



BONNEY FORGE

How To ORDER/SPECIFY FORGED STEEL VALVES (CONT.)

9VOLL	Valvolet ® Extended Body, Lip End, Standard Port, 1500#, Welded Bonnet
9VOL	Valvolet ® Extended Body, O'Let End, Standard Port, 1500#, Welded Bonnet
9VLL	Valvolet ® Extended Body, Lip End, Standard Port, 1500#, Bolted Bonnet
9VL	Valvolet ® Extended Body, O'Let End, Standard Port, 1500#, Bolted Bonnet
MFL	Extended Body, Standard Port, 800#, Welded Bonnet
ML	Extended Body, Standard Port, 800#, Bolted Bonnet
9MFL	Extended Body, Standard Port, 1500#, Welded Bonnet
9ML	Extended Body, Standard Port, 1500#, Bolted Bonnet

SECTION B- VALVE TYPE

1	Gate
3	Globe
3R	Globe with renewable seats
4	Piston Check
4R	Piston Check with renewable seats
5	Ball Check
5R	Ball Check with renewable seats
6	Swing Check

1	A 105, Trim F6/HF, (API Trim #8)
2	A 105, Trim F6/FHF, (API Trim #5)
3	A 105, Trim F316/HF, (API Trim #12)
3F	A 105, Trim F316/FHF
4	A 105, Trim Monel, (API Trim #9) ¹
4S	A 105, Trim Monel 500/HF (API Trim #11) ²
4F	A 105, Trim Monel FHF
5	F22, Trim F6/HF, (API Trim #8)
5F	F22, Trim F6/FHF, (API Trim #5)
6	F5, Trim F6/HF, (API Trim #8)
6F	F5, Trim F6/FHF, (API Trim #5)
7	F304, Trim F304/HF
7F	F304, Trim F304/FHF
7L	F304L, Trim F304/HF
7LF	F304L, Trim F304/FHF
7H	F304H, Trim F304/HF
7HF	F304H, Trim F304/FHF
8	F316, Trim F316/HF, (API Trim #12)
8F	F316, Trim F316/FHF
8L	F316L, Trim F316/HF, (API Trim #12)
8LF	F316L, Trim F316/FHF
8H	F316H, Trim F316/HF, (API Trim #12)
8HF	F316H, Trim F316/FHF

1 - Gate, Swing Check provided with Monel 400 Wedge/Disc and Monel 500 Seat/Stem.

2 - Offered for Globe, Ball, Piston Check only.



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SECTION C- BODY/BONNET, TRIM MATERIAL (CONT.)

9	F11, Trim F6/HF, (API Trim #8)
9F	F11, Trim F6/FHF, (API Trim #5)
A	F9, Trim F6/HF, (API Trim #8)
AF	F9, Trim F6/FHF, (API Trim #5)
LS	LF2, Trim F6/HF, (API Trim #8)
LF	LF2, Trim F6/FHF, (API Trim #5)
L3S	LF2, Trim F316/HF, (API Trim #12)
L3F	LF2, Trim F316/FHF
0	Other, to be specified

For an item not listed above, a figure number can be determined from the following.

Body/Bonnet Material	First Code Number/Letter	Trim Material	Second Code Letter
A105	1	F6/HF	S
LF2	L	F6/FHF	F
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F5	6	F304/HF	7
F9	A	F304/FHF	7F
F91	K	F316/HF	3
F11	9	F316/FHF	3F
F22	5	F317/HF	B
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F304, 304L, 304H	7, 7L, 7H	F317/FHF	BF
F316, 316L, 316H	8, 8L, 8H	F321/HF	E
317, 317L	B, BL	F321/FHF	EF
F321, 321H	E, EH	F347/HF	G
F347, 347H	G, GH	F347/FHF	GF
F44	J	F44	J
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Alloy 20	A2	F44/HF	JS
Monel 400	M4	F44/FHF	JF
Monel K-500	M5	F51	D
Hastelloy B	HB	F51/HF	DS
Hastelloy C-276	HC	F51/FHF	DF
Incoloy 800	I800	Alloy 20	A2
Incoloy 825	I825	Alloy 20/HF	A2S
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F51	D	Alloy 20/FHF	A2F
		Monel 400	M4
		Monel 400/HF	M4S
		Monel 400/FHF	M4F
		Monel 500	M5
		Monel 500/HF	M5S
		Monel 500/FHF	M5F



