

"Apollo" Valves

Top Entry Valves



price list

aalberts-ips.us

customer service 704.841.6000

TEPL-0526



integrated
piping systems



TOP ENTRY VALVE PRICE LIST

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TOP ENTRY VALVE PRICE LIST

CARBON STEEL CASTING

C - ASTM A216 GRADE WCB

L - A352 LCC
LOW-TEMP SERVICE

P - A217 C12
CHROMIUM-MOLYBDENUM
HIGH-TEMP SERVICE

STAINLESS STEEL CASTING

S - ASTM A351 GRADE CF8M
(316 SS)

A - A351 CN7M
(ALLOY 20)

B - A351 CF3M*
(316L)

G - A351 CG8M
(317 SS)

J - A995 CD3MN
(2205 DUPLEX)

K - A995 CD3MWCUN
(2507 SUPER DUPLEX)

R - A351 CN3MN
(AL6XN* SUPER AUSTENITIC)

W - A351 CK3MCUN
(254 SMO)

NICKEL BASED ALLOY CASTING

F - ASTM A494 GRADE
CW6MC
(INCONEL™ 625)

H - A494 CW12MW
(HASTELLOY® C)

M - A494 M35-1
(MONEL®)

N - A494 CZ100
COMMERCIAL PURE NICKEL

Y - A494 NI2MV
(HASTELLOY® B-2)

TITANIUM CASTING

T - ASTM B367 GR C3
COMMERCIAL PURE
TITANIUM

STAINLESS STEEL

S - 316 SS

A - ALLOY 20

B - 316L SS

E - 410 SS

J - 220S DUPLEX SS

K - 2507 SUPER DUPLEX SS

R - AL6XN

W - 254 SMO

NICKEL BASED

F - INCONEL

H - HASTELLOY C

M - M35-1 (MONEL)

D - HASTELLOY C STEM,
M35-1 BALL

N - NICKEL

Y - HASTELLOY

TITANIUM

T - TITANIUM

CLASS 150

STANDARD PORT

B - FLANGED

FULL PORT

E - FLANGED

CLASS 300

STANDARD PORT

C - FLANGED

D - NPT

G - NPT X SOCKET WELD

N - SOCKET WELD

P - BUTTWELD

R - FLG X BUTTWELD

S - RTJ FLANGES

FULL PORT

3 - BUTTWELD

F - FLANGED

L - NPT

M - SOCKET WELD

Y - NPT X SOCKET WELD

CLASS 600

STANDARD PORT

H - NPT

J - SOCKET WELD

K - FLANGED

Q - NPT X SOCKET WELD

W - BUTTWELD

FULL PORT

4 - NPT

6 - NPT X SOCKET WELD

7 - BUTTWELD

T - SOCKET WELD

U - FLANGED

MULTI-SEAL

L - MULTI-SEAL TFM, API-607 CERTIFIED (FIG 3)

M - MULTI-SEAL (FIG 1)

UHMWPE

6 - UHMWPE (FIG 2)

U - UHMWPE (FIG 1)

GRAPHITE ("HARD" SEAT TIGHTNESS)

4 - CARBON GRAPHITE, 750°F MAX. (FIG 1)

H - HIGH TEMP GRAPHITE, 1000°F MAX. (FIG 1)

PEEK ("HARD" SEAT TIGHTNESS)

8 - PEEK (FIG 2)

B - PEEK, 30% CARBON REINFORCED (FIG 2)

CERAMIC ("HARD" SEAT TIGHTNESS)

9 - CERAMIC (FIG 4)

NYLON

N - NYLON

ADDITIONAL SEATS

5 - 55% BRONZE, 5% MOLY (FIG 2)

C - PFA (FIG 2)

D - SRPTFE, 60% SS, 40% TFE BY WEIGHT, 50% SS MIN (FIG 2)

G - PCTFE (FIG 2)

J - PFA, API-607 CERTIFIED (FIG 3)

NOTE

FIGURE NUMBERS INDICATE SEAT DESIGN. SEE "SEAT DATA" SECTION IN BVBI SECTION N

SEAT CODE ALSO DICTATES DEFAULT SEAL MATERIAL AND DEFAULT SUFFIX. SEE "MATERIALS" SECTION IN BVBI SECTION N

PRESSURE-TEMPERATURE RATINGS ARE FOUND IN THE "PRESSURE-TEMPERATURE RATINGS" SECTION IN BVBI SECTION N

* Flanged Valves Only - CF3M
() Represents Close Wrought Equivalent



TOP ENTRY VALVE PRICE LIST

NOTE: NOT ALL OPTIONS LISTED ARE COMPATIBLE OR AVAILABLE. CONSULT FACTORY FOR AVAILABILITY OF UNLISTED OPTIONS.

8	24	MODEL REVISION (FACTORY ASSIGNED)
SIZE (IN.)	OPTIONS	
3 - 1/2" 4 - 3/4" 5 - 1" 7 - 1.5" 8 - 2" 0 - 3" A - 4" C - 6" E - 8" G - 10" H - 12"	-01 DEFAULT SUFFIX FOR "M" AND "G" SEATS -24- DEFAULT SUFFIX FOR 4, 5, 6, 8, 9, B, C, D, H, J, L, N, U SEATS OPTIONAL FEATURES MAY BE USED ALONE OR IN COMBINATION (SIMPLY ADD THE SUFFIXES TO THE PRODUCT NUMBER IN THE ORDER LISTED BELOW) NOTE: THE "-01" SUFFIX IS NOT USED IF THERE ARE ADDITIONAL SUFFIXES NOTE: NOT ALL COMBINATIONS ARE AVAILABLE ON ALL VALVES -04- 2.25" STEM EXTENSION -10- STAINLESS PIPE HANDLE (3" & LARGER CARBON STEEL ONLY) -14- VENTED BODY DESIGN -15- WHEEL HANDLE, STAINLESS STEEL -24- GRAPHITE PACKING & SPIRAL WOUND GRAPHITE GASKET--NOT ALWAYS FIRE SAFE -26- VENTED & CLEANED FOR CHLORINE SERVICE (CS, HC, & MO ONLY) -45- NO LEVER OR NUT -- BARE STEM -49- ASSEMBLED DRY -- NO LUBRICATION -57- OXYGEN CLEANED -67- CLEANED FOR INDUSTRIAL GASES -70- EXTENDED BONNET -73- TFE PACKING, SPIRAL WOUND SEALS - TFE FILLERS -76- LIVE-LOADED - VALVE WITH LEVER -77- LIVE-LOADED - VALVE WITH GEAR OR ACTUATOR -82- FLAT FACED FLANGES -90- DOUBLE PACKED EXTENDED BONNET -9P- DOUBLE PACKED EXTENDED BONNET WITH PORT -BB- TITANIUM & GRAPHITE SPIRAL WOUND BONNET GASKET -BC- ASTM A193 GRADE B7 BOLTS -BT- TEFLON COATED ASTM A193 GRADE B7 FASTENERS -CB- CERAMIC BALL ONLY -CS- CERAMIC SEAT ONLY -DF- DELTA FERRITE REPORT (SS ONLY) -DP- DYE PENETRANT -EP- V-RING GRAPHITE PACKING -KB- KOLSTERISED BALL -MG- MANUAL GEAR OPERATOR -MH- MANUAL GEAR OPERATOR WITH LOCKOUT -MJ- MANUAL GEAR OPERATOR WITH OVERSIZE HANDWHEEL -MK- MANUAL GEAR OPERATOR WITH OVERSIZE HANDWHEEL & LOCKOUT -MP- POSITIVE MATERIAL IDENTIFICATION -NC- NACE CERTIFIED (RC 22 MAX) -NO- TITANIUM BOLTS -PG- NO PLASTISOL GRIP ON LEVER (USED IN TOBACCO PLANTS) -RS- BLOW-OUT PROOF WELDED BALL STOP WITH SAFETY CAP -SR- SPRING RETURN -TC- HYDROSTATIC TEST WITH CERTIFIED REPORT -TD- TEST TO API 6D WITH CERTIFICATION -TM- MATERIAL TRACEABILITY -TR- HYDROSTATIC TEST WITH CERTIFICATION & MTR -TW- HYDROSTATIC TEST WITH WITNESS & CERTIFICATION BUTT WELD BUTT WELD VALVES INCLUDE A SUFFIX THAT SPECIFIES THE END PREPARATION E.G. SCHEDULE W1(SCH10), W4(SCH40), W8(SCH80), ETC... <i>NOTE: This is a very limited list of the available options. Contact the factory for specific requirements and availability.</i>	<div style="background-color: yellow; padding: 10px; border: 1px solid black;"> <p>EXAMPLE: CSJL424A</p> <p>Carbon Steel Body 316 SS Trim Class 600 Standard Port Socket Weld Ends API-607, Multiseal Seat 3/4" Spiral Wound Flexible Graphite Gasket Flexible Graphite Packing Model Revision = A</p> </div>



TOP ENTRY VALVE PRICE LIST

CLASS 150 FLANGED STANDARD PORT CARBON STEEL

PRODUCT NO.	CS-BM	CS-B5	CS-B4***	CS-B6 CS-BU	CS-BL CS-BD	CS-B8*** CS-BB***	CS-B9***	
SEAT STYLE	M - MULTI-SEAL (TFM)	5-BRTFE	CARBON GRAPHITE	UHMWPE	L- MULTI-SEAL, API-607 D-SRTFE	8-PEEK B-CARBON REINF-PEEK	CERAMIC	
VALVE SIZE (IN.)								WT. LB.
1/2**	\$1,701.26	\$1,732.59	\$2,284.86	\$1,725.33	\$1,904.84	\$2,105.59	POA	7.00
3/4	\$1,611.06	\$1,642.36	\$2,194.63	\$1,635.14	\$1,814.56	\$2,014.08	POA	7.10
1	\$1,701.26	\$1,732.59	\$2,284.86	\$1,725.33	\$1,904.84	\$2,105.59	POA	7.30
1-1/2	\$2,296.02	\$2,353.44	\$3,190.86	\$2,335.38	\$2,521.88	\$3,046.42	POA	12.70
2	\$2,977.31	\$3,057.26	\$4,176.23	\$3,032.00	\$3,349.66	\$3,876.63	POA	20.40
3	\$6,396.80	\$6,645.17	\$8,471.61	\$6,605.40	\$7,159.52	\$7,876.02	POA	46.00
4	\$9,445.13	\$9,962.34	\$11,976.35	\$9,893.73	\$10,929.63	\$12,203.79	POA	72.00
6	\$17,356.10	\$18,163.12	\$22,072.31	\$18,051.23	\$19,812.31	POA	POA	191.00
8*	\$38,143.42	\$40,116.31	\$48,984.96	\$39,964.75	\$43,382.85	POA	N/A	326.00
10*	POA	POA	POA	POA	POA	POA	N/A	575.00

STAINLESS STEEL

PRODUCT NO.	SS-BM	SS-B5	SS-B4***	SS-B6 SS-BU	SS-BL SS-BD	SS-B8*** SS-BB***	SS-B9***	
SEAT STYLE	M - MULTI-SEAL (TFM)	5-BRTFE	CARBON GRAPHITE	UHMWPE	L- MULTI-SEAL, API-607 D-SRTFE	8-PEEK B-CARBON RE- INF-PEEK	CERAMIC	
VALVE SIZE (IN.)								WT. LB.
1/2**	\$2,002.20	\$2,031.30	\$2,561.70	\$2,024.39	\$2,197.97	\$2,388.34	POA	7.00
3/4	\$1,915.55	\$1,944.65	\$2,474.99	\$1,937.53	\$2,111.29	\$2,301.68	POA	7.10
1	\$2,002.20	\$2,031.30	\$2,561.70	\$2,024.39	\$2,197.97	\$2,388.34	POA	7.30
1-1/2	\$3,579.03	\$3,632.76	\$4,437.02	\$3,615.46	\$3,792.13	\$4,298.34	POA	12.70
2	\$4,123.03	\$4,201.32	\$5,272.40	\$4,173.55	\$4,480.67	\$4,988.17	POA	20.40
3	\$7,861.82	\$8,132.22	\$9,886.20	\$8,094.07	\$8,628.30	\$9,314.26	POA	46.00
4	\$12,430.04	\$12,915.82	\$14,850.10	\$12,849.96	\$13,849.88	\$15,068.51	POA	72.00
6	\$23,242.27	\$23,892.90	\$27,765.93	\$23,904.30	\$25,602.76	POA	POA	191.00
8*	\$46,140.32	\$48,030.57	\$56,547.46	\$47,884.91	\$51,177.65	POA	N/A	326.00
10*	POA	POA	POA	POA	POA	POA	N/A	575.00

NOTE: 1/2" and 3/4" valves are full port.

