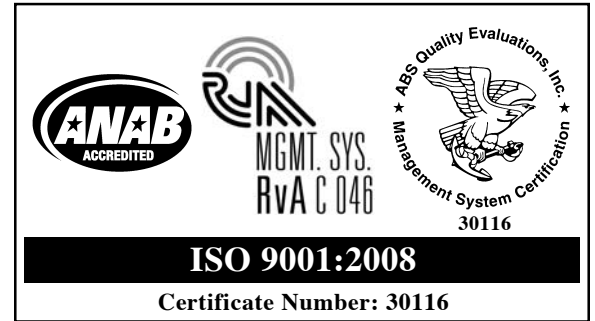




BONNEY FORGE

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PRICE SCHEDULE FSV-831
Effective May 2, 2011
Subject to change without notice.



Forged Steel Valves





BONNEYFORGE

ALLOY & STAINLESS FORGED STEEL VALVES

The following listed valves are available on application in: F316 Body and Bonnet, Trim F316 S.S. - F316L Body and Bonnet, Trim F316L S.S. - 5% Cr., 1/2 Moly Steel, (F5) Body and Bonnet, Trim 13% Cr., S.S. (F6) H.F.S. - 1 1/4% Cr., 1/2 Moly Steel, (F11) Body and Bonnet, Trim 13% Cr., S.S. (F6) H.F.S. - 2 1/4% Cr., 1 Moly Steel, (F22) Body and Bonnet, Trim 13% Cr., S.S. (F6) H.F.S.

GATE VALVE

- Class 800** - Bolted Bonnet or Seal Welded Bonnet
Bolted Gland - O.S.&Y.
VALVOLET®
Female End - Threaded or Socket Weld
Male End - Extended WELDOLET or Lip End
Extended Body - Welded Bonnet - O.S.&Y.
Extended Bonnet - Bolted Gland - O.S.&Y.
Cryogenic Service or Bellows Sealed
- Class 1500** - Bolted Bonnet - Bolted Gland - O.S.&Y.
- Class 150-300-600-1500-2500** - Integral Flanged Ends
Bolted Bonnet - Bolted Gland - O.S.&Y.

GLOBE VALVE

- Class 800** - Bolted Bonnet or Seal Welded Bonnet - Bolted Gland - O.S.&Y.
Typical or Seal Welded Bonnet "Y" Pattern configuration
Extended Bonnet - Bolted Gland - O.S.&Y.
Cryogenic Service or Bellows Sealed
- Class 1500** - Bolted Bonnet - Bolted Gland - O.S.&Y.
Typical or Seal Welded Bonnet "Y" Pattern configuration
- Class 2500** - Seal Welded Bonnet - Bolted Gland O.S.&Y.
Typical or Seal Welded Bonnet "Y" Pattern configuration
- Class 150-300-600-1500-2500** - Integral Flanged Ends
Bolted Bonnet - Bolted Gland - O.S.&Y.

PISTON CHECK VALVE

- Class 800** - Bolted Cap or Seal Welded Cap
Typical or Seal Welded Cap "Y" Pattern configuration
- Class 1500** - Bolted Cap
- Class 2500** - Seal Welded Cap
- Class 150-300-600-1500-2500** - Integral Flanged Ends
Bolted Cap

BALL CHECK VALVE

- Class 800** - Bolted Cap or Seal Welded Cap
- Class 1500** - Bolted Cap
- Class 150-300-600-1500-2500** - Integral Flanged Ends
Bolted Cap

SWING CHECK VALVE

- Class 800** - Bolted Cap
- Class 1500** - Bolted Cap
- Class 150-300-600-1500-2500** - Integral Flanged Ends
Bolted Cap

Unless otherwise noted, the above Valves have Threaded or Socket Weld Ends and are available in Standard or Full Port.

***Class 1500 Y Pattern is rated class 1690**

***Class 2500 Y Pattern is rated class 2690**



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MINIMUM ORDER CHARGE - \$50.00

TERMS - 1% 10-25th net 30 days. Subject to change without notice.

FREIGHT POLICY - All prices and shipments are F.O.B. plant of manufacture. Our responsibility ceases after we make delivery to the carrier. Claims for damages, loss or delay in transit should be made to the carrier. Full freight will be allowed on individual orders of 1500# or more. Individual orders totaling less than 1500# are not subject to freight allowance. Allowances are based on lowest published rates for rail or motor freight to all rail points or highway points listed in published tariffs. Freight allowances do not include delivery to building sites beyond these rail or highway points. Whenever a buyer specifies a more expensive method of shipment, the difference in transportation cost is for buyer's account.

Alternate body-trim material or construction other than those listed are priced on application.

Full stellite, special packaging, gaskets or flange facing are priced on application.

IFC = Inside front cover

BC = Back cover

Bonney Forge reserves the right to quote material combinations different than those listed here. The chart below lists the standard body trim material combinations, usually available from Bonney Forge Valve. "S" indicates standard, alternate materials are available on request.

STANDARD BODY-TRIM MATERIALS

Valve Type	Base Material	Manuf.	Body	Trim			Gasket (2)	Packing (3)	Bolting (4)	
				Disc.	Seat (1)	Stem			Body (5)	Packing (5)
800# - 1500# BOLTED BONNET	Carbon Steel	S	A 105	13 Cr.	13 Cr. HF	13 Cr.	316L + Graphite	Graphite	B7 (2H)	B6
	Low Temp. Steel	S	LF2	F316	F316 HF	F316	316L + Graphite	Graphite	L7M (G8)	B8/G8
	Alloy Steel	S	F5-F11 F22-F9	13 Cr.	13 Cr. HF	13 Cr.	316L + Graphite	Graphite	B16 (2H)	B6 (2H)
800# WELDED BONNET	Stainless Steel	S	F304 F304L F316 F316L	304 304L 316 316L	304 HF 304L HF 316 HF 316L HF	304 304L 316 316L	316L + Graphite	Graphite	B8 (G8)	B8/G8
1500# & 2500# WELDED BONNET	Carbon Steel	S	A 105	13 Cr.	13 Cr. HF	13 Cr.	316L + Graphite	Graphite	-	B6 (2H)
	Alloy Steel	S	F5-F9 F11-F12	13 Cr.	13 Cr. HF	13 Cr.	316L + Graphite	Graphite	-	B6 (2H)
	Stainless Steel	S	F304 F304L F316 F316L	304 304L 316 316L	304 HF 304L HF 316 HF 316L HF	304 304L 316 316L	316L + Graphite	Graphite	-	B8/G8

Fig. Number	Base Material	Manuf.	Body	Trim			Gasket (2)	Packing (3)	Bolting (4)	
				Disc.	Seat (1)	Stem			Body (5)	Packing (5)
BELLOWS SEALED	Carbon Steel	S	A 105	13 Cr. HF	13 Cr. HF	13 Cr.	316L + Graphite	Graphite	B7 (2H)	B6
	Stainless Steel	S	F304 F304L F316 F316L	304 HF 304L HF 316 HF 316L HF	304 HF 304L HF 316 HF 316L HF	304 304L 316 316L	316L + Graphite	Graphite	B8 (G8)	B8 (G8)
CRYOGENIC	Stainless Steel	S	F304 F304L F316 F316L	304 304L 316 316L	304 HF 304L HF 316 HF 316L HF	304 304L 316 316L	316L + Graphite	Teflon	B8 (G8)	B8 (G8)
150# & 300# FLANGED END	Carbon Steel	S	A 105	13 Cr.	13 Cr. HF	13 Cr.	316L + Graphite	Graphite	B7 (2H)	B6
	Alloy Steel	S	F5-F9 F11 F22	13 Cr.	13 Cr. HF	13 Cr.	316L + Graphite	Graphite	B16 (2H)	B6 (2H)
	Stainless Steel	S	F304 F304L F316 F316L	304 304L 316 316L	304 HF 304L HF 316 HF 316L HF	304 304L 316 316L	316L + Graphite	Graphite	B8 (G8)	B8 (G8)

(1) Symbol "HF" for stellite hard faced.
(2) All spiral-wound gaskets, metal/filler.

