



# **M & H VALVE**

## **DISTRIBUTOR PRICE LIST**

**AWWA: Butterfly, Double Disc and Resilient Seat Gate Valves.  
Tapping Sleeves & Valves, Check Valves and Fire Hydrants.  
Plug Valves, Mud, Shear and Flap Valves, Floorstands  
and Appurtenances  
For Water Distribution & Water & Waste Treatment**

**EFFECTIVE DATE: FEBRUARY 10, 2012**

**M&H VALVE COMPANY  
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**M&H STYLE 129 FIRE HYDRANTS**

**STYLE 129 A.W.W.A. C502 TRAFFIC MODEL**

Fitted with a 4" or 6" Epoxy Coated, Mechanical Joint Shoe Inlet Connection



DEPTH OF TRENCH	4 1/2" Valve Opening			Wgt.
	2 Hose Nozzles w/ Acc.	3 Way & 1 Pumper Less Acc.	2 Way 2 Hose Nozzles 2way W/Acc.	
2'-6"	\$4,041.00	\$3,967.00	\$3,609.00	404#
3'-0"	\$4,120.00	\$4,046.00	\$3,687.00	424#
3'-6"	\$4,198.00	\$4,124.00	\$3,766.00	440#
4'-0"	\$4,277.00	\$4,203.00	\$3,845.00	458#
4'-6"	\$4,356.00	\$4,282.00	\$3,924.00	476#
5'-0"	\$4,435.00	\$4,361.00	\$4,003.00	494#
5'-6"	\$4,514.00	\$4,440.00	\$4,081.00	512#
6'-0"	\$4,592.00	\$4,518.00	\$4,160.00	530#
6'-6"	\$4,671.00	\$4,597.00	\$4,239.00	548#
7'-0"	\$4,750.00	\$4,676.00	\$4,317.00	566#
7'-6"	\$4,829.00	\$4,755.00	\$4,396.00	584#
8'-0"	\$4,907.00	\$4,833.00	\$4,475.00	602#
8'-6"	\$4,986.00	\$4,912.00	\$4,554.00	620#
9'-0"	\$5,065.00	\$4,991.00	\$4,633.00	638#

DEPTH OF TRENCH	5 1/4" Valve Opening			Wgt.
	2 Hose Nozzles w/ Acc.	3 Way & 1 Pumper Less Acc.	2 Wsy 2 Hose Nozzles 2way W/Acc.	
2'-6"	\$4,159.00	\$4,085.00	\$3,766.00	412#
3'-0"	\$4,261.00	\$4,187.00	\$3,868.00	428#
3'-6"	\$4,363.00	\$4,289.00	\$3,970.00	451#
4'-0"	\$4,466.00	\$4,391.00	\$4,072.00	472#
4'-6"	\$4,567.00	\$4,493.00	\$4,174.00	496#
5'-0"	\$4,669.00	\$4,595.00	\$4,276.00	538#
5'-6"	\$4,771.00	\$4,697.00	\$4,378.00	568#
6'-0"	\$4,873.00	\$4,799.00	\$4,480.00	590#
6'-6"	\$4,975.00	\$4,901.00	\$4,581.00	608#
7'-0"	\$5,077.00	\$5,003.00	\$4,684.00	626#
7'-6"	\$5,179.00	\$5,106.00	\$4,786.00	644#
8'-0"	\$5,281.00	\$5,208.00	\$4,888.00	662#
8'-6"	\$5,383.00	\$5,310.00	\$4,990.00	680#
9'-0"	\$5,485.00	\$5,412.00	\$5,092.00	698#

- For each additional 6" in depth of trench - add 4 1/2 - \$79.00, 5 1/4 - \$102.00 to list price
- Deduct \$74.00 for 2 Way L/Acc.
- List adder for 316 stainless steel nuts and bolts: \$112
- Storz Connectors Available. List adders: 5" = \$665.00
- Flanged shoe supplied in 6" only on 5 1/4" hydrant - pricing same as MJ L/Acc.
- 4" Inlet Connection available in MJ only.
- 4" MJ Inlet Shoe available only on 4 1/2" MVO Hydrants.
- Style 229 Flush Model: 5 1/4 Only - POA
- Model 129 Double Pumper - POA