* Gear operator or actuator recommended. It is a requirement for 10" valves.

** 1/2" Flange bodies are not integral cast type, they are fabricated.

*** Ball stop is recommended with hard seats (#4, #8, and B).

Ball stop is required above 500°F or when using ceramic seats (#9).



TOP ENTRY VALVE PRICE LIST

CLASS 150 FLANGED FULL PORT CARBON STEEL

PRODUCT NO.	CS-EM	CS-E5	CS-E4***	CS-E6 CS-EU	CS-EL CS-ED	CS-E8*** CS-EB***	CS-E9***	
SEAT STYLE	M - MULTI-SEAL (TFM)	5-BRTFE	CARBON GRAPHITE	UHMWPE	L- MULTI-SEAL, API-607 D-SRTFE	8-PEEK B-CARBON REINF-PEEK	CERAMIC	
VALVE SIZE (IN.)								WT. LB.
1	\$2,328.73	\$2,387.54	\$3,237.11	\$2,369.24	\$2,558.43	\$3,090.57	POA	10.60
1-1/2	\$3,020.46	\$3,101.58	\$4,236.76	\$3,075.95	\$3,398.20	\$3,932.82	POA	18.80
2	\$6,489.50	\$6,741.47	\$8,594.38	\$6,701.13	\$7,263.29	\$7,990.17	POA	42.20
3	\$9,582.02	\$10,106.72	\$12,149.93	\$10,037.12	\$11,088.02	\$12,380.66	POA	74.50
4	\$17,607.64	\$18,426.36	\$22,392.19	\$18,312.82	\$20,099.45	POA	POA	168.70
6*	\$38,696.22	\$40,697.71	\$49,694.89	\$40,543.94	\$44,011.60	POA	POA	309.00
8*	POA	POA	POA	POA	POA	POA	POA	860.00
10*	POA	POA	POA	POA	POA	POA	POA	
12*	POA	POA	POA	POA	POA	POA	POA	

STAINLESS STEEL

PRODUCT NO.	SS-EM	SS-E5	SS-E4***	SS-E6 SS-EU	SS-EL SS-ED	SS-E8*** SS-EB***	SS-E9***	
SEAT STYLE	M - MULTI-SEAL (TFM)	5-BRTFE	CARBON GRAPHITE	UHMWPE	L- MULTI-SEAL, API-607 D-SRTFE	8-PEEK B-CARBON REINF-PEEK	CERAMIC	
VALVE SIZE (IN.)								WT. LB.
1	\$3,630.91	\$3,685.41	\$4,501.32	\$3,667.86	\$3,847.05	\$4,360.63	POA	10.60
1-1/2	\$4,182.78	\$4,262.22	\$5,348.82	\$4,234.03	\$4,545.61	\$5,060.47	POA	18.80
2	\$7,975.77	\$8,250.07	\$10,029.47	\$8,211.37	\$8,752.55	\$9,449.25	POA	42.20
3	\$12,603.15	\$13,103.11	\$15,065.31	\$13,036.19	\$14,050.58	\$15,286.89	POA	74.50
4	\$23,579.13	\$24,359.79	\$28,168.32	\$24,250.75	\$25,973.82	POA	POA	168.70
6*	\$46,809.02	\$48,726.66	\$57,366.99	\$48,578.89	\$51,919.36	POA	POA	309.00
8*	POA	POA	POA	POA	POA	POA	POA	860.00
10*	POA	POA	POA	POA	POA	POA	POA	
12*	POA	POA	POA	POA	POA	POA	POA	

* Gear operator or actuator recommended. It is a requirement for 8" and larger valves.

*** Ball stop is recommended with hard seats (#4, #8, B and H).

Ball stop is required above 500°F or when using ceramic seats (#9).



TOP ENTRY VALVE PRICE LIST

CLASS 300 FLANGED STANDARD PORT CARBON STEEL

PRODUCT NO.	CS-CM	CS-C5	CS-C4***	CS-C6 CS-CU	CS-CL CS-CD	CS-C8*** CS-CB***	CS-C9***	
SEAT STYLE	M - MULTI-SEAL (TFM)	5-BRTFE	CARBON GRAPHITE	UHMWPE	L- MULTI-SEAL, API-607 D-SRTFE	8-PEEK B-CARBON REINF-PEEK	CERAMIC	
VALVE SIZE (IN.)								WT. LB.
1/2**	\$1,949.31	\$1,981.09	\$2,541.33	\$1,973.77	\$2,155.81	\$2,358.23	POA	8.10
3/4	\$1,835.81	\$1,867.57	\$2,431.46	\$1,860.19	\$2,045.97	\$2,244.71	POA	8.40
1	\$1,949.31	\$1,981.09	\$2,541.33	\$1,973.77	\$2,155.81	\$2,358.23	POA	10.80
1-1/2	\$2,552.66	\$2,610.84	\$3,460.43	\$2,592.60	\$2,778.12	\$3,313.99	POA	17.90
2	\$3,496.55	\$3,581.22	\$4,712.84	\$3,551.96	\$3,874.27	\$4,408.87	POA	24.50
3	\$7,262.19	\$7,550.75	\$9,403.64	\$7,514.11	\$8,072.55	\$8,799.42	POA	51.70
4	\$10,043.42	\$10,568.07	\$12,611.42	\$10,498.49	\$11,549.37	\$12,842.10	POA	88.00
6	\$21,071.73	\$21,890.47	\$25,856.30	\$21,776.97	\$23,563.57	POA	POA	236.00
8*	\$45,122.78	\$47,127.90	\$56,125.08	\$46,974.07	\$50,441.77	POA	N/A	385.20
10*	POA	POA	POA	POA	POA	POA	N/A	651.50
12*	POA	POA	POA	POA	POA	POA	N/A	1218.00

STAINLESS STEEL

PRODUCT NO.	SS-CM	SS-C5	SS-C4***	SS-C6 SS-CU	SS-CL SS-CD	SS-C8*** SS-CB***	SS-C9***	
SEAT STYLE	M - MULTI-SEAL (TFM)	5-BRTFE	CARBON GRAPHITE	UHMWPE	L- MULTI-SEAL, API-607 D-SRTFE	8-PEEK B-CARBON REINF-PEEK	CERAMIC	
VALVE SIZE (IN.)								WT. LB.
1/2**	\$2,576.30	\$2,605.83	\$3,147.45	\$2,598.83	\$2,778.40	\$2,968.05	POA	8.10
3/4	\$2,298.53	\$2,331.53	\$2,869.59	\$2,320.99	\$2,500.62	\$2,690.25	POA	8.40
1	\$2,576.30	\$2,605.83	\$3,147.45	\$2,598.83	\$2,778.40	\$2,968.05	POA	10.80
1-1/2	\$4,449.74	\$4,504.83	\$5,320.72	\$4,487.22	\$4,669.90	\$5,180.00	POA	17.90
2	\$5,167.46	\$5,243.30	\$6,333.47	\$5,218.69	\$5,526.77	\$6,041.58	POA	24.50
3	\$10,096.26	\$10,367.06	\$12,150.01	\$10,331.86	\$10,873.89	\$11,569.77	POA	51.70
4	\$14,417.76	\$14,921.15	\$16,883.41	\$14,850.78	\$15,865.18	\$17,104.96	POA	88.00
6	\$25,900.10	\$26,677.26	\$30,489.32	\$26,571.74	\$28,294.82	POA	POA	236.00
8*	\$50,188.51	\$52,106.08	\$60,746.50	\$51,958.38	\$55,295.38	POA	N/A	385.20
10*	POA	POA	POA	POA	POA	POA	N/A	651.50
12*	POA	POA	POA	POA	POA	POA	N/A	1218.00

NOTE: 1/2" and 3/4" valves are full port.

* Gear operator or actuator recommended. It is a requirement for 10" valves.

** 1/2" Flange bodies are not integral cast type, they are fabricated.

*** Ball stop is recommended with hard seats (#4, #8, B and H).

Ball stop is required above 500°F or when using ceramic seats (#9).



TOP ENTRY VALVE PRICE LIST

CLASS 300 FLANGED FULL PORT CARBON STEEL

PRODUCT NO.	CS-FM	CS-F5	CS-F4***	CS-F6 CS-FU	CS-FL CS-FD	CS-F8*** CS-FB***	CS-F9***	
SEAT STYLE	M - MULTI-SEAL (TFM)	5-BRTFE	CARBON GRAPHITE	UHMWPE	L- MULTI-SEAL, API-607 D-SRTFE	8-PEEK B-CARBON REINF-PEEK	CERAMIC	
VALVE SIZE (IN.)								WT. LB.
1	\$2,552.66	\$2,610.91	\$3,460.43	\$2,592.60	\$2,778.12	\$3,313.99	POA	13.30
1-1/2	\$3,496.55	\$3,581.22	\$4,712.84	\$3,551.96	\$3,874.27	\$4,408.87	POA	31.50
2	\$7,262.19	\$7,550.75	\$9,403.64	\$7,514.11	\$8,072.55	\$8,799.42	POA	53.20
3	\$10,043.42	\$10,568.08	\$12,611.42	\$10,498.49	\$11,549.39	\$12,842.10	POA	87.20
4	\$21,071.73	\$21,890.47	\$25,856.30	\$21,776.97	\$23,563.57	POA	POA	179.60
6*	\$45,122.78	\$47,127.90	\$56,125.08	\$46,974.07	\$50,441.77	POA	POA	315.40
8*	POA	POA	POA	POA	POA	POA	POA	940.00
10*	POA	POA	POA	POA	POA	POA	POA	
12*	POA	POA	POA	POA	POA	POA	POA	

STAINLESS STEEL

PRODUCT NO.	SS-FM	SS-F5	SS-F4***	SS-F6 SS-FU	SS-FL SS-FD	SS-F8*** SS-FB***	SS-F9***	
SEAT STYLE	M - MULTI-SEAL (TFM)	5-BRTFE	CARBON GRAPHITE	UHMWPE	L- MULTI-SEAL, API-607 D-SRTFE	8-PEEK B-CARBON REINF-PEEK	CERAMIC	
VALVE SIZE (IN.)								WT. LB.
1	\$4,450.30	\$4,504.83	\$5,320.72	\$4,487.22	\$4,669.90	\$4,933.34	POA	13.30
1-1/2	\$5,167.46	\$5,243.30	\$6,333.47	\$5,218.69	\$5,526.77	\$5,753.90	POA	31.50
2	\$10,096.26	\$10,367.06	\$12,150.01	\$10,331.86	\$10,873.89	\$11,018.84	POA	53.20
3	\$14,417.76	\$14,921.15	\$16,883.41	\$14,850.78	\$15,865.18	\$16,290.43	POA	87.20
4	\$25,900.10	\$26,677.26	\$30,489.32	\$26,571.52	\$28,294.82	POA	POA	179.60
6*	\$50,188.51	\$52,106.08	\$60,746.50	\$51,958.38	\$55,295.38	POA	POA	313.40
8*	POA	POA	POA	POA	POA	POA	POA	940.00
10*	POA	POA	POA	POA	POA	POA	POA	
12*	POA	POA	POA	POA	POA	POA	POA	

* Gear operator or actuator recommended. It is a requirement for 8" and larger valves.