(3) Graphite packing and gaskets are used as standard.
(4) Symbols () refer to nuts, when used.
(5) First symbol refers to studs, second symbol to nuts.

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
H9R	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
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

Section A - Valve Description (Continued)

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, Stand. Port, Bolted Bonnet
1SHW	Bellows Sealed, 150# Integral Flange, Full Port, Welded Bonnet
1SHWL	Bellows Sealed, 150# Integral Flange, Stand. Port, Welded Bonnet
3S	Bellows Sealed, 300# Integral Flange, Full Port, Bolted Bonnet
3SL	Bellows Sealed, 300# Integral Flange, Stand. Port, Bolted Bonnet
3SHW	Bellows Sealed, 300# Integral Flange, Full Port, Welded Bonnet
3SHWL	Bellows Sealed, 300# Integral Flange, Stand. Port, Welded Bonnet
6S	Bellows Sealed, 600# Integral Flange, Full Port, Bolted Bonnet
6SL	Bellows Sealed, 600# Integral Flange, Stand. Port, Bolted Bonnet
6SHW	Bellows Sealed, 600# Integral Flange, Full Port, Welded Bonnet
6SHWL	Bellows Sealed, 600# Integral Flange, Stand. 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, Stand. Port, 800#, Welded Bonnet
VOL	Valvolet ® Extended Body, O'Let End, Stand. Port, 800#, Welded Bonnet
VLL	Valvolet ® Extended Body, Lip End, Stand. Port, 800#, Bolted Bonnet
VL	Valvolet ® Extended Body, O'Let End, Stand. Port, 800#, Bolted Bonnet
9VOLL	Valvolet ® Extended Body, Lip End, Stand., 1500#, Welded Bonnet
9VOL	Valvolet ® Extended Body, O'Let End, Stand. Port, 1500#, Welded Bonnet
9VLL	Valvolet ® Extended Body, Lip End, Stand. Port, 1500#, Bolted Bonnet
9VL	Valvolet ® Extended Body, O'Let End, Stand. 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

Section C - Body/Bonnet, Trim Material

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 500 (API Trim #9)
4S	A 105, Trim Monel 500/HF (API Trim #11)
4F	A 105, Trim Monel 500/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
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
O	Other, to be specified

Section D - End Configuration

T	= Threaded
SW	= Socket Weld
SW/T	= Socket Weld Inlet x Threaded Outlet
T/SW	= Threaded 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

Section C - Body/Bonnet, Trim Material (Continued)

For an item not listed to the left, a figure number can be determined from the following:

Body/Bonnet Material	First Code Number/Letter	Trim Material	Second Code Letter
A 105	1	F6/HF	S
LF2	L	F6/FHF	F
		F304/HF	7
F5	6	F304/FHF	7F
F9	A	F316/HF	3
F91	K	F316/FHF	3F
F11	9	F317/HF	B
F22	5	F317/FHF	BF
		F321/HF	E
F304, 304L, 304H	7, 7L, 7H	F321/FHF	EF
F316, 316L, 316H	8, 8L, 8H	F347/HF	G
317, 317L	B, BL	F347/FHF	GF
F321, 321H	E, EH	F44	J
F347, 347H	G, GH	F44/HF	JS
F44	J	F44/FHF	JF
		F51	D
Alloy 20	A2	F51/HF	DS
Monel 400	M4	F51/FHF	DF
Monel 500	M5	Alloy 20	A2
Hastelloy B	HB	Alloy 20/HF	A2S
Hastelloy C	HC	Alloy 20/FHF	A2F
Incoloy 800	I800	Monel 400	M4
Incoloy 825	I825	Monel 400/HF	M4S
		Monel 400/FHF	M4F
		Monel 500	M5
F51	D	Monel 500/HF	M5S
		Monel 500/FHF	M5F
		Hastelloy B	HB
		Hastelloy B/HF	HBS
Titanium	T	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



BONNEYFORGE

ALLOY & STAINLESS FORGED STEEL VALVES

GATE VALVE

CLASS 800 - Bolted Bonnet - Bolted Gland - O.S.&Y. Threaded or Socket Weld Ends

	BODY & TRIM MATL.	VALVE TYPE NO.	SIZE						
			1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2
STAND. PORT	F11 - 13% Cr. (1)	HL-19	POA	\$357	\$419	\$ 514	POA	\$ 896	\$1,239
	F5 - 13% Cr. (1)	HL-16	POA	419	494	601	POA	1,118	1,416
	F316L - 18/8 (1)	HL-18L	\$612	612	724	1,059	POA	1,648	2,214
FULL PORT	F11 - 13% Cr. (1)	H-19	PRICE ON APPLICATION						
	F5 - 13% Cr. (1)	H-16							
	F316L - 18/8 (1)	H-18L							

GLOBE VALVE

CLASS 800 - Bolted Bonnet - Bolted Gland - O.S.&Y. Threaded or Socket Weld Ends

	BODY & TRIM MATL.	VALVE TYPE NO.	SIZE						
			1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2
STAND. PORT	F11 - 13% Cr. (1)	HL-39	POA	\$562	\$691	\$ 815	POA	\$1,687	\$2,458
	F5 - 13% Cr. (1)	HL-36	POA	700	770	1,234	POA	2,169	2,938
	F316L - 18/8 (1)	HL-38L	\$789	789	862	1,357	POA	2,355	3,177
FULL PORT	F11 - 13% Cr. (1)	H-39	PRICE ON APPLICATION						
	F5 - 13% Cr. (1)	H-36							
	F316L - 18/8 (1)	H-38L							

PISTON CHECK VALVE

CLASS 800 - Bolted Cap Threaded or Socket Weld Ends

	BODY & TRIM MATL.	VALVE TYPE NO.	SIZE						
			1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2
STAND. PORT	F11 - 13% Cr. (1)	HL-49	PRICE ON APPLICATION						
	F5 - 13% Cr. (1)	HL-46							
	F316L - 18/8 (1)	HL-48L	-	\$1,007	\$1,177	\$1,619	-	\$3,198	\$4,336
FULL PORT	F11 - 13% Cr. (1)	H-49	PRICE ON APPLICATION						
	F5 - 13% Cr. (1)	H-46							
	F316L - 18/8 (1)	H-48L							