129 Hydrant Extensions		
SIZE	4 1/2"	5 1/4"
6"	\$705.00	\$787.00
12"	\$828.00	\$919.00
18"	\$880.00	\$1,043.00
24"	\$976.00	\$1,133.00
30"	\$1,620.00	\$1,665.00
36"	\$1,740.00	\$1,786.00
42"	\$1,755.00	\$1,860.00
48"	\$1,848.00	\$2,213.00
54"	\$2,000.00	\$2,383.00
60"	\$2,043.00	\$2,426.00

**M&H 2 1/4" POST - FLUSH TYPE FIRE HYDRANTS**

DEPT)	STYLE 33 WITH (2) 2 1/2" HOSE OF 2" OR 3" Shoe TREN SHO W/ ACC.	STYLE 133 WITH (1) 1 1/2" HOSE 2" OR 3" Shoe MJ SHOE W/ ACC.	STYLE 233 WITH (2) 1 1/2" HOSE 2" OR 3" Shoe MJ SHOE W/ ACC.
2'6"	\$2,825.00	\$2,250.00	\$2,726.00
3'0"	\$2,901.00	\$2,310.00	\$2,786.00
3'6"	\$2,976.00	\$2,370.00	\$2,846.00
4'0"	\$3,051.00	\$2,432.00	\$2,906.00
4'6"	\$3,127.00	\$2,490.00	\$2,966.00
5'0"	\$3,203.00	\$2,550.00	\$3,026.00
5'6"	\$3,278.00	\$2,612.00	\$3,086.00
6'0"	\$3,354.00	\$2,672.00	\$3,146.00

2 1/4" Seat Removal Wrench \$259.00

\*Other than N.S.T. Brass for 1 1/2" Hose Nozzle - P.O.A.

Adders applicable to post type hydrants Style 233 and 333

- Deduct For: 2" or 3" MJ Less Accessories \$19.00
- 2" Screwed End \$19.00
- For 6" Increments Longer than 6', Add \$19.00

PATRIOT FIRE HYDRANT CHECK VALVE AWWA C508	
Connection	List Price
6" Mechanical Joint	\$1,294.00

REPAIR KITS - WRENCHES		4 1/2"		5 1/4"	
Main Valve Repair Kit	Part #547999	\$114.00	Part #557999	\$131.00	
Traffic Repair Kits	Part #402128	\$356.00		\$356.00	
Short Disassembly Wrench	Part #555770	\$201.00	Part #555770	\$201.00	
Long Disassembly Wrench for 5 Ft. Trench	402028	\$584.00	442028	\$615.00	
Deduct or add for each additional 12"		\$60.00		\$60.00	
Mod. 229 Spanner Wrench (1 1/2" P.F.)	Part #545299	\$98.00	Part #554299	\$98.00	
Mod. 129 Pumper Nozzle Wrench	Part #446153	\$137.00	Part #446153	\$137.00	
Mod. 129 Spanner/Holdown Wrench (1 1/2" P.F.)	Part #226210L	\$98.00	Part #226210L	\$98.00	
Mod. 129 Hose Nozzle Wrench	Part #226211L	\$98.00	Part #226211L	\$98.00	