*** Ball stop is recommended with hard seats (#4, #8, B and H).

Ball stop is required above 500°F or when using ceramic seats (#9).



TOP ENTRY VALVE PRICE LIST

CLASS 600 FLANGED STANDARD PORT CARBON STEEL

PRODUCT NO.	CS-KM	CS-K5	CS-K4***	CS-K6 CS-KU	CS-KL CS-KD	CS-K8*** CS-KB***	CS-K9***	
SEAT STYLE	M - MULTI-SEAL (TFM)	5-BRTFE	CARBON GRAPHITE	UHMWPE	L- MULTI-SEAL, API-607 D-SRTFE	8-PEEK B-CARBON REINF-PEEK	CERAMIC	
VALVE SIZE (IN.)								WT. LB.
1/2**	\$2,978.27	\$3,010.05	\$3,570.30	\$3,002.70	\$3,188.45	\$3,387.21	POA	14.80
3/4	\$2,670.71	\$2,702.42	\$3,262.70	\$2,695.17	\$2,880.82	\$3,079.61	POA	13.60
1	\$2,787.88	\$2,819.61	\$3,379.88	\$2,812.26	\$2,994.35	\$3,196.78	POA	15.40
1-1/2	\$3,863.56	\$3,921.80	\$4,771.36	\$3,903.54	\$4,092.76	\$4,624.94	POA	28.80
2	\$5,320.17	\$5,401.27	\$6,536.37	\$5,375.58	\$5,697.89	\$6,232.48	POA	42.70
3	\$8,693.99	\$8,982.48	\$10,835.40	\$8,942.22	\$9,504.31	\$10,231.20	POA	82.30
4*	\$12,240.53	\$12,768.81	\$14,812.14	\$12,695.61	\$13,746.49	\$15,042.84	POA	169.80
6*	\$31,350.48	\$32,165.59	\$36,135.01	\$32,055.75	\$33,842.32	POA	POA	397.70

STAINLESS STEEL

PRODUCT NO.	SS-KM	SS-K5	SS-K4***	SS-K6 SS-KU	SS-KL SS-KD	SS-K8*** SS-KB***	SS-K9***	
SEAT STYLE	M - MULTI-SEAL (TFM)	5-BRTFE	CARBON GRAPHITE	UHMWPE	L- MULTI-SEAL, API-607 D-SRTFE	8-PEEK B-CARBON REINF-PEEK	CERAMIC	
VALVE SIZE (IN.)								WT. LB.
1/2**	\$3,518.79	\$3,548.32	\$4,086.30	\$3,541.27	\$3,717.34	\$3,910.56	POA	14.80
3/4	\$3,286.68	\$3,316.20	\$3,854.22	\$3,309.16	\$3,485.30	\$3,678.45	POA	13.60
1	\$3,423.81	\$3,453.35	\$3,991.41	\$3,446.31	\$3,622.40	\$3,815.60	POA	15.40
1-1/2	\$6,268.78	\$6,326.48	\$7,142.31	\$6,305.34	\$6,488.00	\$7,001.65	POA	28.80
2	\$8,979.48	\$9,058.87	\$10,145.51	\$9,030.76	\$9,342.40	\$9,853.68	POA	42.70
3	\$13,943.51	\$14,217.80	\$15,997.22	\$14,179.11	\$14,721.13	\$15,416.99	POA	82.30
4*	\$21,169.67	\$21,669.56	\$23,631.84	\$21,602.76	\$22,617.19	\$23,853.40	POA	169.80
6*	\$44,932.14	\$45,712.87	\$49,524.92	\$45,607.37	\$48,410.03	POA	POA	0.00

NOTE: 1/2" and 3/4" valves are full port.

* Gear operator or actuator recommended. It is a requirement for 10" valves.

** 1/2" Flange bodies are not integral cast type, they are fabricated.

*** Ball stop is recommended with hard seats (#4, #8, B and H).

Ball stop is required above 500°F or when using ceramic seats (#9).



TOP ENTRY VALVE PRICE LIST

CLASS 600 FLANGED FULL PORT CARBON STEEL

PRODUCT NO.	CS-UM	CS-U5	CS-U4***	CS-U6 CS-UU	CS-UL CS-UD	CS-U8*** CS-UB***	CS-U9***	
SEAT STYLE	M - MULTI-SEAL (TFM)	5-BRTFE	CARBON GRAPHITE	UHMWPE	L- MULTI-SEAL, API-607 D-SRTFE	8-PEEK B-CARBON REINF-PEEK	CERAMIC	
VALVE SIZE (IN.)								WT. LB.
1	\$4,056.74	\$4,117.89	\$5,009.93	\$4,098.71	\$4,297.40	\$4,856.19	POA	21.90
1-1/2	\$5,586.18	\$5,671.34	\$6,863.19	\$5,644.36	\$5,982.79	\$6,544.10	POA	41.10
2	\$9,128.69	\$9,431.60	\$11,377.17	\$9,389.33	\$9,979.53	\$10,743.04	POA	48.80
3	\$12,852.55	\$13,407.25	\$15,552.75	\$13,330.39	\$14,433.82	\$15,794.99	POA	141.60
4	\$32,918.00	\$33,773.33	\$37,941.76	\$33,658.54	\$35,534.44	POA	POA	300.50
6*	POA	POA	POA	POA	POA	POA	POA	575.00
8*	POA	POA	POA	POA	POA	POA	POA	1305.00

STAINLESS STEEL

PRODUCT NO.	SS-UM	SS-U5	SS-U4***	SS-U6 SS-UU	SS-UL SS-UD	SS-U8*** SS-UB***	SS-U9***	
SEAT STYLE	M - MULTI-SEAL (TFM)	5-BRTFE	CARBON GRAPHITE	UHMWPE	L- MULTI-SEAL, API-607 D-SRTFE	8-PEEK B-CARBON REINF-PEEK	CERAMIC	
VALVE SIZE (IN.)								WT. LB.
1	\$6,271.93	\$6,326.48	\$7,142.31	\$6,305.34	\$6,488.00	\$7,001.65	POA	21.90
1-1/2	\$8,979.48	\$9,058.87	\$10,145.51	\$9,030.76	\$9,342.40	\$9,853.68	POA	41.10
2	\$13,943.51	\$14,217.80	\$15,997.22	\$14,179.11	\$14,721.13	\$15,416.99	POA	48.80
3	\$21,169.67	\$21,669.56	\$23,631.84	\$21,602.76	\$22,617.19	\$23,853.40	POA	141.60
4	\$44,932.14	\$45,712.87	\$49,524.92	\$45,607.37	\$48,410.03	POA	POA	300.50
6*	POA	POA	POA	POA	POA	POA	POA	575.00
8*	POA	POA	POA	POA	POA	POA	POA	1305.00

* Gear operator or actuator recommended. It is a requirement for 6" & larger valves.

*** Ball stop is recommended with hard seats (#4, #8, B and H).

Ball stop is required above 500 °F or when using ceramic seats (#9).



TOP ENTRY VALVE PRICE LIST

CLASS 300 BUTTWELD STANDARD PORT CARBON STEEL

PRODUCT NO.	CS-PM	CS-P5	CS-P4***	CS-P6 CS-PU	CS-PL CS-PD	CS-P8*** CS-PB***	CS-P9***	
SEAT STYLE	M - MULTI-SEAL (TFM)	5-BRTFE	CARBON GRAPHITE	UHMWPE	L- MULTI-SEAL, API-607 D-SRTFE	8-PEEK B-CARBON REINF-PEEK	CERAMIC	
VALVE SIZE (IN.)								WT. LB.
1/2	\$1,526.89	\$1,385.22	\$1,846.98	\$1,379.17	\$1,529.25	\$1,905.51	POA	3.70
3/4	\$1,628.64	\$1,658.05	\$2,180.20	\$1,651.25	\$1,823.25	\$2,007.30	POA	4.00
1	\$1,730.33	\$1,759.77	\$2,278.49	\$1,752.95	\$1,921.52	\$2,108.99	POA	4.20
1-1/2	\$2,295.79	\$2,349.65	\$3,136.30	\$2,332.75	\$2,507.97	\$3,000.65	POA	7.50
2	\$2,773.00	\$2,848.11	\$3,899.21	\$2,824.06	\$3,119.38	\$3,617.71	POA	14.00
3	\$5,859.60	\$6,126.81	\$7,842.43	\$6,092.86	\$6,610.00	\$7,282.97	POA	35.00
4	\$7,865.22	\$8,351.02	\$10,242.97	\$8,283.22	\$9,259.68	\$10,456.59	POA	50.80
6*	\$16,567.84	\$17,322.56	\$20,997.97	\$17,220.84	\$18,875.08	POA	POA	140.00
8*	\$40,837.77	\$42,694.39	\$51,025.11	\$42,551.96	\$45,759.40	POA	N/A	312.87

STAINLESS STEEL

PRODUCT NO.	SS-PM	SS-P5	SS-P4***	SS-P6 SS-PU	SS-PL SS-PD	SS-P8*** SS-PB***	SS-P9***	
SEAT STYLE	M - MULTI-SEAL (TFM)	5-BRTFE	CARBON GRAPHITE	UHMWPE	L- MULTI-SEAL, API-607 D-SRTFE	8-PEEK B-CARBON REINF-PEEK	CERAMIC	
VALVE SIZE (IN.)								WT. LB.
1/2	\$1,813.20	\$1,842.72	\$2,380.76	\$1,835.71	\$2,011.84	\$2,204.92	POA	3.70
3/4	\$1,918.77	\$1,948.21	\$2,489.80	\$1,941.23	\$2,120.81	\$2,310.43	POA	4.00
1	\$1,939.26	\$2,053.73	\$2,591.75	\$2,046.72	\$2,222.78	\$2,415.93	POA	4.20
1-1/2	\$2,786.92	\$2,837.93	\$3,657.30	\$2,820.39	\$3,003.04	\$3,516.64	POA	7.50
2	\$3,437.25	\$3,516.64	\$4,603.29	\$3,488.50	\$3,800.10	\$4,311.44	POA	14.00
3	\$6,811.78	\$7,086.07	\$8,865.44	\$7,047.35	\$7,589.40	\$8,285.21	POA	35.00
4	\$10,204.78	\$10,708.15	\$12,670.50	\$10,637.88	\$11,652.24	\$12,892.00	POA	50.80
6*	\$19,696.78	\$20,473.89	\$24,296.55	\$20,368.65	\$22,091.42	POA	POA	140.00
8*	\$48,148.87	\$50,066.42	\$58,668.18	\$49,918.77	\$53,294.42	POA	N/A	312.80

Note: 1/2" and 3/4" valves are full port.

* Gear operator or actuator recommended.

** 1/2" bodies are not integral cast type, they are fabricated.

*** Ball stop is recommended with hard seats (#4, #8, B and H).

Ball stop is required above 500°F or when using ceramic seats (#9).



TOP ENTRY VALVE PRICE LIST

CLASS 300 BUTTWELD FULL PORT CARBON STEEL

PRODUCT NO.	CS-3M	CS-35	CS-34***	CS-36 CS-3U	CS-3L CS-3D	CS-38*** CS-3B***	CS-39***	
SEAT STYLE	M - MULTI-SEAL (TFM)	5-BRTFE	CARBON GRAPHITE	UHMWPE	L- MULTI-SEAL, API-607 D-SRTFE	8-PEEK B-CARBON REINF-PEEK	CERAMIC	
VALVE SIZE (IN.)								WT. LB.
3	\$9,575.57	\$10,064.83	\$12,010.89	\$10,006.42	\$11,012.81	\$12,230.60	POA	67.60
4	\$20,083.02	\$20,848.10	\$24,625.05	\$20,739.97	\$22,460.49	POA	POA	140.60
6*	\$42,994.94	\$44,883.71	\$53,452.42	\$44,737.29	\$48,066.63	POA	POA	251.00
8*	\$76,442.51	\$80,501.23	\$87,298.28	POA	\$82,077.62	POA	POA	860.00

STAINLESS STEEL

PRODUCT NO.	SS-3M	SS-35	SS-34***	SS-36 SS-3U	SS-3L SS-3D	SS-38*** SS-3B***	SS-39***	
SEAT STYLE	M - MULTI-SEAL (TFM)	5-BRTFE	CARBON GRAPHITE	UHMWPE	L- MULTI-SEAL, API-607 D-SRTFE	8-PEEK B-CARBON REINF-PEEK	CERAMIC	
VALVE SIZE (IN.)								WT. LB.
3	\$13,742.21	\$14,210.57	\$16,079.43	\$14,143.62	\$15,122.84	\$16,290.43	POA	67.60
4	\$24,681.18	\$25,406.93	\$29,037.45	\$25,306.42	\$26,966.03	POA	POA	140.60
6*	\$47,818.98	\$49,624.86	\$57,853.83	\$49,484.20	\$52,688.53	POA	POA	251.00
8*	\$85,646.31	POA	\$98,958.35	POA	\$93,958.04	POA	POA	860.00

* Gear operator or actuator recommended.