BALL CHECK VALVE

CLASS 800 - Bolted Cap Threaded or Socket Weld Ends

	BODY & TRIM MATL.	VALVE TYPE NO.	SIZE						
			1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2
STAND. PORT	F11 - 13% Cr. (1)	HL-59	PRICE ON APPLICATION						
	F5 - 13% Cr. (1)	HL-56							
	F316L - 18/8 (1)	HL-58L							
FULL PORT	F11 - 13% Cr. (1)	H-59	PRICE ON APPLICATION						
	F5 - 13% Cr. (1)	H-56							
	F316L - 18/8 (1)	H-58L							

(1) Hard Faced Seats (1/2 Stellite)



ALLOY & STAINLESS FORGED STEEL VALVES

BONNEYFORGE

SWING CHECK

CLASS 800 – Bolted Bonnet – Horiz. & Vert. Installation Threaded or Socket Weld Ends

BODY & TRIM MATL.		VALVE TYPE NO.	SIZE					
			1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2
SWING	F11 - 13% Cr. (1)	HL-69	PRICE ON APPLICATION					
	F5 - 13% Cr. (1)	HL-66						
	F304 - 18/8 (1)	HL-67						
	F316L - 18/8 (1)	HL-68L						

GATE & GLOBE VALVE

CLASS 1500 – Bolted Bonnet – Bolted Gland – O.S.&Y. Threaded or Socket Weld Ends – Standard Port

BODY & TRIM MATL.		VALVE TYPE NO.	SIZE					
			1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2
GATE	F11 - 13% Cr. (1)	9HL-19	PRICE ON APPLICATION					
	F5 - 13% Cr. (1)	9HL-16						
	F304 - 18/8 (1)	9HL-17						
	F316L - 18/8 (1)	9HL-18L						
	F22 - 13% Cr. (1)	9HL-15						
GLOBE	F11 - 13% Cr. (1)	9HL-39						
	F5 - 13% Cr. (1)	9HL-36						
	F304 - 18/8 (1)	9HL-37						
	F316L - 18/8 (2)	9HL-38LF						
	F22 - 13% Cr. (1)	9HL-35						

GATE VALVE

CLASS 2500 – Seal Welded Bonnet – Bolted Gland – O.S.&Y. Threaded or Socket Weld Ends

BODY & TRIM MATL.		VALVE TYPE NO.	SIZE					
			1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2
FULL PORT	F11 - 13% Cr. (2)	25W-19F	PRICE ON APPLICATION					
	F5 - 13% Cr. (1)	25W-16						
	F304 - 18/8 (1)	25W-17						
	F316L - 18/8 (1)	25W-18L						
	F22 - 13% Cr. (2)	25W-15F						

GLOBE VALVE

CLASS 2500 – Seal Welded Bonnet – Bolted Gland – O.S.&Y. Threaded or Socket Weld Ends

BODY & TRIM MATL.		VALVE TYPE NO.	SIZE					
			1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2
FULL PORT	F11 - 13% Cr. (2)	25W-39F	PRICE ON APPLICATION					
	F5 - 13% Cr. (1)	25W-36						
	F304 - 18/8 (1)	25W-37						
	F316L - 18/8 (1)	25W-38L						
	F22 - 13% Cr. (2)	25W-35F						

- (1) Hard Faced Seats (1/2 Stellite)
- (2) Hard Faced Seats and Disc (FHF)



ALLOY & STAINLESS FORGED STEEL VALVES

BONNEYFORGE

GATE VALVE VALVOLET®

CLASS 800 - Seal Welded Bonnet - Bolted Gland - O.S.&Y.
Female End - Threaded or Socket Weld
Male End - Extended WELDOLET® or Lip End

BODY & TRIM MATL.		VALVE TYPE NO.	SIZE					
			1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2
STAND. PORT	F11 - 13% Cr. (1)	VOLL-19	PRICE ON APPLICATION					
	F5 - 13% Cr. (1)	VOLL-16						
	F316L - 18/8 (1)	VOLL-18L						
	F9 - 13% Cr. (1)	VOLL-1A						

GATE VALVE Extended Body

CLASS 800 - Seal Welded Bonnet - Bolted Gland - O.S.&Y.
Threaded or Socket Weld Ends: Male Thread x Female Thread
Male Plain x Female Thread
Male Thread x Female SW
Male Plain x Female SW

BODY & TRIM MATL.		VALVE TYPE NO.	SIZE					
			1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2
STAND. PORT	F11 - 13% Cr. (1)	MFL-19	PRICE ON APPLICATION					
	F5 - 13% Cr. (1)	MFL-16						
	F316L - 18/8 (1)	MFL-18L						

GLOBE VALVE

CLASS 1690 - Seal Welded Bonnet - Bolted Gland - "Y" Pattern
Threaded or Socket Weld Ends

BODY & TRIM MATL.		VALVE TYPE NO.	SIZE					
			1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2
F11 - 13% Cr. (2)		1690Y-39F	PRICE ON APPLICATION					
F22 - 13% Cr. (2)		1690Y-35F						

GLOBE VALVE

CLASS 2680 - Seal Welded Bonnet - Bolted Gland - "Y" Pattern
Threaded or Socket Weld Ends

BODY & TRIM MATL.		VALVE TYPE NO.	SIZE					
			1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2
F11 - 13% Cr. (2)		2680Y-39F	PRICE ON APPLICATION					
F22 - 13% Cr. (2)		2680Y-35F						

(1) Hard Faced Seats (1/2 Stellite)

(2) Hard Faced Seats and Disc (FHF)



ALLOY & STAINLESS FORGED STEEL VALVES

BONNEYFORGE

GATE VALVE Standard Port

CLASS 150-300-600-1500 - Integral Flanged Ends Bolted Bonnet - Bolted Gland - O.S.&Y.

BODY & TRIM MATL.			VALVE TYPE NO.	SIZE							
				1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2	
STANDARD PORT	150	F11 - 13% Cr. (1)	L1-19	PRICE ON APPLICATION							
		F5 - 13% Cr. (1)	L1-16								
		F304 - 18/8 (1)	L1-17								
		F316L - 18/8 (1)	L1-18L								
	300	F11 - 13% Cr. (1)	L3-19								
		F5 - 13% Cr. (1)	L3-16								
		F304 - 18/8 (1)	L3-17								
		F316L - 18/8 (1)	L3-18L								
	600	F11 - 13% Cr. (1)	L6-19								
		F5 - 13% Cr. (1)	L6-16								
		F304 - 18/8 (1)	L6-17								
		F316L - 18/8 (1)	L6-18L								
FULL PORT	1500	F11 - 13% Cr. (1)	15F-19								
		F5 - 13% Cr. (1)	15F-16								
		F304 - 18/8 (1)	15F-17								
		F316L - 18/8 (1)	15F-18L								

GLOBE VALVE Standard Port

CLASS 150-300-600-1500 - Integral Flanged Ends Bolted Bonnet - Bolted Gland - O.S.&Y.