BONNEY FORGE

How To ORDER/SPECIFY FORGED STEEL VALVES

1. Specify Valve Size
2. Select Valve Description from Section A
3. Select Valve Type desired from Section B
4. Indicate Body/Bonnet and Trim Material from Section C
5. Select End Configuration from Section D
6. Select Special Requirement(s) from Section E
7. Specify as a Suffix String, after Section D or E, any Body/Bonnet Material, Trim Material or Special Requirements not listed below

SECTION A- VALVE DESCRIPTION

H	Full Port, 800#, Bolted Bonnet
HL	Standard Port, 800#, Bolted Bonnet
W	Full Port, 800#, Welded Bonnet
WL	Standard Port, 800#, Welded Bonnet
9H	Full Port, 1500#, Bolted Bonnet
9HL	Standard Port, 1500#, Bolted Bonnet
9HR	Full Port, 1500#, RTJ Bolted Bonnet
25HR	Full Port, 2500#, RTJ Bolted Bonnet
9W	Full Port, 1500#, Welded Bonnet
9WL	Standard Port, 1500#, Welded Bonnet
25W	Full Port, 2500#, Welded Bonnet
45W	Full Port, 4500#, Welded Bonnet
Y	Full Port, 800#, Y-Pattern Body, Welded Bonnet
9Y	Full Port, 1500#, Y-Pattern Body, Welded Bonnet
1690Y	Full Port, 1690#, Y-Pattern Body, Welded Bonnet
25Y	Full Port, 2500#, Y-Pattern Body, Welded Bonnet
2680Y	Full Port, 2680#, Y-Pattern Body, Welded Bonnet
45Y	Full Port, 4500#, Y-Pattern Body, Welded Bonnet
1	150# Integral Flange, Full Port, Bolted Bonnet
3	300# Integral Flange, Full Port, Bolted Bonnet
6	600# Integral Flange, Full Port, Bolted Bonnet
15F	1500# Integral Flange, Full Port, Bolted Bonnet
25F	2500# Integral Flange, Full Port, Bolted Bonnet
L1	150# Integral Flange, Standard Port, Bolted Bonnet
L3	300# Integral Flange, Standard Port, Bolted Bonnet
L6	600# Integral Flange, Standard Port, Bolted Bonnet
C	Cryogenic, Full Port, 800#, Bolted Bonnet
CL	Cryogenic, Standard Port, 800#, Bolted Bonnet
CW	Cryogenic, Full Port, 800#, Welded Bonnet
CWL	Cryogenic, Standard Port, 800#, Welded Bonnet
9C	Cryogenic, Full Port, 1500#, Bolted Bonnet
9CL	Cryogenic, Standard Port, 1500#, Bolted Bonnet
9CW	Cryogenic, Full Port, 1500#, Welded Bonnet
9CWL	Cryogenic, Standard Port, 1500#, Welded Bonnet



How To ORDER/SPECIFY FORGED STEEL VALVES

BONNEY FORGE

SECTION A- VALVE DESCRIPTION (CONT.)