*** Ball stop is recommended with hard seats (#4, #8, B and H).

Ball stop is required above 500 °F or when using ceramic seats (#9).



TOP ENTRY VALVE PRICE LIST

CLASS 600 BUTTWELD STANDARD PORT CARBON STEEL

PRODUCT NO.	CS-WM	CS-W5	CS-W4***	CS-W6 CS-WU	CS-WL CS-WD	CS-W8*** CS-WB***	CS-W9***	
SEAT STYLE	M - MULTI-SEAL (TFM)	5-BRTFE	CARBON GRAPHITE	UHMWPE	L- MULTI-SEAL, API-607 D-SRTFE	8-PEEK B-CARBON REINF-PEEK	CERAMIC	
VALVE SIZE (IN.)								WT. LB.
1/2**	\$2,114.07	\$2,145.85	\$2,706.12	\$2,138.53	\$2,320.61	\$2,523.01	POA	8.50
3/4	\$2,670.71	\$2,702.42	\$3,262.70	\$2,695.17	\$2,880.82	\$3,079.61	POA	8.10
1	\$2,787.88	\$2,819.61	\$3,379.88	\$2,812.26	\$2,994.35	\$3,196.78	POA	9.60
1-1/2	\$4,046.67	\$3,921.80	\$4,771.36	\$3,903.54	\$4,092.76	\$4,624.94	POA	17.40
2	\$5,320.17	\$5,401.27	\$6,536.37	\$5,375.58	\$5,697.89	\$6,232.48	POA	29.90
3	\$8,694.04	\$8,982.48	\$10,835.40	\$8,942.22	\$9,504.31	\$10,231.20	POA	51.90
4*	\$12,240.53	\$12,768.81	\$14,812.14	\$12,695.61	\$13,746.49	\$15,042.84	POA	136.40
6*	\$31,350.48	\$32,165.59	\$36,135.01	\$32,055.75	\$34,534.39	POA	POA	273.50

STAINLESS STEEL

PRODUCT NO.	SS-WM	SS-W5	SS-W4***	SS-W6 SS-WU	SS-WL SS-WD	SS-PW*** SS-WB***	SS-W9***	
SEAT STYLE	M - MULTI-SEAL (TFM)	5-BRTFE	CARBON GRAPHITE	UHMWPE	L- MULTI-SEAL, API-607 D-SRTFE	8-PEEK B-CARBON REINF-PEEK	CERAMIC	
VALVE SIZE (IN.)								WT. LB.
1/2**	\$2,970.17	\$2,999.72	\$3,537.73	\$2,992.66	\$3,168.77	\$3,361.92	POA	8.50
3/4	\$3,286.68	\$3,316.20	\$3,854.22	\$3,309.16	\$3,485.30	\$3,678.45	POA	8.10
1	\$3,423.81	\$3,453.35	\$3,991.41	\$3,446.31	\$3,622.40	\$3,815.60	POA	9.60
1-1/2	\$6,271.93	\$6,326.48	\$7,142.31	\$6,305.34	\$6,488.00	\$7,001.65	POA	17.40
2	\$8,979.48	\$9,058.87	\$10,145.51	\$9,030.76	\$9,342.40	\$9,853.68	POA	29.90
3	\$13,943.51	\$14,217.80	\$15,997.22	\$14,179.11	\$14,721.13	\$15,416.99	POA	51.90
4*	\$21,169.67	\$21,669.56	\$23,631.84	\$21,602.76	\$22,617.19	\$23,853.40	POA	136.40
6*	\$44,932.14	\$45,712.87	\$49,524.92	\$45,607.37	\$48,410.03	POA	POA	273.50

NOTE: 600# Buttweld valves have schedule 40 ends identified by 40 on the end of the part number. 1/2" and 3/4" valves are full port.

* Gear operator or actuator recommended.

** 1/2" bodies are not integral cast type, they are fabricated.

*** Ball stop is recommended with hard seats (#4, #8, B and H).

Ball stop is required above 500 °F or when using ceramic seats (#9).



TOP ENTRY VALVE PRICE LIST

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TOP ENTRY VALVE PRICE LIST

CLASS 300 STANDARD PORT CARBON STEEL

"X" IN TABLE BELOW = NPT ("D"), SOCKET WELD ("N"), NPT X SOCKET WELD ("G")

PRODUCT NO.	CS-XM	CS-X5	CS-X4***	CS-X6 CS-XU	CS-XL CS-XD	CS-X8*** CS-XB***	CS-X9***	
SEAT STYLE	M - MULTI-SEAL (TFM)	5-BRTFE	CARBON GRAPHITE	UHMWPE	L- MULTI-SEAL, API-607 D-SRTFE	8-PEEK B-CARBON REINF-PEEK	CERAMIC	
VALVE SIZE (IN.)								WT. LB.
1/2*	\$1,107.02	\$1,138.82	\$1,699.12	\$1,131.52	\$1,313.61	\$1,516.01	POA	3.90
3/4	\$1,107.02	\$1,138.82	\$1,699.12	\$1,131.52	\$1,313.61	\$1,516.01	POA	3.80
1	\$1,107.02	\$1,138.82	\$1,699.12	\$1,131.52	\$1,313.61	\$1,516.01	POA	3.50
1-1/2	\$1,417.45	\$1,475.72	\$2,325.28	\$1,457.44	\$1,646.68	\$2,178.84	POA	6.50
2	\$2,225.86	\$2,306.97	\$3,442.09	\$2,281.38	\$2,599.97	\$3,138.18	POA	11.10
3	\$5,599.66	\$5,888.22	\$7,741.14	\$5,847.96	\$6,410.05	\$7,136.96	POA	36.80

STAINLESS STEEL

"X" IN TABLE BELOW = NPT ("D"), SOCKET WELD ("N"), NPT X SOCKET WELD ("G")

PRODUCT NO.	SS-XM	SS-X5	SS-X4***	SS-X6 SS-XU	SS-XL SS-XD	SS-X8*** SS-XB***	SS-X9***	
SEAT STYLE	M - MULTI-SEAL (TFM)	5-BRTFE	CARBON GRAPHITE	UHMWPE	L- MULTI-SEAL, API-607 D-SRTFE	8-PEEK B-CARBON REINF-PEEK	CERAMIC	
VALVE SIZE (IN.)								WT. LB.
1/2*	\$1,398.28	\$1,427.80	\$1,969.34	\$1,420.74	\$1,600.37	\$1,789.99	POA	3.90
3/4	\$1,398.28	\$1,427.80	\$1,969.34	\$1,420.74	\$1,600.37	\$1,789.99	POA	3.80
1	\$1,398.28	\$1,427.80	\$1,969.34	\$1,420.74	\$1,600.37	\$1,789.99	POA	3.50
1-1/2	\$1,879.66	\$1,934.14	\$2,750.01	\$1,916.59	\$2,099.30	\$2,609.37	POA	6.50
2	\$2,600.32	\$2,676.14	\$3,766.27	\$2,644.52	\$2,963.13	\$3,474.42	POA	11.10
3	\$5,813.04	\$6,096.46	\$7,866.72	\$6,048.62	\$6,590.64	\$7,286.51	POA	36.80

NOTE: 1/2" and 3/4" valves are full port.

* 1/2" bodies are not integral cast type, they are fabricated.

*** Ball stop is recommended with hard seats (#4, #8, B and H).

Ball stop is required above 500 °F or when using ceramic seats (#9).



TOP ENTRY VALVE PRICE LIST

CLASS 300

FULL PORT

CARBON STEEL

"X" IN TABLE BELOW = NPT ("L"), SOCKET WELD ("M"), NPT X SOCKET WELD ("Y")

PRODUCT NO.	CS-XM	CS-X5	CS-X4***	CS-X6 CS-XU	CS-XL CS-XD	CS-X8*** CS-XB***	CS-X9***	
SEAT STYLE	M - MULTI-SEAL (TFM)	5-BRTFE	CARBON GRAPHITE	UHMWPE	L- MULTI-SEAL, API-607 D-SRTFE	8-PEEK B-CARBON REINF-PEEK	CERAMIC	
VALVE SIZE (IN.)								WT. LB.
1	\$1,538.13	\$1,614.67	\$2,423.80	\$1,597.28	\$1,780.09	\$2,284.31	POA	7.20
1-1/2	\$2,354.57	\$2,458.65	\$3,539.80	\$2,434.29	\$2,743.13	\$3,250.33	POA	12.00
2	\$5,609.06	\$5,916.24	\$7,686.35	\$5,883.39	\$6,739.61	\$7,110.97	POA	40.60

STAINLESS STEEL

"X" IN TABLE BELOW = NPT ("L"), SOCKET WELD ("M"), NPT X SOCKET WELD ("Y")

PRODUCT NO.	SS-XM	SS-X5	SS-X4***	SS-X6 SS-XU	SS-XL SS-XD	SS-X8*** SS-XB***	SS-X9***	
SEAT STYLE	M - MULTI-SEAL (TFM)	5-BRTFE	CARBON GRAPHITE	UHMWPE	L- MULTI-SEAL, API-607 D-SRTFE	8-PEEK B-CARBON REINF-PEEK	CERAMIC	
VALVE SIZE (IN.)								WT. LB.
1	\$2,044.94	\$2,093.22	\$2,870.23	\$2,076.49	\$2,252.98	\$2,605.88	POA	7.20
1-1/2	\$2,776.27	\$2,850.13	\$3,888.42	\$2,819.99	\$3,128.76	\$3,438.52	POA	12.00
2	\$5,911.85	\$6,162.52	\$7,859.29	\$6,128.98	\$6,650.76	\$6,959.97	POA	40.60

NOTE: Full port bodies are fabricated. i.e. Larger standard port bodies with reducers.

*** Ball stop is recommended with hard seats (#4, #8, B and H).

Ball stop is required above 500 °F or when using ceramic seats (#9).