BODY & TRIM MATL.			VALVE TYPE NO.	SIZE							
				1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2	
STANDARD PORT	150	F11 - 13% Cr. (1)	L1-39	PRICE ON APPLICATION							
		F5 - 13% Cr. (1)	L1-36								
		F304 - 18/8 (1)	L1-37								
		F316L - 18/8 (1)	L1-38L								
	300	F11 - 13% Cr. (1)	L3-39								
		F5 - 13% Cr. (1)	L3-36								
		F304 - 18/8 (1)	L3-37								
		F316L - 18/8 (1)	L3-38L								
	600	F11 - 13% Cr. (1)	L6-39								
		F5 - 13% Cr. (1)	L6-36								
		F304 - 18/8 (1)	L6-37								
		F316L - 18/8 (1)	L6-38L								
FULL PORT	1500	F11 - 13% Cr. (1)	15F-39								
		F5 - 13% Cr. (1)	15F-36								
		F304 - 18/8 (1)	15F-37								
		F316L - 18/8 (1)	15F-38L								

(1) Hard Faced Seats (1/2 Stellite)



CARBON FORGED STEEL VALVES

BONNEYFORGE

GATE VALVE

CLASS 800 - Bolted Bonnet - Bolted Gland - O.S.&Y. Threaded or Socket Weld Ends

BODY & TRIM MATL.		VALVE TYPE NO.	SIZE								
			1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2		
STAND. PORT	A105 - 13% Cr. (1)	HL-11	\$ 91	\$ 91	\$100	\$121	\$229	\$229	\$ 297	*	
	A105 - 18/8 (1)	HL-13	POA	282	333	408	POA	682	926		
	A105 - Monel	HL-14	POA	375	447	557	POA	980	1,448		
FULL PORT	A105 - 13% Cr. (1)	H-11	POA	154	210	370	POA	462	760	*	
	A105 - 18/8 (1)	H-13	PRICE ON APPLICATION								
	A105 - Monel	H-14									

GLOBE VALVE

CLASS 800 - Bolted Bonnet - Bolted Gland - O.S.&Y. Threaded or Socket Weld Ends

BODY & TRIM MATL.		VALVE TYPE NO.	SIZE								
			1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2		
STAND. PORT	A105 - 13% Cr. (1)	HL-31	\$140	\$140	\$161	\$210	\$410	\$ 410	\$ 525	*	
	A105 - 18/8 (1)	HL-33	POA	612	715	877	POA	1,706	2,160		
	A105 - Monel (1)	HL-34S (1)	PRICE ON APPLICATION								
FULL PORT	A105 - 13% Cr. (1)	H-31									
	A105 - 18/8 (1)	H-33									
	A105 - Monel (1)	H-34S (1)									

PISTON CHECK VALVE

CLASS 800 - Bolted Cap - Horizontal Installation Threaded or Socket Weld Ends

BODY & TRIM MATL.		VALVE TYPE NO.	SIZE								
			1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2		
STAND. PORT	A105 - 13% Cr. (1)	HL-41	\$131	\$131	\$140	\$165	\$323	\$323	\$ 453	*	
	A105 - 18/8 (1)	HL-43	POA	354	427	495	POA	877	1,304		
	A105 - Monel (1)	HL-44S (1)	PRICE ON APPLICATION								
FULL PORT	A105 - 13% Cr. (1)	H-41									
	A105 - 18/8 (1)	H-43									
	A105 - Monel (1)	H-44S (1)									

BALL CHECK VALVE

CLASS 800 - Bolted Cap - Horizontal Installation Threaded or Socket Weld Ends

BODY & TRIM MATL.		VALVE TYPE NO.	SIZE								
			1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2		
STAND. PORT	A105 - 13% Cr. (1)	HL-51	\$165	\$165	\$183	\$197	POA	\$364	\$ 506	*	
	A105 - 18/8 (1)	HL-53	POA	354	427	495	POA	877	1,304		
	A105 - Monel (1)	HL-54S (1)	PRICE ON APPLICATION								
FULL PORT	A105 - 13% Cr. (1)	H-51									
	A105 - 18/8 (1)	H-53									
	F5 - Monel (1)	H-54S (1)									

(1) Hard Faced Seats (1/2 Stellite)

* = Commodity Valves

SWING CHECK

CLASS 800 - Bolted Bonnet - Horiz. & Vert. Installation Threaded or Socket Weld Ends

BODY & TRIM MATL.		VALVE TYPE NO.	SIZE						
			1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2
STAND. PORT	A105 - 13% Cr. (1)	HL-61	-	\$275	\$ 334	\$ 538	POA	\$ 867	\$1,027
	A105 - 18/8 (1)	HL-63	-	829	1,026	1,342	POA	2,536	2,981
	A105 - Monel	HL-64	PRICE ON APPLICATION						
FULL PORT	A105 - 13% Cr. (1)	H-61							
	A105 - 18/8 (1)	H-63							
	A105 - Monel	H-64							

GATE VALVE

CLASS 800 - Seal Welded Bonnet - Bolted Gland - O.S.&Y. Threaded or Socket Weld Ends

BODY & TRIM MATL.		VALVE TYPE NO.	SIZE						
			1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2
STAND. PORT	A105 - 13% Cr. (1)	WL-11	\$ 91	\$ 91	\$100	\$128	\$235	\$235	\$293
	A105 - 18/8 (1)	WL-13	PRICE ON APPLICATION						
	A105 - Monel	WL-14							
FULL PORT	A105 - 13% Cr. (1)	W-11							
	A105 - 18/8 (1)	W-13							
	A105 - Monel	W-14							

GLOBE VALVE

CLASS 800 - Seal Welded Bonnet - Bolted Gland - O.S.&Y. Threaded or Socket Weld Ends

BODY & TRIM MATL.		VALVE TYPE NO.	SIZE						
			1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2
STAND. PORT	A105 - 13% Cr. (1)	WL-31	POA	\$146	\$169	\$218	POA	\$475	\$613
	A105 - 18/8 (1)	WL-33	PRICE ON APPLICATION						
	A105 - Monel (1)	WL-34S (1)							
FULL PORT	A105 - 13% Cr. (1)	W-31							
	A105 - 18/8 (1)	W-33							
	A105 - Monel (1)	W-34S (1)							

PISTON CHECK VALVE

CLASS 800 - Seal Welded Bonnet - Horizontal Installation Threaded or Socket Weld Ends

BODY & TRIM MATL.		VALVE TYPE NO.	SIZE						
			1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2
STAND. PORT	A105 - 13% Cr. (1)	WL-41	PRICE ON APPLICATION						
	A105 - 18/8 (1)	WL-43							
	A105 - Monel (1)	WL-44S (1)							
FULL PORT	A105 - 13% Cr. (1)	W-41							
	A105 - 18/8 (1)	W-43							
	A105 - Monel (1)	W-44S (1)							

(1) Hard Faced Seats (1/2 Stellite)

