A182 F51
F3	A182 F53
55	A182 F55
F9	A182 F9
91	A182 F91
C2	Hastelloy
80	Incoloy 800H
82	Incoloy 825
62	Inconel 625
17	A182 317
7L	A182 317L

Trim	
0	API Trim 10
1	API Trim 1
2	API Trim 12
3	API Trim 13
5	API Trim 5
6	API Trim 16
8	API Trim 8
9	API Trim 9
A	Base Metal w/ Half Hard Facing
B	Base Metal w/ Full Hard Facing
C	Base Metal
D	API Trim 11
E	API Trim 2
N	API Trim 8 (NACE) <sup>[2]</sup>
K	Std Cryo trim w/ PCTFE disc insert
P	Std Cryo trim
G	Std Cryo trim w/ GFTFE disc insert
Z	Special Trim

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Packing & Gasket	
G	Manuf. STD Graphite
T	Manuf. STD Teflon

Bonnet And Bolting	
W	Welded Bonnet
B	Bolted Bonnet Std. Bolting
C	Bolted Bonnet w/A193 B8M Cl.2 and A194 8M
D	Bolted Bonnet w/A193 B8 Cl.2 and A194 8
E	Bolted Bonnet A193 B8M and A194 8M
F	Bolted Bonnet, Std. Bolting, Clean for Oxygen
N	Bolted Bonnet w/ A193 B7M and A194 2HM (NACE) <sup>[2]</sup>
G	Std. Extended Bolted Bonnet, Std. Bolting, Clean for Oxygen
H	Std. Extended Welded Bonnet, Clean for Oxygen
J	Welded Bonnet, Clean for Oxygen
L	Bolted Bonnet, Locking Device
K	Welded Bonnet (NACE) <sup>[2]</sup>
M	Bolted Bonnet A193 B8 and A194 8 (NACE) <sup>[2]</sup>
R	Ring Joint Bonnet.

1. Only To be Used For Gate Valves.

2. API Trim 10 or 12 can also be used for NACE service valves If Bonnet And Bolting codes N, K, or M are Selected. Make Sure to select A NACE Bonnet and Bolting Designation if a NACE valve is required.