TOP ENTRY VALVE PRICE LIST

CLASS 600

STANDARD PORT

CARBON STEEL

"X" IN TABLE BELOW = NPT ("H"), SOCKET WELD ("J"), NPT X SOCKET WELD ("Q")

PRODUCT NO.	CS-XM	CS-X5	CS-X4***	CS-X6 CS-XU	CS-XL CS-XD	CS-X8*** CS-XB***	CS-X9***	
SEAT STYLE	M - MULTI-SEAL (TFM)	5-BRTFE	CARBON GRAPHITE	UHMWPE	L- MULTI-SEAL, API-607 D-SRTFE	8-PEEK B-CARBON REINF-PEEK	CERAMIC	
VALVE SIZE (IN.)								WT. LB.
1/2**	\$1,927.29	\$1,962.73	\$2,523.01	\$1,951.80	\$2,137.50	\$2,336.19	POA	7.80
3/4	\$1,927.29	\$1,962.73	\$2,523.01	\$1,951.80	\$2,137.50	\$2,336.19	POA	7.70
1	\$1,927.29	\$1,962.73	\$2,523.01	\$1,951.80	\$2,137.50	\$2,336.19	POA	7.50
1-1/2	\$3,123.91	\$3,178.49	\$4,028.03	\$3,160.13	\$3,349.36	\$3,885.25	POA	13.50
2	\$3,511.23	\$3,595.93	\$4,731.14	\$3,566.57	\$3,888.90	\$4,427.18	POA	23.30

STAINLESS STEEL

"X" IN TABLE BELOW = NPT ("H"), SOCKET WELD ("J"), NPT X SOCKET WELD ("Q")

PRODUCT NO.	SS-XM	SS-X5	SS-X4***	SS-X6 SS-XU	SS-XL SS-XD	SS-X8*** SS-XB***	SS-X9***	
SEAT STYLE	M - MULTI-SEAL (TFM)	5-BRTFE	CARBON GRAPHITE	UHMWPE	L- MULTI-SEAL, API-607 D-SRTFE	8-PEEK B-CARBON REINF-PEEK	CERAMIC	
VALVE SIZE (IN.)								WT. LB.
1/2**	\$2,636.12	\$2,665.59	\$3,203.67	\$3,203.67	\$2,838.20	\$3,027.80	POA	7.80
3/4	\$2,636.12	\$2,665.59	\$3,203.67	\$3,203.67	\$2,838.20	\$3,027.80	POA	7.70
1	\$2,636.12	\$2,665.59	\$3,203.67	\$3,203.67	\$2,838.20	\$3,027.80	POA	7.50
1-1/2	\$4,710.57	\$4,765.03	\$5,580.91	\$5,580.91	\$4,926.65	\$5,440.22	POA	13.50
2	\$5,054.90	\$5,134.29	\$6,220.96	\$6,220.96	\$5,417.75	\$5,929.05	POA	23.30

** 1/2" bodies are not integral cast type, they are fabricated.

*** Ball stop is recommended with hard seats (#4, #8, B and H).

Ball stop is required above 500°F or when using ceramic seats (#9).



TOP ENTRY VALVE PRICE LIST

CLASS 600

FULL PORT

CARBON STEEL

"X" IN TABLE BELOW = NPT ("4"), SOCKET WELD ("T"), NPT X SOCKET WELD ("6")

PRODUCT NO.	CS-XM	CS-X5	CS-X4***	CS-X6 CS-XU	CS-XL CS-XD	CS-X8*** CS-XB***	CS-X9***	
SEAT STYLE	M - MULTI-SEAL (TFM)	5-BRTFE	CARBON GRAPHITE	UHMWPE	L- MULTI-SEAL, API-607 D-SRTFE	8-PEEK B-CARBON REINF-PEEK	CERAMIC	
VALVE SIZE (IN.)								WT. LB.
1	\$3,343.69	\$3,398.18	\$4,247.75	\$3,379.88	\$3,569.07	\$4,104.95	POA	14.20
1-1/2	\$3,785.83	\$3,870.54	\$5,005.74	\$3,841.24	\$4,163.57	\$4,701.82	POA	24.20

STAINLESS STEEL

"X" IN TABLE BELOW = NPT ("4"), SOCKET WELD ("T"), NPT X SOCKET WELD ("6")

PRODUCT NO.	SS-XM	SS-X5	SS-X4***	SS-X6 SS-XU	SS-XL SS-XD	SS-X8*** SS-XB***	SS-X9***	
SEAT STYLE	M - MULTI-SEAL (TFM)	5-BRTFE	CARBON GRAPHITE	UHMWPE	L- MULTI-SEAL, API-607 D-SRTFE	8-PEEK B-CARBON REINF-PEEK	CERAMIC	
VALVE SIZE (IN.)								WT. LB.
1	\$4,974.33	\$5,028.79	\$5,844.64	\$5,007.75	\$5,190.36	\$5,704.03	POA	14.20
1-1/2	\$5,371.41	\$5,450.78	\$6,537.46	\$5,274.93	\$5,734.26	\$6,245.55	POA	24.20

NOTE: Full port bodies are fabricated. i.e. Larger standard port bodies with reducers.

*** Ball stop is recommended with hard seats (#4, #8, B and H).

Ball stop is required above 500°F or when using ceramic seats (#9).

CONTACT THE FACTORY FOR MATERIALS NOT INCLUDED IN THIS PRICE LIST

At our USA foundries, we cast:

- Carbon & Low-Temp Carbon Steel
- Stainless Steels & Low-Carbon Stainless Steel
- Alloy 20
- Duplex & Super Duplex
- Hastelloy
- Monel
- Nickel & Nickel-Copper Alloys



TOP ENTRY VALVE PRICE LIST

CLASS 150, 300 & 600 OPTIONS

SUFFIX	VALVE SIZE (IN.)											
	STD. PORT FULL PORT	1 & SMALLER 3/4" & SMALLER	1.5 1	2 1.5	3 2	4 3	6 4	8 6	10 8	12 10	12	
-01 Note 1		No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder
-04		140.62	197.72	281.25	POA	POA	POA	POA	POA	POA	POA	POA
-14		102.60	102.60	102.60	159.64	231.86	281.25	520.75	638.59	POA	POA	POA
-15		72.97	80.60	103.59	POA	POA	POA	POA	POA	POA	POA	POA
-24 Notes 2,3	Note 2 =	22.85	34.24	49.42	57.04	72.29	125.45	178.63	228.44	280.16	343.58	
	Note 3 =	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA
-26		116.69	116.69	116.69	191.97	255.99	308.73	564.65	681.36	POA	POA	POA
-45		POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA
-49		17.43	17.43	17.43	55.71	55.71	55.71	174.03	174.03	POA	POA	POA
-57		110.25	110.25	110.25	182.48	250.86	288.87	539.74	638.59	POA	POA	POA
-59		POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA
-67		109.19	109.19	109.19	180.71	248.44	286.08	534.57	632.44	POA	POA	POA
-70 Notes 4, 5		685.50	685.50	837.84	894.92	1280.04	1280.04	2779.30	2779.30	POA	POA	POA
-73		41.41	52.68	79.06	139.29	239.07	324.47	POA	POA	POA	POA	POA
-76		129.28	129.28	235.77	259.15	397.15	397.15	543.87	543.87	697.27	697.27	697.27
-77		18.41	18.41	32.06	35.25	53.96	53.96	122.31	122.31	166.41	166.41	166.41
-82		177.70	177.70	266.42	266.42	533.02	533.02	1059.03	1421.26	1776.59	2131.92	
-90		1354.87	1354.87	1739.36	1922.48	2761.89	2761.89	5942.06	5942.06	POA	POA	POA
-9P		1489.88	1489.88	1874.41	2057.53	POA	POA	POA	POA	POA	POA	POA
-BB		51.17	65.80	87.75	109.70	134.98	204.76	383.89	932.41	POA	POA	POA
-BT		98.66	98.66	142.55	186.38	405.68	POA	POA	POA	POA	POA	POA
-CB		POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA
-CS		POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA
-DF		POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA
-DP		POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA
-EF	150/300	52.12	93.06	129.09	240.76	240.76	481.37	481.37	814.25	POA	1601.75	
	600	89.90	124.72	124.72	232.63	232.63	465.09	465.09	786.71	POA	POA	
-KB		POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA
-MP Note 6		152.34	152.34	152.34	152.34	152.34	152.34	152.34	152.34	152.34	152.34	152.34
-NC		431.25	431.25	431.25	431.25	431.25	431.25	431.25	431.25	431.25	431.25	431.25
-NO		POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA
-PG		POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA
-RS		357.65	474.34	575.98	662.58	824.44	1095.42	1223.43	1411.76	POA	POA	POA
-SR Note 7		688.91	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA
-TC		67.00	67.00	67.00	67.00	67.00	67.00	67.00	67.00	67.00	67.00	67.00
-TD		POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA
-TM		POA	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA
-TR		83.25	83.25	83.25	83.25	83.25	83.25	83.25	83.25	83.25	83.25	83.25
-TW		111.67	111.67	111.67	111.67	111.67	111.67	111.67	111.67	111.67	111.67	111.67
-W1		No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder
-W2		No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder
-W3		No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder
-W4		No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder
-WST		No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder
-W6		No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder
-WXS		No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder
-W8		No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder
-W10		No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder
-W12		No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder
-W14		No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder
-W16		No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder
-WXXS		No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder	No Adder

Note 1 Default Suffix for "M" & "G" Seats

Note 2 Adder for "M" & "G" Seats

Note 3 Zero Adder for for 4, 5, 6, 8, 9, B, C, D, H, L, N, U Seats

Note 4 Is an extension necessary? Some smaller sizes include a extended bonnet as standard.

Note 5 Carbon Steel & Stainless Steel. Contact factory for other materials

Note 6 Body & Bonnet only. Contact factory for Positive Material Identification (PMI) for other valve components, such as ball, stem, etc..

Note 7 Up to 1" standard port only. L & M seats only. Class 150/300 only.

REV. 12JUN17



TOP ENTRY VALVE PRICE LIST

GEAR OPERATOR

ADDERS*

*Select Next Size Larger for **FULL** Port.

CLASS 150

5, 6, L, M & U SEATS

SUFFIX	VALVE SIZE (IN.) - STANDARD PORT			
	4	6	8	10
MG	\$2,123.19	\$2,921.25	\$3,542.38	\$4,863.77
MH	\$2,443.19	\$3,244.79	\$3,862.38	\$5,183.72

CLASS 150

4, 8, 9 & B SEATS

SUFFIX	VALVE SIZE (IN.) - STANDARD PORT			
	4	6	8	10
MJ	\$1,976.40	\$2,792.01	\$3,485.66	\$4,615.00
MK	\$2,272.68	\$3,097.76	\$3,781.97	\$4,911.35

CLASS 300

5, 6, L, M & U SEATS

SUFFIX	VALVE SIZE (IN.) - STANDARD PORT			
	4	6	8	10
MG	\$2,123.19	\$3,542.38	\$4,468.51	\$9,147.73
MH	\$2,443.19	\$3,862.38	\$4,788.48	\$9,467.81

CLASS 300

4, 8, 9 & B SEATS

SUFFIX	VALVE SIZE (IN.) - STANDARD PORT			
	4	6	8	10
MJ	\$2,134.51	\$3,640.28	\$4,588.97	POA
MK	\$2,454.49	\$3,960.31	\$4,908.87	POA

CLASS 600

5, 6, L, M & U SEATS

SUFFIX	VALVE SIZE (IN.) - STANDARD PORT	
	4	6
MG	\$2,921.25	\$4,445.89
MH	\$3,241.20	\$4,765.88

CLASS 600

4, 8, 9 & B SEATS

SUFFIX	VALVE SIZE (IN.) - STANDARD PORT	
	4	6
MJ	\$3,015.37	\$4,570.13
MK	\$3,335.37	\$4,890.13



TOP ENTRY VALVE PRICE LIST

CLASS 150/300 & 600

BONNET CONVERSION KIT FROM OLD STYLE BONNET TO ISO 5211 BONNET (MODEL A)