* = Commodity Valves



CARBON FORGED STEEL VALVES

BONNEYFORGE

BALL CHECK VALVE

CLASS 800 - Seal Welded Bonnet - Horizontal Installation Threaded or Socket Weld Ends

BODY & TRIM MATL.		VALVE TYPE NO.	SIZE					
			1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2
STAND. PORT	A105 - 13% Cr. (1)	WL-51	PRICE ON APPLICATION					
	A105 - 18/8 (1)	WL-53						
	A105 - Monel (1)	WL-54S (1)						
FULL PORT	A105 - 13% Cr. (1)	W-51						
	A105 - 18/8 (1)	W-53						
	A105 - Monel (1)	W-54S (1)						

GLOBE VALVE

CLASS 800 - Seal Welded Bonnet - Bolted Gland - "Y" Pattern Threaded or Socket Weld Ends

BODY & TRIM MATL.		VALVE TYPE NO.	SIZE					
			1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2
FULL PORT	A105 - 13% Cr. (2)	Y-32	PRICE ON APPLICATION					
	A105 - 18/8 (1)	Y-33						
	A105 - Monel (1)	Y-34S (1)						

PISTON CHECK VALVE

CLASS 800 - Seal Welded Bonnet - "Y" Pattern Threaded or Socket Weld Ends

BODY & TRIM MATL.		VALVE TYPE NO.	SIZE					
			1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2
FULL PORT	A105 - 13% Cr. (2)	Y-42	PRICE ON APPLICATION					
	A105 - 18/8 (1)	Y-43						
	A105 - Monel (1)	Y-44S (1)						

GATE & GLOBE VALVE

CLASS 1500 - Bolted Bonnet - Bolted Gland - O.S.&Y. Threaded or Socket Weld Ends

BODY & TRIM MATL.		VALVE TYPE NO.	SIZE							
			1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2	
STANDARD PORT	GATE	A105 - 13% Cr. (1)	9HL-11	POA	\$516	\$567	\$671	POA	\$1,083	\$1,483
		A105 - 18/8 (1)	9HL-13	PRICE ON APPLICATION						
		A105 - Monel	9HL-14							
	GLOBE	A105 - 13% Cr. (2)	9HL-32	POA	570	628	732	POA	1,090	1,491
		A105 - 18/8 (1)	9HL-33	PRICE ON APPLICATION						
		A105 - Monel (1)	9HL-34S (1)							

(1) Hard Faced Seats (1/2 Stellite)

(2) Hard Faced Seats and Disc (FHF)

PISTON - BALL & SWING CHECK VALVE

CLASS 1500 - Bolted CAP Threaded or Socket Weld Ends

BODY & TRIM MATL.			VALVE TYPE NO.	SIZE						
				1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2
STANDARD PORT	PISTON	A105 - 13% Cr. (1)	9HL-41	POA	\$510	\$555	\$746	POA	\$1,060	\$1,451
		A105 - 18/8 (1)	9HL-43	PRICE ON APPLICATION						
		A105 - Monel (1)	9HL-44S (1)							
	BALL	A105 - 13% Cr. (1)	9HL-51							
		A105 - 18/8 (1)	9HL-53							
		A105 - Monel (1)	9HL-54S (1)							
	SWING	A105 - 13% Cr. (1)	9HL-61							
		A105 - 18/8 (1)	9HL-63							
		A105 - Monel	9HL-64							

GATE VALVE

CLASS 2500 - Seal Welded Bonnet - Bolted Gland - O.S.&Y. Threaded or Socket Weld Ends

BODY & TRIM MATL.			VALVE TYPE NO.	SIZE						
				1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2
FULL PORT	A105 - 13% Cr. (2)	25W-12	PRICE ON APPLICATION							
	A105 - 18/8 (1)	25W-13								
	A105 - Monel	25W-14 (1)								

GLOBE VALVE

CLASS 2500 - Seal Welded Bonnet - Bolted Gland - O.S.&Y. Threaded or Socket Weld Ends

BODY & TRIM MATL.			VALVE TYPE NO.	SIZE						
				1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2
FULL PORT	A105 - 13% Cr. (2)	25W-32	PRICE ON APPLICATION							
	A105 - 18/8 (1)	25W-33								
	A105 - Monel (1)	25W-34S (1)								

GATE VALVE

CLASS 800 - Extended Bonnet - Bolted Gland - O.S.&Y. BELLOWS SEALED** - Threaded or Socket Weld Ends Seal Welded (WB) and Bolted Bonnet (BB)

BODY & TRIM MATL.			VALVE TYPE NO.	SIZE						
				1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2
STAND PORT	A105 - 13% Cr. (2) BB	SL-12	PRICE ON APPLICATION							
	A105 - 13% Cr. (2) WB	SWHL-12								
FULL PORT	A105 - 13% Cr. (2) BB	S-12								
	A105 - 13% Cr. (2) WB	SWH-12								

(1) Hard Faced Seats (1/2 Stellite)

(2) Hard Faced Seats and Disc (FHF)

** Bellows Sealed Valves are available in all valve configurations and material grades – Price on Application



CARBON FORGED STEEL VALVES

BONNEYFORGE

GLOBE VALVE

**CLASS 800 - Extended Bonnet - Bolted Gland - O.S.&Y.
BELLOWS SEALED** - Threaded or Socket Weld Ends
Seal Welded (WB) and Bolted Bonnet (BB)**

BODY & TRIM MATL.		VALVE TYPE NO.	SIZE					
			1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2
FULL STAND. PORT	A105 - 13% Cr. (2) BB	SL-32	PRICE ON APPLICATION					
	A105 - 13% Cr. (2) WB	SWHL-32						
	A105 - 13% Cr. (2) BB	S-32						
	A105 - 13% Cr. (2) WB	SWH-32						

GATE VALVE VALVOLET®

**CLASS 800 - Seal Welded Bonnet - Bolted Gland - O.S.&Y.
Female End - Threaded or Socket Weld
Male End - Extended WELDOLET® or Lip End**

BODY & TRIM MATL.		VALVE TYPE NO.	SIZE							
			1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2	
STAND. PORT	A105 - 13% Cr. (1)	VOLL-11	POA	\$302	\$321	\$382	POA	\$786	\$1,138	*
	A105 - 18/8 (1)	VOLL-13	PRICE ON APPLICATION							
	A105 - Monel	VOLL-14 (1)								

GATE VALVE Extended Body

**CLASS 800 - Seal Welded Bonnet/Bolted Bonnet - Bolted Gland - O.S.&Y.
Threaded or Socket Weld Ends - Male Thread x Female Thread
Male Plain x Female Thread
Male Thread x Female SW
Male Plain x Female SW**

BODY & TRIM MATL.		VALVE TYPE NO.	SIZE							
			1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2	
STAND. PORT	A105 - 13% Cr. (1)	MFL-11/ML-11	POA	\$142	\$162	\$203	POA	\$384	\$778	*
	A105 - 18/8 (1)	MFL-13	PRICE ON APPLICATION							
	A105 - Monel	MFL-14								