## M&amp;H Style 129 4 1/2" Main Valve Opening Hydrant Part List Price

Item	Description	Qty	Req. Material	Part #	List Price
1	Weather shield (NST)	1	Cast Iron ASTM A-126, Class B	491253	\$48.00
2	Weather Shield Bolt	1	Electro Zinc Plated Steel	200372	\$3.00
3	Operating Nut (Open Left)	1	Bronze Alloy CDA 84400, ASTM B-58	446753	\$164.00
3	Operation Nut (Open Right)	1	Bronze Alloy CDA 84400, ASTM B-58	446754	\$164.00
4	Hold Down Nut "O" Ring	1	N.B. R.	210510	\$8.00
5	Hold Down Nut	1	Bronze Alloy CDA 84400, ASTM B-58	446760	\$119.00
6	Hold Down Nut Set Screw	1	18-8 SS ASTM F-593 Group 1		\$3.00
7	Thrust Washer	1	Nylon		\$0.00
8	Bonnet (Open Left)	1	Cast Iron ASTM A-126, Class B	446757	\$370.00
8	Bonnet (Open Right)	1	Cast Iron ASTM A-126, Class B	446756	\$370.00
9	Bronze Stem Sleeve "O" Ring	*1	N.B.R.		\$0.00
10	Bronze Stem Sleeve	*1	Seamless Brass Tubing, ASTM B135		\$0.00
11	Upper Rod Assembly (Open Left)	1	Steel C1117 HFS With Bronze Stem SI	545331	\$203.00
11	Upper Rod Assembly (Open Right)	1	Steel C1117 HFS With Bronze Stem SI	545332	\$203.00
12	Bonnet Bolts	6	Electro Zinc Plated Steel	200126	\$13.00
13	Bonnet Nuts	6	Electro Zinc Plated Steel	200904	\$5.00
14	Bonnet/Rod "O" Ring	2	N.B.R.	210503	\$8.00
15	Bonnet/Breakline/Stand Pipe "O" Ring	3	N.B.R.	210918	\$5.00
16	Hose Nozzle Cap (NST)	2	Cast Iron ASTM A-126, Class B	574012	\$87.00
17	Pumper Nozzle Cap (NST)	1	Cast Iron ASTM A-126, Class B	582012	\$210.00
18	Hose Nozzle Cap Gasket (NST)	2	Rubber ASTM D2000	210041	\$10.00
19	Pumper Nozzle Cap Gasket (NST)	1	Rubber ASTM D2000	210162	\$13.00
20	Hose Nozzle Set Screw	2	18-8 SS ASTM F-593 Group 1	201159	\$3.00
21	Pumper Nozzle Set Screw	1	18-8 SS ASTM F-593 Group 1	201160	\$3.00
22	Hose Nozzle 2 1/2" (NST)	2	Bronze Alloy CDA 84400, ASTM B-58	454095	\$138.00
23	Pumper Nozzle 4 1/2" (NST)	1	Bronze Alloy CDA 84400, ASTM B-58	454056	\$303.00
24	Hose Nozzle "O" Ring	2	N.B.R.	210043	\$15.00
25	Pumper Nozzle "O" Ring	1	N.B.R.	210044	\$15.00
26	Nozzle Section	1	Cast Iron ASTM A-126, Class B		\$0.00
27	"S" Hook	1	Electro Zinc Plated Steel	201275	\$7.00
28	Chain (for 3 way Hydrant)	1	Electro Zinc Plated Steel	226003	\$13.00
	Chain (for 2 way Hydrant)	1	Electro Zinc Plated Steel	226004	\$13.00
29	Safety Stem/Break Coupling	1	Cast Iron ASTM A-126, Class B	445591	\$75.00
30	3/8" x 2 1/2" Clevis Pin	2	410 Stainless Steel	201199	\$13.00
31	Retaining Clip	2	C1038 Electro Zinc Plated Steel	201198	\$5.00
32	Safety Flange Bolts	8	Electro Zinc Plated Steel	200788	\$20.00
33	Safety Flange Nuts	8	Electro Zinc Plated Steel	200906	\$3.00
34	Safety Flange (Half)	2	Cast Iron ASTM A-126, Class B	226230	\$57.00
35	Stand Pipe Upper Flange	*1	Ductile Iron		\$0.00
36	Stand Pipe (3' Bury)***	1	Ductile Iron Pipe	446903	\$473.00
37	Lower Rod/Lower Stem (3' Bury) **	1	Steel C1117 HFS	445317	\$119.00
38	Stand Pipe Lower Flange	*1	Ductile Iron		\$0.00
39	Shoe Bolts	8	Electro Zinc Plated Steel	200200	\$18.00
40	Shoe Nuts	8	Electro Zinc Plated Steel	200906	\$8.00
41	Hydrant Shoe / Elbow	1	Ductile Iron ASTM A-536, Grade 70-51	545123	\$839.00
42	Drain Hole Bushings	2	Bronze B-135	454422	\$10.00
43	Upper Drain Valve / Upper Valve Plate (Incl.	1	Aluminum-Bronze Alloy ASTM B-763	547511	\$283.00
44	Drain Valve Facing	2	BUNA "S"	224106	\$13.00
45	Drain Valve Facing Rivets	8	Aluminu N.R.S.	201503	\$3.00
46	Lower Stem Pin	1	18-8 Stainless Steel Type E	201814	\$13.00
47	Lower "O" Ring Stem Seal	1	Rubber	210581	\$8.00
48	Main Valve Rubber / Seat	1	S.B.R.	224008	\$75.00
49	Lower Valve Plate Lockwasher	1	18-8 Stainless Steel-Helical Spring Loc	201193	\$3.00
50	Lower Valve Plate	1	Cast Iron ASTM A-126, Class B	446766	\$122.00
51	Bronze Main Valve Seat Ring (Incl #52 and #	1	Aluminum-Bronze Alloy ASTM B-763	545064	\$429.00
52	Main Valve Seat Ring Upper "O" Ring	1	N.B.R.	210518	\$18.00
53	Main Valve Seat Ring Lower "O" Ring	1	N.B.R.	210517	\$18.00
54	Shoe Retainer Ring	*1	Bronze Alloy CDA 84400, ASTM B-584		\$0.00
55	Retainer Ring "O" Ring	*1	N.B.R.		\$0.00
-	Operating Nut Assembly (Incl. #1, #2 and #3)			547998	\$265.00