SIZE		STAINLESS STEEL CLASS 150/300 ISO BONNET ASSEMBLY KIT* PART NUMBERS		CARBON STEEL CLASS 150/300 ISO BONNET ASSEMBLY KIT* PART NUMBERS	
		W/ PTFE TRIM LIST PRICE	W/ GRAPHITE TRIM LIST PRICE	W/ PTFE TRIM LIST PRICE	W/ GRAPHITE TRIM LIST PRICE
1/2" & 3/4" FP	1" SP	SSOP5B01A	SSOP524A	CSOP5B01A	CSOP5B24A
		\$680.53	\$701.62	\$647.01	\$667.88
1" FP	1-1/2" SP	SSOP7B01A	SSOP7B24A	CSOP7B01A	CSOP7B24A
		\$911.39	\$942.98	\$789.63	\$820.88
1-1/2" FP	2" SP	SSOP8B01A	SSOP8B24A	CSOP8B01A	CSOP8B24A
		\$1,262.79	\$1,308.40	\$1,146.43	\$1,191.53
2" FP	3" SP	SSOPOB01A	SSOPOB24A	CSOPOB01A	CSOPOB24A
		\$2,246.15	\$2,298.80	\$1,990.40	\$2,042.44
3" FP	4" SP	SSOPAB01A	SSOPAB24A	CSOPAB01A	CSOPAB24A
		\$2,287.96	\$2,354.67	\$2,277.56	\$2,343.53
4" FP	6" SP	SSOPCB01A	SSOPCB24A	CSOPCB01A	CSOPCB24A
		\$4,401.68	\$4,517.48	\$3,460.76	\$3,575.26
6" FP	8" SP	SSOPEB01A	SSOPEB24A	CSOPEB01A	CSOPEB24A
		\$6,243.19	\$6,408.10	\$4,481.18	\$4,644.25
8" FP	10" SP	SSOPGB01A	SSOPGB24A	CSOPGB01A	CSOPGB24A
		\$11,753.92	\$11,964.78	\$8,901.66	\$9,110.15
	12" SP	SSOPHB01A	SSOPHB24A	CSOPHB01A	CSOPHB24A
		\$13,278.45	\$13,537.06	\$9,458.99	\$9,714.70
10" FP	8" SP	SSOPRB01A	SSOPRB24A	CSOPRB01A	CSOPRB24A
		\$13,504.12	\$13,714.98	\$11,116.23	\$11,324.72
12" FP	10" SP	SSOPSB01A	SSOPSB24A	CSOPSB01A	CSOPSB24A
		\$23,610.79	\$23,869.39	\$18,102.89	\$18,358.60
12" FP	12" SP	SSOPTB01A	SSOPTB24A	CSOPTB01A	CSOPTB24A
		\$30,058.59	\$30,375.74	\$18,675.20	\$18,988.79

SIZE		STAINLESS STEEL CLASS 600 ISO BONNET ASSEMBLY KIT* PART NUMBERS		CARBON STEEL CLASS 600 ISO BONNET ASSEMBLY KIT* PART NUMBERS	
		W/ PTFE TRIM LIST PRICE	W/ GRAPHITE TRIM LIST PRICE	W/ PTFE TRIM LIST PRICE	W/ GRAPHITE TRIM LIST PRICE
1/2" & 3/4" FP	1" SP	SSIP5B01A	SSIP524A	CSIP5B01A	CSIP5B24A
		\$1,068.95	\$1,090.04	\$945.05	\$965.89
1" FP	1-1/2" SP	SSIP7B01A	SSIP7B24A	CSIP7B01A	CSIP7B24A
		\$1,186.31	\$1,217.90	\$1,079.99	\$1,111.24
1-1/2" FP	2" SP	SSIP8B01A	SSIP8B24A	CSIP8B01A	CSIP8B24A
		\$1,375.15	\$1,420.76	\$1,318.35	\$1,363.44
2" FP	3" SP	SSIPOB01A	SSIPOB24A	CSIPOB01A	CSIPOB24A
		\$2,117.73	\$2,170.38	\$2,026.78	\$2,078.84
3" FP	4" SP	SSIPAB01A	SSIPAB24A	CSIPAB01A	CSIPAB24A
		\$2,611.39	\$2,678.12	\$2,291.32	\$2,415.10
4" FP	6" SP	SSIPCB01A	SSIPCB24A	CSIPCB01A	CSIPCB24A
		\$4,455.19	\$4,570.99	\$3,186.28	\$3,300.79
6" FP	8" SP	SSIPEB01A	SSIPEB24A	CSIPEB01A	CSIPEB24A
		\$5,869.93	\$6,034.82	\$3,925.53	\$4,088.58
8" FP	10" SP	SSIPRB01A	SSIPRB24A	CSIPRB01A	CSIPRB24A
		\$15,829.21	\$16,040.08	\$11,378.56	\$11,587.08

* ISO bonnet assembly kits include: bonnet, stem, lever assembly, lock plate, gland plate, stops, fasteners, washer, spring, stem packing, stem bearing, and body seal. Kits include everything to convert to the new ISO 5211 bonnet. The ISO 5211 bonnet is shipped assembled. Simply remove the old bonnet and install the new sub-assembly.



TOP ENTRY VALVE PRICE LIST

SEAL REPAIR KITS FOR ISO 5211 BONNET HOW TO SPECIFY

PLEASE USE ALL DIGITS WHEN ORDERING

S	S	O	M	5	01	A
TOP ENTRY REPAIR KIT	TRIM MATERIAL	VALVE CLASS	SEAT	SIZE	ADDITIONAL FEATURES	MODEL REVISION
USE "S" FOR 1ST CHARACTER	INSERT TRIM CODES FROM HOW TO SPECIFY TABLE	0 - 150/300 1 - 600	INSERT SEAT CODES FROM HOW TO SPECIFY TABLE	5 - 1/2" - 1" 7 - 1-1/2" 8 - 2" 0 - 3" A - 4" C - 6" E - 8" G - 10" H - 12"	EXAMPLES: 01 - STANDARD (PTFE PACKING, RPTFE BODY SEAL) 24 - GRAPHITE PACKING, SPIRAL WOUND BODY SEAL THERE MAY BE CASES WHERE MULTIPLE OPTIONS ARE USED. (EX: -90EP, -24RS, -90EPRS)	A - ISO BONNET CONFIGURATION

STANDARD MATERIAL LIST BY SEAT SELECTION

SEAT DESIGNATION	STEM PACKING	BONNET GASKET	STEM BEARING	CLASS	DEFAULT SUFFIX
4	Flexible Graphite	Spiral Wound Graphite	Nitronic 60	All	24
5	Flexible Graphite	Spiral Wound Graphite	PEEK	All	24
6	Flexible Graphite	Spiral Wound Graphite	PEEK	All	24
8	Flexible Graphite	Spiral Wound Graphite	PEEK	All	24
9	Flexible Graphite	Spiral Wound Graphite	Nitronic 60	All	24
B	Flexible Graphite	Spiral Wound Graphite	PEEK	All	24
C	Flexible Graphite	Spiral Wound Graphite	PEEK	All	24
D	Flexible Graphite	Spiral Wound Graphite	PEEK	All	24
G	PTFE	RPTFE	PEEK	150/300	01
		Spiral Wound PTFE	PEEK	600	
H	Flexible Graphite	Spiral Wound Graphite	Nitronic 60	All	24
J	Flexible Graphite	Spiral Wound Graphite	PEEK	All	24
L	Flexible Graphite	Spiral Wound Graphite	PEEK	All	24
M	PTFE	RPTFE	PEEK	150/300	01
		Spiral Wound PTFE	PEEK	600	
N	Flexible Graphite	Spiral Wound Graphite	Nylon	All	24
U	Flexible Graphite	Spiral Wound Graphite	PEEK	All	24



TOP ENTRY VALVE PRICE LIST

CLASS 150/300 SEAL REPAIR KITS FOR ISO 5211 BONNET

KIT TYPE	STANDARD PORT FULL PORT	VALVE SIZE (IN.)								
		1"	1-1/2"	2"	3"	4"	6"	8"	10"	12"
		1/2"-3/4"	1"	1-1/2"	2"	3"	4"	CONSULT FACTORY		
Soft Seated Seal Kits	Seats, Packing, Gaskets (TFM Seal on #L Seat) Nylon Seal on #N Seat)	SS-055-24A	SS-057-24A	SS-058-24A	SS-050-24A	SS-05A-24A	SS-05C-24A	SS-05E-24A	SS-05G-24A	SS-05H-24A
		\$82.88	\$127.79	\$130.17	\$215.96	\$359.16	\$683.00	\$1,708.95	POA	POA
		SS-065-24A	SS-067-24A	SS-068-24A	SS-060-24A	SS-06A-24A	SS-06C-24A	SS-06E-24A	SS-06G-24A	SS-06H-24A
		POA	POA	POA	POA	POA	POA	POA	POA	POA
		SS-0C5-24A	SS-0C7-24A	SS-0C8-24A	SS-0C0-24A	SS-0CA-24A	SS-0CC-24A	SS-0CE-24A	SS-0CG-24A	SS-0CH-24A
		POA	POA	POA	POA	POA	POA	POA	POA	POA
		SS-0D5-24A	SS-0D7-24A	SS-0D8-24A	SS-0D0-24A	SS-0DA-24A	SS-0DC-24A	SS-0DE-24A	SS-0DG-24A	SS-0DH-24A
		POA	POA	POA	POA	POA	POA	POA	POA	POA
		SS-0G5-24A	SS-0G7-24A	SS-0G8-24A	SS-0G0-24A	SS-0GA-24A	SS-0GC-24A	SS-0GE-24A	SS-0GG-24A	SS-0GH-24A
		POA	POA	POA	POA	POA	POA	POA	POA	POA
		SS-0L5-24A	SS-0L7-24A	SS-0L8-24A	SS-0L0-24A	SS-0LA-24A	SS-0LC-24A	SS-0LE-24A	SS-0LG-24A	SS-0LH-24A
		\$141.88	\$170.44	\$248.71	\$339.07	\$910.13	\$2,208.95	POA	POA	POA
		SS-0M5-01A	SS-0M7-01A	SS-0M8-01A	SS-0M0-01A	SS-0MA-01A	SS-0MC-01A	SS-0ME01A	SS-0MG-01A	SS-0MH-01A
		\$128.58	\$162.78	\$207.03	\$309.88	\$867.88	\$2,202.39	POA	POA	POA
		SS-0M5-24A	SS-0M7-24A	SS-0M8-24A	SS-0M0-24A	SS-0MA-24A	SS-0MC-24A	SS-0ME-24A	SS-0MG-24A	SS-0MH-24A
		\$148.91	\$193.24	\$252.83	\$360.65	\$932.21	\$2,295.99	POA	POA	POA
SS-0N5-24A	SS-0N7-24A	SS-0N8-24A	SS-0N0-24A	SS-0NA-24A	SS-0NC-24A	SS-0NE-24A	SS-0NG-24A	SS-0NH-24A		
POA	POA	POA	POA	POA	POA	POA	POA	POA		
SS-0U5-24A	SS-0U7-24A	SS-0U8-24A	SS-0U0-24A	SS-0UA-24A	SS-0UC-24A	SS-0UE-24A	SS-0UG-24A	SS-0UH-24A		
POA	POA	POA	POA	POA	POA	POA	POA	POA		
PEEK Hard Seated Seal Kits	Ball, Seats, Packing, Gaskets	SS-085-24A	SS-087-24A	SS-088-24A	SS-080-24A	SS-08A-24A	SS-08C-24A	SS-08E-24A	SS-08G-24A	SS-08H-24A
		POA	POA	POA	POA	POA	POA	POA	POA	POA
		SS-0B5-24A	SS-0B7-24A	SS-0B8-24A	SS-0B0-24A	SS-0BA-24A	SS-0BC-24A	SS-0BE-24A	SS-0BG-24A	SS-0BH-24A
		POA	POA	POA	POA	POA	POA	POA	POA	POA
Carbon Graphite, Ceramic Graphite Seal Kits	Ball, Seats, Packing, Gaskets	SS-045-24A	SS-047-24A	SS-048-24A	SS-040-24A	SS-04A-24A	SS-04C-24A	SS-04E-24A	SS-04G-24A	SS-04H-24A
		\$694.11	\$1,303.03	\$1,435.32	\$2,459.96	\$3,701.42	\$10,509.06	\$22,247.75	\$65,349.84	POA
		SS-095-24A	SS-097-24A	SS-098-24A	SS-090-24A	SS-09A-24A	SS-09C-24A	N/A	N/A	N/A
		POA	POA	POA	POA	POA	POA	N/A	N/A	N/A
		SS-0H5-24A	SS-0H7-24A	SS-0H8-24A	SS-0H0-24A	SS-0HA-24A	SS-0HC-24A	SS-0HE-24A	SS-0HG-24A	SS-0HH-24A
POA	POA	POA	POA	POA	POA	POA	POA	POA		