GATE VALVE

**CLASS 150-300-600-1500 - Integral Flanged Ends
Bolted Bonnet - Bolted Gland - O.S.&Y.**

BODY & TRIM MATL.		VALVE TYPE NO.	SIZE								
			1/2	3/4	1	1 1/4	1 1/2	2	3		
STANDARD PORT	150	A105 - 13% Cr. (1)	L1-11	\$ 200	\$ 238	\$ 289	-	\$ 386	\$ 569	\$ 921	*
		A105 - 18/8 (1)	L1-13	PRICE ON APPLICATION							
		A105 - Monel	L1-14								
	300	A105 - 13% Cr. (1)	L3-11	223	259	311	-	486	668	-	*
		A105 - 18/8 (1)	L3-13	PRICE ON APPLICATION							
		A105 - Monel	L3-14								
	600	A105 - 13% Cr. (1)	L6-11	296	320	385	-	615	847	-	*
		A105 - 18/8 (1)	L6-13	PRICE ON APPLICATION							
		A105 - Monel	L6-14								
FULL PORT	1500	A105 - 13% Cr.	15F-12	1,669	2,090	2,403	-	3,628	4,931	-	*
		A105 - 18/8 (1)	15F-13	PRICE ON APPLICATION							
		A105 - Monel	15F-14								

(1) Hard Faced Seats (1/2 Stellite)

(2) Hard Faced Seats and Disc (FHF)

* = Commodity Valves

** Bellows Sealed Valves are available in all valve configurations and material grades – Price on Application

GLOBE CHECK

CLASS 150-300-600-1500 - Integral Flanged Ends Bolted Bonnet - Bolted Gland - O.S.&Y.

BODY & TRIM MATL.			VALVE TYPE NO.	SIZE							
				1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2	
STANDARD PORT	150	A105 - 13% Cr. (1)	L1-31	-	\$480	\$517	\$540	-	\$884	\$1,247	*
		A105 - 18/8 (1)	L1-33	PRICE ON APPLICATION							
		A105 - Monel (1)	L1-34S (1)	PRICE ON APPLICATION							
	300	A105 - 13% Cr. (1)	L3-31	-	487	526	550	-	900	1,269	*
		A105 - 18/8 (1)	L3-33	PRICE ON APPLICATION							
		A105 - Monel (1)	L3-34S (1)	PRICE ON APPLICATION							
	600	A105 - 13% Cr. (1)	L6-31	-	499	545	577	-	923	1,296	*
		A105 - 18/8 (1)	L6-33	PRICE ON APPLICATION							
		A105 - Monel (1)	L6-34S (1)	PRICE ON APPLICATION							
FULL PORT	1500	A105 - 13% Cr. (1)	15F-31	PRICE ON APPLICATION							
		A105 - 18/8 (1)	15F-33	PRICE ON APPLICATION							
		A105 - Monel (1)	15F-34S (1)	PRICE ON APPLICATION							

PISTON CHECK VALVE

CLASS 150-300-600-1500 - Integral Flanged Ends Bolted Cap

BODY & TRIM MATL.			VALVE TYPE NO.	SIZE							
				1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2	
STANDARD PORT	150	A105 - 13% Cr. (1)	L1-41	-	\$422	\$500	\$544	-	\$845	\$1,253	*
		A105 - 18/8 (1)	L1-43	PRICE ON APPLICATION							
		A105 - Monel (1)	L1-44S (1)	PRICE ON APPLICATION							
	300	A105 - 13% Cr. (1)	L3-41	-	431	507	552	-	860	1,277	*
		A105 - 18/8 (1)	L3-43	PRICE ON APPLICATION							
		A105 - Monel (1)	L3-44S (1)	PRICE ON APPLICATION							
	600	A105 - 13% Cr. (1)	L6-41	-	460	549	606	-	936	1,386	*
		A105 - 18/8 (1)	L6-43	PRICE ON APPLICATION							
		A105 - Monel (1)	L6-44S (1)	PRICE ON APPLICATION							
FULL PORT	1500	A105 - 13% Cr. (1)	15F-41	PRICE ON APPLICATION							
		A105 - 18/8 (1)	15F-43	PRICE ON APPLICATION							
		A105 - Monel (1)	15F-44S (1)	PRICE ON APPLICATION							

BALL CHECK VALVE

CLASS 150-300-600-1500 - Integral Flanged Ends Bolted Cap

BODY & TRIM MATL.			VALVE TYPE NO.	SIZE						
				1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2
STANDARD PORT	150	A105 - 13% Cr. (1)	L1-51	PRICE ON APPLICATION						
		A105 - 18/8 (1)	L1-53	PRICE ON APPLICATION						
		A105 - Monel (1)	L1-54S (1)	PRICE ON APPLICATION						
	300	A105 - 13% Cr. (1)	L3-51	PRICE ON APPLICATION						
		A105 - 18/8 (1)	L3-53	PRICE ON APPLICATION						
		A105 - Monel (1)	L3-54S (1)	PRICE ON APPLICATION						
	600	A105 - 13% Cr. (1)	L6-51	PRICE ON APPLICATION						
		A105 - 18/8 (1)	L6-53	PRICE ON APPLICATION						
		A105 - Monel (1)	L6-54S (1)	PRICE ON APPLICATION						
FULL PORT	1500	A105 - 13% Cr. (1)	15F-51	PRICE ON APPLICATION						
		A105 - 18/8 (1)	15F-53	PRICE ON APPLICATION						
		A105 - Monel (1)	15F-54S (1)	PRICE ON APPLICATION						

(1) Hard Faced Seats (1/2 Stellite)

* = Commodity Valves



CARBON FORGED STEEL VALVES

BONNEYFORGE

SWING CHECK VALVE

CLASS 150-300-600-1500 - Integral Flanged Ends Bolted Cap - Bolted Gland - O.S.&Y.

BODY & TRIM MATL.			VALVE TYPE NO.	SIZE					
				1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2
STANDARD PORT	150	A105 - 13% Cr. (1)	L1-61	PRICE ON APPLICATION					
		A105 - 18/8 (1)	L1-63						
		A105 - Monel	L1-64						
	300	A105 - 13% Cr. (1)	L3-61						
		A105 - 18/8 (1)	L3-63						
		A105 - Monel	L3-64						
	600	A105 - 13% Cr. (1)	L6-61						
		A105 - 18/8 (1)	L6-63						
		A105 - Monel	L6-64						
FULL PORT	1500	A105 - 13% Cr. (1)	15F-61						
		A105 - 18/8 (1)	15F-63						
		A105 - Monel	15F-64						

GLOBE VALVE

CLASS 1690 - Seal Welded Bonnet - Bolted Gland - "Y" Pattern Threaded or Socket Weld Ends

BODY & TRIM MATL.			VALVE TYPE NO.	SIZE					
				1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2
FULL PORT		A105 - 13% Cr. (2)	1690Y-32	PRICE ON APPLICATION					

GLOBE VALVE

CLASS 2680 - Seal Welded Bonnet - Bolted Gland - "Y" Pattern Threaded or Socket Weld Ends

BODY & TRIM MATL.			VALVE TYPE NO.	SIZE					
				1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2
FULL PORT		A105 - 13% Cr. (2)	2680Y-32	PRICE ON APPLICATION					

GATE VALVE

CLASS 2500 - Integral Flange Ring Joint Bolted Bonnet Bolted Gland - O.S.&Y.