\* Permanently installed - Not field replaceable

\*\* Add \$13.78 List for each additional 6" increment above 3'

\*\*\* Add \$85.65 List for each additional 6" increment above 3'

## M&amp;H Style 129 5-1/4" Main Valve Opening Hydrant Part List Price

Item	Description	Qty	Req. Material	Part #	List Price
1	Weather shield (NST)	1	Cast Iron ASTM A-126, Class B	491161	\$48.00
2	Weather Shield Bolt	1	Electro Zinc Plated Steel	200372	\$3.00
3	Operating Nut (Open Left)	1	Bronze Alloy CDA 84400, ASTM B-584	455753	\$164.00
3	Operation Nut (Open Right)	1	Bronze Alloy CDA 84400, ASTM B-584	455754	\$164.00
4	Hold Down Nut "O" Ring	1	N.B. R.	210015	\$8.00
5	Hold Down Nut	1	Bronze Alloy CDA 84400, ASTM B-584	455760	\$119.00
6	Hold Down Nut Set Screw	1	18-8 SS ASTM F-593 Group 1		\$3.00
7	Thrust Washer	1	Nylon	210222	\$15.00
8	Bonnet (Open Left)	1	Cast Iron ASTM A-126, Class B	455757	\$386.00
8	Bonnet (Open Right)	1	Cast Iron ASTM A-126, Class B	455758	\$386.00
9	Bronze Stem Sleeve "O" Ring	*1	N.B.R.		\$0.00
10	Bronze Stem Sleeve	*1	Seamless Brass Tubing, ASTM B135		\$0.00
11	Upper Rod Assembly (Open Left)	1	Steel C1117 HFS With Bronze Stem Sleeve	554331	\$203.00
	Upper Rod Assembly (Open Right)	1	Steel C1117 HFS With Bronze Stem Sleeve	554332	\$203.00
12	Bonnet Bolts	6	Electro Zinc Plated Steel	200126	\$13.00
13	Bonnet Nuts	6	Electro Zinc Plated Steel	200904	\$5.00
14	Bonnet/Rod "O" Ring	2	N.B.R.	210506	\$8.00
15	Bonnet/Breakline/Stand Pipe "O" Ring	3	N.B.R.	210645	\$5.00
16	Hose Nozzle Cap (NST)	2	Cast Iron ASTM A-126, Class B	574012	\$87.00
17	Pumper Nozzle Cap (NST)	1	Cast Iron ASTM A-126, Class B	582012	\$210.00
18	Hose Nozzle Cap Gasket (NST)	2	Rubber ASTM D2000	210041	\$10.00
19	Pumper Nozzle Cap Gasket (NST)	1	Rubber ASTM D2000	210162	\$13.00
20	Hose Nozzle Set Screw	2	18-8 SS ASTM F-593 Group 1	201159	\$3.00
21	Pumper Nozzle Set Screw	1	18-8 SS ASTM F-593 Group 1	201160	\$3.00
22	Hose Nozzle 2 1/2" (NST)	2	Bronze Alloy CDA 84400, ASTM B-584	454095	\$138.00
23	Pumper Nozzle 4 1/2" (NST)	1	Bronze Alloy CDA 84400, ASTM B-584	454056	\$303.00
24	Hose Nozzle "O" Ring	2	N.B.R.	210043	\$15.00
25	Pumper Nozzle "O" Ring	1	N.B.R.	210044	\$15.00
26	Nozzle Section	1	Cast Iron ASTM A-126, Class B		\$0.00
27	"S" Hook	1	Electro Zinc Plated Steel	201275	\$7.00