TOP ENTRY VALVE PRICE LIST

REVISIONS

PAGE	DATE	DESCRIPTION
20	12JUN17	Added "-EF" option. Removed "-EP" option.



terms & conditions

AIPSA's SALE OF GOODS AND/OR ACCEPTANCE OF BUYER'S PURCHASE ORDER IS EXPRESSLY CONDITIONED ON THE FOLLOWING:

SCOPE AND ENTIRE AGREEMENT: THESE TERMS AND CONDITIONS OF SALE ("TERMS AND CONDITIONS") APPLY TO THE PURCHASE OF GOODS BY BUYER (TOGETHER WITH ITS SUCCESSORS, HEIRS, AFFILIATES, subsidiaries, and permitted assigns collectively, "Buyer") from Aalberts integrated piping systems Americas, Inc. ("Seller" or "AIPSA"). In the event a written agreement for the supply of goods is executed by authorized representatives of both Buyer and Seller ("Supply Agreement"), such Supply Agreement shall supersede these Terms and Conditions to the extent of any conflict. Except as otherwise agreed to in a Supply Agreement, these Terms and Conditions, as well as the terms and conditions printed on the face of Seller's order acknowledgement and invoice, constitute the sole and entire agreement between Buyer and Seller with respect to the subject matter hereof ("Agreement") and supersede all prior oral and written agreements and understandings, whether express or implied, including those implied by law, through usage of trade, course of performance, or course of dealing. By placing an order or otherwise requesting purchase from Seller, Buyer shall be deemed to have agreed to these Terms and Conditions. Any term or condition included by Buyer which is inconsistent with, or in addition to, this Agreement is expressly rejected. Any attempted modification of this Agreement by Buyer, and any additional or different terms included in Buyer's purchase order, other document submitted by Buyer to Seller, or Buyer's internet site, shall be deemed a material alteration and not a rejection of these Terms and Conditions or Agreement and are hereby rejected by Seller, even if such purchase order or other document is accepted by Seller. This Agreement shall govern, control, and apply to all goods ordered by Buyer from Seller via purchase orders, delivery tickets, invoices or electronic commercial transactions between Buyer and Seller.

ORDER ACCEPTANCE: All orders for goods are subject to acceptance by Seller. Seller may withdraw goods from sale at any time without notice to Buyer. Orders that do not conform to Seller's then-current volume or pricing policies shall be considered rejected without further notice to Buyer required. In the event of shortage of the goods, Seller may allocate available goods among customers as and how Seller sees fit.

MINIMUM ORDER QUANTITY: Seller, at its sole election, may establish reasonable minimum order quantities for goods with non-standard requirements for production such as special materials, special machine set ups, etc. Buyer will be notified at the time of quotation or when a Buyer submits a purchase order if the goods are subject to a minimum order quantity. If a submitted purchase order does not meet any established minimum order quantity, Seller expressly rejects the purchase order.

PRICES AND PAYMENT TERMS:

Prices for the goods shall be the prices stated in Seller's price list in effect at the time of shipment, which prices may take into account increase in, inter alia, raw material costs that may occur during the between the acceptance of a Buyer's order and shipment, unless otherwise agreed to in writing by Seller (e.g., as in Seller's order acknowledgement). Certain cuts, modifications, sizing, specifications may be subject to upcharges, and list prices do not include related services (any tagging, testing, drawings, etc.) that may result in additional charges. Prices exclude all taxes, fees, and duties, including, without limitation, (a) all sales, use, franchise, license, excise, value-added, or other taxes; (b) export or import duties; and (c) inspection fees, all of which shall be paid by Buyer. All prices are subject to change by Seller at any time without notice. Price sheets are not offers to sell.

Time of payment is of the essence. Payment terms are net thirty days from date of invoice, unless otherwise agreed in writing by Seller. Buyer agrees to pay for all goods received by Buyer in full, without offset or deduction, at the prices, for the quantities, and per the payment terms specified on Seller's invoice, by check or wire transfer of immediately available funds in the currency specified on Seller's invoice and as reasonably directed by Seller. Buyer shall notify Seller of any dispute with respect to any invoice within ten (10) days of receipt of the disputed invoice or Buyer waives its right to dispute such invoice. Seller reserves the right to charge a late fee of one- and one-half percent (1½%) per month or the maximum percentage rate permitted by law, whichever is lower, on any amounts not paid in accordance with invoiced terms. Without limiting any other remedies under the law, Buyer shall reimburse Seller for all of Seller's costs and expenses, including reasonable attorneys' fees, incurred in connection with collecting payments due or otherwise enforcing this Agreement.

FREIGHT ALLOWANCE: FREIGHT ALLOWANCE: All combined material shipments are full freight allowed at \$6,000, excepting press products, including "Apollo" PowerPress, "Apollo" Press and "Apollo" SmartPress, which are full freight allowed at \$3,000. No freight will be allowed for Air Freight, Air Express, Parcel Post, U.P.S. shipments, other expedited shipping, or shipping in a manner that is not customary for Seller.

SHIPPING & DELIVERY; TRANSFER OF TITLE AND RISK OF LOSS:

Any orders that qualify for a freight allowance will be shipped F.O.B. Shipping Point, freight prepaid and allowed or as otherwise agreed to in writing by Seller. Any orders that do not qualify for a freight allowance will be shipped F.O.B. Shipping Point, freight prepaid and added to the invoice. For all orders, Seller reserves the right to select the carrier and method of shipment and to route shipments at Seller's discretion. If Buyer requests shipment in a manner other than as selected by Seller, Buyer shall reimburse Seller for extra freight charges, special packaging, and incidental costs incurred for goods shipped at Buyer's request by means other than Seller's customary shipping methods. If Buyer requests Seller to delay shipping all or any portion of an order beyond its scheduled shipment date, Seller may at its discretion agree to delay shipment and impose a service charge of \$150 per pallet per day.

Title and risk of loss passes to Buyer upon delivery of goods by Seller to the carrier at the point of origin. Claims for damages or shortages in transit are the responsibility of Buyer. All shipping dates are approximate and are dependent upon prompt receipt from Buyer of all information necessary for the proper execution of Buyer's purchase order and subject to Seller's acceptance and confirmation. For items requiring export licensing, shipping dates are subject to receipt from the Buyer of requisite items as well as processing time for submission and approval of license. Goods controlled by or subject to the U.S. Bureau of Industry and Security or similar governmental oversight are placed on hold until export documents are obtained. Subject to their availability and requisite licensing, Seller will use commercially reasonable efforts to deliver the goods timely, but in no event will Seller be liable for any costs, charges, expenses, or damages (including liquidated damages), or for any penalty for late or delayed delivery. The time of delivery is not of the essence. Seller may, in its sole discretion and without liability or penalty, make partial shipments of goods to Buyer and each such partial shipment shall constitute a separate sale.

TERMINATION OR SUSPENSION: This Agreement and all shipments of goods shall, at all times, be subject to the approval by Seller of Buyer's financial condition. Seller may extend credit to Buyer in Seller's sole discretion and may modify such credit terms at any time. If the financial condition of Buyer at any time becomes unsatisfactory to Seller, in Seller's sole discretion, or if Buyer fails to make payment when payment is due, fails to take delivery, or breaches this Agreement, in addition to any rights Seller may have, Seller may defer or decline to make any shipment(s), cancel a sale, or condition shipment(s) upon receipt of satisfactory security or cash in advance.

INSPECTION BY BUYER AND NONCONFORMING GOODS: All goods must be inspected by Buyer upon receipt. In the event the goods delivered do not conform to the product or quantity stated on a purchase order accepted by Seller pursuant to Seller's order acknowledgement ("Nonconforming Goods"), Buyer must notify Seller in writing within ten (10) days after Buyer's receipt of such Nonconforming Goods. A failure of Buyer to so notify Seller shall constitute a waiver of such a claim. Upon being notified by Buyer, Seller will be afforded a reasonable opportunity to investigate the claim and to correct the non-conformance by, in Seller's sole discretion, either (a) replacing such Nonconforming Goods; or (b) crediting or refunding the price for such Nonconforming Goods, together with shipping charges incurred by Buyer in connection therewith. In either case, Buyer shall ship the nonconforming goods back to Seller at Seller's reasonable direction and expense. The remedies set forth in this section are Buyer's exclusive remedies with respect to the delivery of Nonconforming Goods. Seller will not have responsibility for paying for any costs associated with the use or installation of Nonconforming Goods. Buyer shall defend, indemnify and hold Seller harmless from any claim, damage, liability or expense (including but not limited to reasonable attorneys' fees, costs of investigation, and costs of defense) arising out of or in connection with any violation of the preceding sentence. This section does not apply to nonconformities that are subject to an applicable End User or Reseller Limited Warranty, as defined below.

NON-RETURNABLE, NON-CANCELLABLE GOODS: The following goods are not returnable ("Non-Returnable Goods"): all non-stock, special, custom made, or modified items, including stock items that require special alloys or incorporation of special or non-standard materials, services, or requirements; items containing time-sensitive components that have reached the end of their warranty or shelf life; items that incorporate materials or components from a third party at request of Buyer; and clearance and limited-availability items. Orders (i) for Non-Returnable Goods or (ii) for any services already performed by Seller are non-cancellable and will be invoiced to Buyer for payment per these Terms and Conditions.

RETURNS OF STANDARD, STOCK ITEMS: Only standard, stock items that do not constitute Non-Returnable Goods ("Stock Items") are subject to requests for return. Seller will not accept returns of broken boxes or returns of Stock Items less than case quantity. No goods may be returned without prior written authorization from Seller. Requests to return Stock Items must be made in writing within ninety (90) days from date of shipment by Seller. If authorized by Seller in writing, returns must be shipped prepaid by Buyer to the location designated on the return authorization. Credit will be issued based on the original invoice price, or price in effect at time of return, whichever is lower, less a minimum restocking charge of 30%. All returned goods must be in salable condition in order to qualify for credit. Return authorization will not be granted when the value of all items to be returned is less than \$6,500.00. Orders for Stock Items may be cancelled by notice to the Seller prior to shipment, subject to Buyer's payment of a cancellation charge of 30% of the price in Seller's order confirmation. Cancellation of any order after shipment will be subject to the return provisions of these Terms and Conditions.



terms & conditions

RESELLER LIMITED WARRANTY:

Seller extends to (i) certain purchasers (e.g., builder, installer, contractor, or other person) purchasing the goods for use or installation, rather than resale, and (ii) end users (e.g., property owners) of goods it manufactures (collectively, "End Users") written limited warranties found at <https://aalberts-ips.us/warranty-information/> ("End User Limited Warranty"). If Buyer is an End User of the goods, the terms of the applicable End User Limited Warranty shall govern and control, and the remedies set forth in the End User Limited Warranty shall be Buyer's sole and exclusive remedy, and Seller's entire liability for any breach of warranty or other claim is controlled by the End User Limited Warranty.

It is understood and agreed that Buyer is not an End User. Seller warrants to Buyer that as of the date of manufacture, such goods materially conform to Seller's published specifications in effect as of the date of manufacture and are free from defects in material and workmanship that cause the goods to be unable to perform their intended function ("Reseller Limited Warranty"). Should any goods sold to Buyer in its capacity as a reseller of the goods be found to not meet the foregoing warranty, Seller shall, in its sole discretion, either furnish a replacement or make a fair allowance therefor; provided, however, that Buyer must provide Seller with a written notice of any claim under such warranty within thirty (30) calendar days of Buyer's receipt of the goods and must refrain from resale of the goods. Buyer must afford Seller a reasonable opportunity to inspect the goods and evaluate the claim. AS A RESELLER OF THE GOODS, THIS IS BUYER'S SOLE AND EXCLUSIVE REMEDY WITH RESPECT TO GOODS PURCHASED FOR RESALE WHICH DO NOT CONFORM TO THE WARRANTY STATED ABOVE. EXCEPT FOR THE RESELLER LIMITED WARRANTY, SELLER MAKES NO WARRANTY WHATSOEVER WITH RESPECT TO THE GOODS AND DISCLAIMS ALL OTHER WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHETHER EXPRESS OR IMPLIED BY LAW, COURSE OF DEALING, COURSE OF PERFORMANCE, USAGE OF TRADE, OR OTHERWISE. Nothing in this Agreement or otherwise shall be construed so as to create or infer any other warranty on the goods.