BODY & TRIM MATL.			VALVE TYPE NO.	SIZE					
				1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2
		A105 - 13% Cr. (1)	25RF-11	PRICE ON APPLICATION					
		A105 - 18/8 (1)	25RF-13						
		A105 - Monel	25RF-14						

- (1) Hard Faced Seats (1/2 Stellite)
- (2) Hard Faced Seats and Disc (FHF)

GLOBE CHECK

**CLASS 2500 - Integral Flange
Ring Joint Bolted Bonnet
Bolted Gland - O.E.&Y.**

BODY & TRIM MATL.	VALVE TYPE NO.	SIZE						
		1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2
A105 - 13% Cr. (1)	25RF-31	PRICE ON APPLICATION						
A105 - 18/8 (1)	25RF-33							
A105 - Monel (1)	25RF-34S (1)							

PISTON CHECK VALVE

**CLASS 2500 - Integral Flange
Ring Joint Bolted Cap**

BODY & TRIM MATL.	VALVE TYPE NO.	SIZE						
		1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2
A105 - 13% Cr. (1)	25RF-41	PRICE ON APPLICATION						
A105 - 18/8 (1)	25RF-43							
A105 - Monel (1)	25RF-44S (1)							

BALL CHECK VALVE

**CLASS 2500 - Integral Flange
Ring Joint Bolted Cap**

BODY & TRIM MATL.	VALVE TYPE NO.	SIZE						
		1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2
A105 - 13% Cr. (1)	25RF-51	PRICE ON APPLICATION						
A105 - 18/8 (1)	25RF-53							
A105 - Monel (1)	25RF-54S (1)							

SWING CHECK VALVE

**CLASS 2500 - Integral Flange
Ring Joint Bolted Cap**

BODY & TRIM MATL.	VALVE TYPE NO.	SIZE						
		1/4 - 3/8	1/2	3/4	1	1 1/4	1 1/2	2
A105 - 13% Cr. (1)	25RF-61	PRICE ON APPLICATION						
A105 - 18/8 (1)	25RF-63							
A105 - Monel	25RF-64							

(1) Hard Faced Seats (1/2 Stellite)



VALVE COMPARISON CHART

BONNEYFORGE

Bonney Valve	Vogt	Smith	RP&C
HL-11	12111	0800	F56
HL-13	12111 F8M	0800 0A0D0	EF56A
HL-14	12111 MM	0800 0B0B0	EF56M
H-11	13111	08880	F056
HL-31	12141	0G80	F80
HL-33	12141 F8M	0G80 0A0D0	F80A
HL-34S	12141 MM	0G80 0B0B0	F80M
HL-39	12351	G80 K0000	K80
HL-36	12601	G80 C0000	C80
HL-38L	12501	G80 DA0D0	S80
HL-41	701	0C80	F90
HL-43	701 F8M	0C80 0A0D0	F90A
HL-44S	701 MM	0C80 0B0B0	F90M
H-31	13141		
H-41	13701		
WL-11	2801	0870	EFWB56
15F-31	15493		
L1-41	573		F190
L3-41	583	C83	F390
L3-43	583 F8M	C83 0A0D0	F390A
L3-44S	583 MM	C83 0B0B0	F390M
L6-41	593	C86	F690
L6-43	593 F8M	C86 0A0D0	F690A
L6-44S	593 MM	C86 0B0B0	F690M
15F-41	15593		
9Y-31			
9W-11		1578	
HL-19	12321	0800 K0000	EK56
HL-16	12421	0800 C0000	EC56
HL-18L	12401	0800 DA0D0	ES56
WL-31	2821	0G87	FWB80D
WL-33		0G87 0A000	
WL-34S		0G87 0B000	
9HL-11	15111	1588	EF556E
9HL-13	15111 F8M	1588 0A0D0	
9HL-14		1588 0B0B0	
25Y-41	2610		
MFL-11	TT2801	876	EFWB51
L1-11	353	0815	EF158
L1-13	353 F8M	0815 0A0D0	EF158A
L1-14	353 MM	0815 0B0B0	EF158M
L3-11	363	0830	EF308
L3-13	363 F8M	0830 0A0D0	EF308A
L3-14	363 MM	0830 0B0B0	EF308M
L6-11	373	0860	EF608
L6-13	373 F8M	0860 0A0D0	EF608A
L6-14	373 MM	0860 0B0B0	EF608M
15F-12	15373		
L1-31	473	G81	F180
L3-31	483	G83	F380
L3-33	483 F8M	G83 0A0D0	
L3-34S	483 MM	G83 0B0B0	
L6-31	493	G86	F680
L6-33	493 F8M	G86 0A0D0	

Bonney Valve	Vogt	Smith	Edwards	RP&C
L6-34S	493 MM	G86 0B0B0		
H-13	13111 F8M	0888 0A0D0		
H-14	13111 MM	0888 0B0B0		
H-16		0888 C0000		
H18-L		0888 DA0D0		
H-19		0888 K0000		
HL-49		C80 K000		
HL-46		C80 C000		
HL-48L	718			
WL-13		0870 0A0000		
WL-14	2801 MM	0870 0B000		
WL-19		0870 K0000		
WL-18L	2831	0870 0A0000		ESWB56
W-11		5870		
W-13		5870 0A000		
W-14		5870 0B000		
W-19		5870 K0000		
W-18L		587 DA0000		
9HL-19		1588 K0000		
9HL-18L	15401	1588 DA0D0		ES556E
VOLL-11		0875 00000		EFWB48D
VOLL-13		0875 0A000		EFWB48A
VOLL-14		0815 0B000		EFWB48M
VOLL-18L		0875 DA00		
L1-19		875 K0000		
L1-16		815 C0000		
L3-19		830 K0000		
L3-16		830 C0000		
L6-19		860 K0000		
L6-16		860 C0000		
L3-37		G83 K0000		
L3-36		G83 C0000		
L3-49		C83 K0000		
L3-46		C83 C0000		
L6-32			828	
L6-32-SL			858	
L6-46		C86 C000		
L6-49		C86 K0000		
15F-32			1028	
15F-42-SL			1058	
9Y-32-T	1510		3620	
9Y-32-SW	SW 1510		3624	
9Y-32-BW			3628	
9Y-42-T-SL			3670	
9Y-42-SW-SL			3674	
9Y-42-BW-SL			3678	
W9-32-SW			3724	
25Y-32-T	2510		6620	
25Y-32-SW	SW 2510		6624	
25Y-32-BW			6628	
25Y-42-T-SL	2610		6670	
25Y-42-SW-SL	SW 2610		6674	
25Y-42-BW-SL			6678	
25W-32-SW	SW 66723		6724	



GENERAL TERMS AND CONDITIONS OF SALE OF:

BONNEY FORGE

(hereafter referred to as "BF")