1C	Cryogenic, 150# Integral Flange, Full Port, Bolted Bonnet
1CL	Cryogenic, 150# Integral Flange, Standard Port, Bolted Bonnet
1CW	Cryogenic, 150# Integral Flange, Full Port, Welded Bonnet
1CWL	Cryogenic, 150# Integral Flange, Standard Port, Welded Bonnet
3C	Cryogenic, 300# Integral Flange, Full Port, Bolted Bonnet
3CL	Cryogenic, 300# Integral Flange, Standard Port, Bolted Bonnet
3CW	Cryogenic, 300# Integral Flange, Full Port, Welded Bonnet
3CWL	Cryogenic, 300# Integral Flange, Standard Port, Welded Bonnet
6C	Cryogenic, 600# Integral Flange, Full Port, Bolted Bonnet
6CL	Cryogenic, 600# Integral Flange, Standard Port, Bolted Bonnet
6CW	Cryogenic, 600# Integral Flange, Full Port, Welded Bonnet
6CWL	Cryogenic, 600# Integral Flange, Standard Port, Welded Bonnet
15CF	Cryogenic, 1500# Integral Flange, Full Port, Bolted Bonnet
15CWF	Cryogenic, 1500# Integral Flange, Full Port, Welded Bonnet
S	Bellows Sealed, Full Port, 800#, Bolted Bonnet
SL	Bellows Sealed, Standard Port, 800#, Bolted Bonnet
SHW	Bellows Sealed, Full Port, 800#, Welded Bonnet
SHWL	Bellows Sealed, Standard Port, 800#, Welded Bonnet
9S	Bellows Sealed, Full Port, 1500#, Bolted Bonnet
9SL	Bellows Sealed, Standard Port, 1500#, Bolted Bonnet
9SHW	Bellows Sealed, Full Port, 1500#, Welded Bonnet
9SHWL	Bellows Sealed, Standard Port, 1500#, Welded Bonnet
25SHW	Bellows Sealed, Full Port, 2500#, Welded Bonnet
1S	Bellows Sealed, 150# Integral Flange, Full Port, Bolted Bonnet
1SL	Bellows Sealed, 150# Integral Flange, Standard Port, Bolted Bonnet
1SHW	Bellows Sealed, 150# Integral Flange, Full Port, Welded Bonnet
1SHWL	Bellows Sealed, 150# Integral Flange, Standard Port, Welded Bonnet
3S	Bellows Sealed, 300# Integral Flange, Full Port, Bolted Bonnet
3SL	Bellows Sealed, 300# Integral Flange, Standard Port, Bolted Bonnet
3SHW	Bellows Sealed, 300# Integral Flange, Full Port, Welded Bonnet
3SHWL	Bellows Sealed, 300# Integral Flange, Standard Port, Welded Bonnet
6S	Bellows Sealed, 600# Integral Flange, Full Port, Bolted Bonnet
6SL	Bellows Sealed, 600# Integral Flange, Standard Port, Bolted Bonnet
6SHW	Bellows Sealed, 600# Integral Flange, Full Port, Welded Bonnet
6SHWL	Bellows Sealed, 600# Integral Flange, Standard Port, Welded Bonnet
15SF	Bellows Sealed, 1500# Integral Flange, Full Port, Bolted Bonnet
15SHWF	Bellows Sealed, 1500# Integral Flange, Full Port, Welded Bonnet
VOLL	Valvolet [®] Extended Body, Lip End, Standard Port, 800#, Welded Bonnet
VOL	Valvolet [®] Extended Body, O'Let End, Standard Port, 800#, Welded Bonnet
VLL	Valvolet [®] Extended Body, Lip End, Standard Port, 800#, Bolted Bonnet
VL	Valvolet [®] Extended Body, O'Let End, Standard Port, 800#, Bolted Bonnet

Body/Bonnet Material	First Code Number/Letter	Trim Material	Second Code Letter
Titanium	T	Hastelloy B	HB
		Hastelloy B/HF	HBS
		Hastelloy B/FHF	HBF
		Hastelloy C	HC
		Hastelloy C/HF	HCS
		Hastelloy C/FHF	HCF
		Incoloy 800/HF	I
		Incoloy 800/FHF	IF
		Incoloy 825/HF	N
		Incoloy 825/FHF	NF
		Titanium/HF	T
		Titanium/FHF	TF

Examples: 1" Standard Port, 800#, Bolted Bonnet, Gate, A 105, Alloy 20/FHF Trim, Threaded Ends **Fig. No. 1" HL-11A2F-T**

3/4" Standard Port, 1500#, Welded Bonnet, Globe, F5, F316/HF Trim, Socket Weld Ends **Fig. No. 3/4" 9WL-363-SW**

SECTION D- END CONFIGURATION

T = Threaded
 SW = Socket Weld
 SW/T = Socket Weld Inlet x Threaded Outlet
 T/SW = Thread Inlet x Socket Weld Outlet
 BW = Butt Weld
 P = Plain End
 RF = Flanged, Raised Face
 RTJ = Flanged, Ring Type Joint
 FF = Flat Face Finish
 SF = Smooth Face Finish
 N = Nipples, Customer Specify

SECTION E- SPECIAL REQUIREMENTS

ASME Section I
 NACE
 Oxygen Service
 Hydrogen Service
 PMI
 Special Packing/Gaskets
 Other – Customer Specify