BUYER'S COMPLIANCE, RESELLER OBLIGATIONS, AND EXPORT CONTROL:

Buyer shall comply with all applicable laws, rules, guidelines, regulations, and orders ("Laws") in any way relating to Buyer's purchase, ownership, transportation, receipt, handling, exportation, storage, processing, alteration, relabeling, refinishing, reconfiguring, rebranding, repackaging, disposal, redirection or resale of the goods once the goods have been received by Buyer, including all sanctions, anti-bribery, anti-money laundering and counter-terrorism financing laws applicable in its countries of establishment and/or operation.

In the event Buyer modifies, reconfigures, relabels, rebrands, or repackages the goods for resale (including further distribution), then (a) the goods shall be sold under Buyer's brand, (b) any warranty offer by Seller to Buyer shall be invalidated, and (c) Buyer shall be solely responsible for such modified, reconfigured, relabeled, rebranded, or repackaged goods and for ensuring such goods comply with all applicable Laws. Buyer acknowledges that the goods are subject to various federal, state, provincial, and local Laws and that the goods are labeled for end use within the jurisdiction in which the goods are delivered to Buyer.

Without limiting the foregoing, Buyer shall comply with, and at Seller's request shall demonstrate compliance with, all export laws, restrictions, and regulations of any U.S. agency or authority (including International Traffic in Arms Regulations (ITAR) or the Export Administration Regulations (EAR)) or foreign agency or authority. Buyer shall not export, or re-export, or allow the export or re-export of goods sold under this Agreement in violation of any such laws, embargoes, restrictions or regulations. The above also applies to the extent Buyer otherwise makes available to a foreign person (within or outside of the U.S.) the technical data, technology or know-how comprising, or relating to, the goods. Buyer shall obtain and bear all expenses relating to any necessary licenses and/or exemptions with respect to the export or re-export from the United States to Buyer or customers of Buyer in compliance with all applicable laws and regulations prior to shipment thereof. Buyer shall defend, indemnify and hold Seller harmless from any claim, damage, liability or expense (including but not limited to reasonable attorneys' fees, costs of investigation, and costs of defense) arising out of or in connection with any violation of the preceding sentence.

Buyer expressly acknowledges and agrees not to export, re-export or provide goods to any person, entity, or destination prohibited under U.S. Law from receiving such goods pursuant to sanction or otherwise, without obtaining prior government authorization. All warranties otherwise applicable to the goods shall be null and void for goods exported outside the U.S. and Canada and goods sold outside the U.S. and Canada are "as is", with no express or implied warranties provided by Seller.

PRODUCT LITERATURE, SUITABILITY OF GOODS: Buyer further agrees that it has received and will comply with available product literature on Seller's website as of the time of shipment relating to the transport, storage, handling, and installation of goods from Seller. Seller is not responsible for verifying if its goods are suitable for intended service conditions and assumes no responsibility for same.

NO RECOVERY OF CONSEQUENTIAL OR SPECIAL DAMAGES: IN NO EVENT WILL SELLER BE LIABLE FOR ANY INCIDENTAL, SPECIAL, MULTIPLE, PUNITIVE, INDIRECT, CONSEQUENTIAL, EXEMPLARY OR RESULTING DAMAGES, INCLUDING BUT NOT LIMITED TO, PROPERTY DAMAGE (INCLUDING WATER DAMAGE, MOLD, OR DAMAGE TO OTHER BUILDING COMPONENTS), LOST PROFITS OR REVENUES, OR LOSS OF USE WHETHER ARISING OUT OF BREACH OF CONTRACT, TORT, OR OTHERWISE, REGARDLESS OF WHETHER SUCH DAMAGES WERE FORESEEABLE AND WHETHER EITHER SELLER OR BUYER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, AND NOTWITHSTANDING THE FAILURE OF ANY AGREED OR OTHER REMEDY OF ITS ESSENTIAL

FORCE MAJEURE: Seller shall not be liable, nor deemed in breach hereunder, for any failure or delay in delivering the goods or in the performance of its other obligations to Buyer hereunder, caused by or arising out of circumstances or events beyond the parties' control and that they could not reasonably avoid or overcome ("Force Majeure Event"). Force Majeure Events include, but are not limited to, strikes involving all or part of the Seller's personnel or its customary carriers, fire, flood, war (declared or not), riot, insurrection, acts of terrorism, pandemic, epidemic, public health emergency, acts (including, without limitation, suspensions, closures, and delays) of any governmental authority, priorities granted at the request or for the benefit, directly or indirectly, of any government or agency thereof, shortage of raw material, act of God, weather, natural disasters, production stoppages due to unintended breakdowns, impossibility of receiving supplies or raw materials, weight limits during thaw conditions, road blocks, strikes or breakdowns in electricity or utility supplies, or supply breakdowns attributable to Seller's suppliers, rebellion, revolution, insurrection, military or usurped power, civil war and other hostilities, invasion, act of foreign enemies, mobilization, requisition or embargo, ionizing radiation or contamination by radioactivity from any nuclear fuel or from any nuclear waste from the combustion of nuclear fuel, radioactive toxic explosives, or other hazardous properties of any explosive nuclear assembly or nuclear components thereof, and regardless of whether the cause or condition now exists or arises hereafter, and whether or not such condition is foreseeable. If Seller is rendered unable to carry out any or all of its obligations under this Agreement because of the happening of a Force Majeure Event, then Seller shall give notice to Buyer and, upon the giving of such notice, the obligations of Seller shall be suspended for as long as may be necessary under the circumstances. If the Force Majeure Event lasts longer than thirty (30) days from Seller's notice, Seller and Buyer both have the right to cancel each or all of Buyer's previously accepted and confirmed purchase orders by giving notice to the other within forty-five (45) days of the date of Seller's notice.

INTELLECTUAL PROPERTY: All intellectual property rights related to the goods are either the sole and exclusive property of Seller or Seller is an authorized licensee thereof. Buyer shall not receive any intellectual property ownership or licensing rights with respect to the intellectual property related to the goods. Buyer shall not analyze or otherwise examine, or allow to be analyzed or examined, any of Seller's goods for the purpose of reverse engineering the formulations for such goods. Buyer shall not modify, reconfigure, relabel, rebrand, or repackage the goods or remove any trademarks from or other markings on the goods without the express written consent of Seller.

CONFIDENTIALITY: Any nonpublic, confidential, or proprietary information disclosed by Seller to Buyer, regardless of whether or not such information is marked or identified as "confidential", including any special pricing, discounts, or rebates offered to Buyer, is confidential, solely for the use of performing this Agreement, and may not be disclosed by Buyer to any third party, except where required by law, unless authorized in advance by Seller in writing, where permitted by law. This section does not apply to information, other than personal information, that is in the public domain, known to Buyer at the time of disclosure, or rightfully obtained by Buyer on a non-confidential basis from a third party.

SECURITY PLEDGE: As collateral security for the payment of the purchase price of the goods, Buyer hereby grants to Seller a lien on and security interest in and to all of the right, title, and interest of Buyer in and to the goods until Buyer makes payment for the goods to Seller. The security interest granted under this provision constitutes a purchase-money security interest. Seller is expressly authorized, at its option, and as Buyer's attorney-in-fact, to file one or more financing statements or other notices under applicable law naming Buyer as debtor and Seller as secured party and indicating therein the goods and proceeds thereof as items of collateral. Without limiting the foregoing, Buyer further agrees to pledge each shipment of goods to Seller, and to execute such documents and to do such further acts as necessary to pledge such shipments to Seller.

INDEMNIFICATION: Buyer hereby indemnifies and agrees to defend and hold Seller harmless from any claims, damages, losses, costs and expenses including, without limitation, attorneys' fees and costs of investigation ("Loss") arising out of or related to (a) the negligent, reckless, or willful acts or omissions of Buyer (or its employees, contractors, or agents), (b) the breach by Buyer (or its employees, contractors, or agents) of its obligations, representations, or covenants hereunder, or (c) any failure by Buyer to comply with applicable Laws; provided, however, nothing contained herein obligates Buyer to indemnify and hold Seller harmless from Loss solely caused by (a) the negligent, reckless, or willful acts and omissions of Seller (or its employees, contractors, or agents), (b) the breach by Seller (or its employees, contractors, or agents) of its obligations, representations, or covenants hereunder, or (c) any failure by Seller to comply with applicable Laws.



terms & conditions

GOVERNING LAW; CONSENT TO JURISDICTION: This Agreement and all matters arising out of or relating to this Agreement are governed and to be construed by the laws of the State of North Carolina, including specifically the provisions of the Uniform Commercial Code as then in effect in the State of North Carolina, without regard to any choice of law provisions that would obtain a different result. **THE PARTIES EXPRESSLY EXCLUDE THE APPLICABILITY OF THE UNITED NATIONS CONVENTION ON CONTRACTS FOR THE INTERNATIONAL SALE OF GOODS.** Any action or proceeding arising out of or related to this Agreement shall be brought only in a state court located in Mecklenburg County, North Carolina, or federal court for the Western District of North Carolina, and the parties hereby (i) consent to such exclusive venue and the exclusive jurisdiction of such courts over the subject matter of such proceeding and themselves and (ii) waive and agree not to assert defenses as to venue or personal jurisdiction in any action commenced in such courts pursuant to this Agreement.

ADDITIONAL TERMS:

This Agreement is for the sole benefit of Seller and Buyer, and nothing herein, express or implied, is intended to or shall confer upon any other person or entity any legal or equitable right, benefit, or remedy.

Buyer may not assign any rights nor delegate any obligations under this Agreement without Seller's prior written consent, and any attempt at assignment by Buyer is null and void.

Failure of Seller to enforce any provision of these Terms and Conditions will not be construed as a waiver of any provision hereof. Any waiver must be made in writing, with reference to these Terms and Conditions specifically, and signed by Seller.

If any portion of this Agreement is held invalid or unenforceable, such portion shall be severed from the remaining parts and such holding will not affect the validity or enforceability of any other provision.

If (i) any quotation or other document of Seller is deemed to constitute an offer to Buyer or (ii) any purchase order or other document of Buyer is deemed to constitute an acceptance, Buyer's acceptance of Seller's offer is governed by and subject to these Terms and Conditions.

This Agreement does not obligate Buyer to order goods from Seller, nor does it obligate Seller to accept orders from Buyer.

Seller may amend or change these Terms and Conditions at any time without notice by posting an updated version thereof on its website. The version of these Terms and Conditions in effect as of the date OF SELLER'S ORDER ACKNOWLEDGMENT APPLIES AND SUPERSEDES ALL PRIOR VERSIONS.



Since the inception in 1975, Aalberts is where technology matters and real progress can be made - humanly, financially and environmentally. At Aalberts, we create mission-critical products surrounding valve and connection technology supporting our brand, "Apollo".

The manufacturing of Consolidated Brass Company (later called Conbraco) began in 1928, in Detroit, Michigan with a focus on ball cocks, air cocks and similar products. In 1955, the manufacturing operation moved to the Carolinas spanning North and South Carolina with 3 facilities. In 2010, Aalberts, a global Dutch company, purchased Conbraco. Today the "Apollo" brand is manufactured under the company name, Aalberts integrated piping systems, in 3 locations throughout South Carolina. Over the last 90 years the product portfolio has continued to grow to encompass ball valves, butterfly valves, safety relief valves, control valves, mixing valves and backflow preventors.

These systems are applicable for key verticals such as residential, commercial, industrial, and utility. Our products are designed and developed by our team of innovators and engineers. Our design services team can assist in helping you determine the best techniques for your application with our products. We are the only company that truly offers customers a complete solution every time that is made and sourced from the same organization.

Don't just buy products, buy solutions.