WARRANTY	<p>BF expressly warrants to the Purchaser (the "Purchaser") that all BF products (each, a "Product") will be free from manufacturing defects for the one (1) year period immediately following the date of shipment (the "Warranty Period"). BF HEREBY DISCLAIMS ALL OTHER WARRANTIES WITH RESPECT TO BOTH THE PRODUCTS AND THIS AGREEMENT, INCLUDING THESE TERMS AND CONDITIONS, WHETHER EXPRESS OR IMPLIED INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE. The foregoing warranty shall not apply: (1) to any use of a Product in aircraft or aerospace applications ("Prohibited Applications"), (2) if a Product was not used as recommended and in accordance with approved in-stallation and operating practices, (3) if the failure of a Product results from any cause other than a manufacturing defect, including but not limited to damage due to corrosive, abrasive, or other wear normally to be expected in the use of the Product, (4) if the Product was modified or changed (unless written approval was given in advance by BF), and (5) if Purchaser fails to deliver written notice of such defect to BF during the Warranty Period.</p>
EXCLUSIONS	<p>Do not use BF Products in aircraft or aerospace applications. Purchaser assumes all risk of loss that arise from or relate to any use of Product in a Prohibited Application, and Purchaser shall, at its expense, indemnify, defend and hold BF harmless against all claims or losses (including legal and accounting fees) that arise from or relate to the use of any Product in a Prohibited Application.</p>
PURCHASER'S REMEDIES	<p>Purchaser's remedies with respect to any Product furnished by BF hereunder that is found not to be in conformity with the terms and conditions of the contract because of breach of contract, breach of express or implied warranty, or negligence shall be limited exclusively to the right of replacement of such defective Product or, at the option of BF, repayment of the sale price for the particular Product that gives rise to the claim. BF shall have no liability to Purchaser or to any other person, in tort, contract or otherwise, for claims, losses, damages or injuries arising out of this purchase or use of any Product, except for the return by BF of an amount not in excess of the payments made by Purchaser to BF for the particular Products giving rise to Purchaser's claim. IN NO EVENT SHALL COMPANY BE LIABLE TO PURCHASER OR ANY THIRD PARTY FOR ANY CONSEQUENTIAL OR SPECIAL DAMAGES OR LOST PROFITS, INCLUDING, WITHOUT LIMITATION, CONSEQUENTIAL OR SPECIAL DAMAGES FOR LOSS OF GOOD WILL, WORK STOPPAGE, LOSS OF WORK PRODUCT, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, DIRECT OR INDIRECT, EVEN IF BF HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR LOSSES.</p>
PRICES	<p>Prices, and other terms of sale and payment, are subject to change without notice. Unless a contrary provision appears in this price schedule, quotation or order acknowledgement, prices may be withdrawn without notice at any time. Stenographic or clerical errors are subject to correction.</p>
ACCEPTANCE OF ORDERS	<p>All orders are subject to BF credit department approval prior to acceptance by BF. No assignment of the Purchaser's rights may be made without the prior, written consent of BF.</p>
REMITTANCES	<p>All accounts are payable in United States funds, free of exchange, collection, or any other charges. If, in the sole discretion of BF, the financial condition of the Purchaser at any time so requires, BF retains the right to require full or partial payment in advance.</p>
PARTIAL SHIPMENTS AND PAYMENTS	<p>BF reserves the right to make partial shipments from time to time, and to render invoices therefore which shall be due and payable as provided in said invoices and the paragraph entitled "Remittances". If the Purchaser becomes overdue in any such partial payment, BF shall be entitled to suspend work and/or avail itself other legal remedies.</p>
TAXES	<p>Unless otherwise specifically noted, the amount of any federal, state or local sales, use, occupancy, excise tax, or other tax of any nature, for which BF is legally liable, either intentionally or through failure of payment by Purchaser, shall be added or be in addition to the price quoted and Purchaser agrees to pay the same to BF.</p>
SHORTAGES AND DAMAGES IN TRANSIT	<p>All Product shall be delivered F.O.B. Shipping Point, and Purchaser shall thereupon assume all risk of loss. Claims for shortages must be made in writing within ten days after receipt of shipment.</p>
DELAYS	<p>All shipping dates are good faith estimates by BF, however, BF makes no guarantee to ship on any date. BF shall assume no obligation to ship Products on any date, and BF shall not be liable for the failure to ship Product on any date. Materials slated to be in stock are subject to prior sales.</p>
CANCELLATIONS AND SUSPENSIONS	<p>Purchaser may cancel this order or contract, or delay work or delivery, only upon receipt of written notification by BF and with BF's prior consent, and upon agreement to pay BF's adjustment charge. Orders for special products (usually "price on application items") may be changed and/or cancelled only upon receipt of written instructions by BF and with BF's prior consent, and Purchaser shall make payment to BF for material used and work already performed.</p>
RETURN OF MATERIAL	<p>No Product may be returned without the prior written consent of BF. All goods returned are subject to a handling charge plus freight in both directions and charges for any required reconditioning, unless otherwise specified in writing by BF.</p>
INDEMNITY	<p>Purchaser shall, at its expense, indemnify, defend and hold BF harmless against all claims or losses (including legal and accounting fees) that arise from or relate to any suit that alleges that BF infringed the rights of any third party with respect to any Product manufactured by BF pursuant to specifications or designs provided to BF by Purchaser.</p>
GOVERNING LAW	<p>The contract shall be governed by, construed, and enforced in accordance with the laws of the Commonwealth of Pennsylvania without regard to the conflict-of-law doctrines of any jurisdiction.</p>
NO WAIVER	<p>The failure of BF to exercise any of its rights under this Agreement for a breach thereof shall not be deemed to be a waiver of such rights nor shall the same be deemed to be a waiver of any subsequent breach.</p>
DIES, TOOLS AND PATTERNS	<p>Dies, tools and patterns used by BF to produce any Product (collectively, the "Material") shall be and remain the exclusive property of BF. Payment by Purchaser of any preparation charge with respect to such Material shall not give Purchaser any right, title or interest in or to such Material. BF shall not be responsible for retention of dies or patterns on which no orders are received for two years or more.</p>
MISCELLANEOUS	<p>This Agreement, together with these Terms and Conditions, constitute the entire understanding between the parties with respect to the subject matter hereof and supersede any and all prior understandings, statements, warranties, representations, and agreements, oral and written, relating hereto. Neither party shall be liable to the other under this Agreement if delayed or prevented from performance by causes beyond its control including, but not limited to, fires, floods, strikes, acts of God, war, insurrection, governmental restrictions, or other causes of a like or different nature. No change, alteration, modification, or addition to this Agreement shall be effective unless in writing and properly executed by the parties hereto. The contract shall be subject to the terms and conditions contained or referred to in BF's price schedule, quotation or order acknowledgments and in no others whatsoever. In the event of any discrepancy or inconsistency between these Terms and Conditions and any other purchase order or acceptance form used by Purchaser in connection herewith, the terms of this Agreement shall govern, and such purchase order or acceptance form shall not amend, modify or add to the terms of this Agreement.</p>