28	Chain (for 3 way Hydrant)	1	Electro Zinc Plated Steel	226003	\$13.00
28	Chain (for 2 way Hydrant)	1	Electro Zinc Plated Steel	226004	\$13.00
29	Safety Stem/Break Coupling	1	Cast Iron ASTM A-126, Class B	454591	\$75.00
30	3/8" x 2 1/2" Clevis Pin	2	410 Stainless Steel	201199	\$13.00
31	Retaining Clip	2	C1038 Electro Zinc Plated Steel	201198	\$5.00
32	Safety Flange Bolts	8	Electro Zinc Plated Steel	200788	\$20.00
33	Safety Flange Nuts	8	Electro Zinc Plated Steel	200906	\$3.00
34	Safety Flange (Half)	2	Cast Iron ASTM A-126, Class B	226231	\$57.00
35	Stand Pipe Upper Flange	*1	Ductile Iron		\$0.00
36	Stand Pipe (3' Bury)***	1	Ductile Iron Pipe	455903	\$473.00
37	Lower Rod/Lower Stem (3' Bury) **	1	Steel C1117 HFS	454317	\$119.00
38	Sand Pipe Lower Flange	*1	Ductile Iron		\$0.00
39	Shoe Bolts	8	Electro Zinc Plated Steel	200200	\$18.00
40	Shoe Nuts	8	Electro Zinc Plated Steel	200906	\$3.00
41	Hydrant Shoe / Elbow	1	Ductile Iron ASTM A-536, Grade 70-50-5	554123	\$1,011.00
42	Drain Hole Bushings	2	Bronze B-135	454422	\$10.00
43	Upper Drain Valve / Upper Valve Plate (Incl.	1	Aluminum-Bronze Alloy ASTM B-763	557511	\$283.00
44	Drain Valve Facing	2	BUNA "S"	224110	\$13.00
45	Drain Valve Facing Rivets	8	Aluminu N.R.S.	201503	\$3.00
46	Lower Stem Pin	1	18-8 Stainless Steel Type E	201814	\$13.00
47	Lower "O" Ring Stem Seal	1	Rubber	210581	\$8.00
48	Main Valve Rubber / Seat	1	S.B.R.	224009	\$75.00
49	Lower Valve Plate Lockwasher	1	18-8 Stainless Steel-Helical Spring Lock Wsl	201193	\$3.00
50	Lower Valve Plate	1	Cast Iron ASTM A-126, Class B	455766	\$122.00
51	Bronze Main Valve Seat Ring (Incl #52 and #	1	Aluminum-Bronze Alloy ASTM B-763	554064	\$429.00
52	Main Valve Seat Ring Upper "O" Ring	1	N.B.R.	210586	\$35.00
53	Main Valve Seat Ring Lower "O" Ring	1	N.B.R.	210546	
54	Shoe Retainer Ring	*1	Bronze Alloy CDA 84400, ASTM B-584		\$0.00
55	Retainer Ring "O" Ring	*1	N.B.R.		\$0.00
-	Operating Nut Assembly (Incl. #1, #2 and #3)			557998	\$302.00

\* Permanently installed - Not field replaceable

\*\* Add \$13.78 List for each additional 6" increment above 3'

\*\*\* Add \$85.65 List for each additional 6" increment above 3'

**M&H STYLE 929 FIRE HYDRANT**

**AWWA C-502 TRAFFIC MODEL FIRE HYDRANT WITH 2 - 2 1/2" HOSE  
1 - 4 1/2" PUMPER OUTLET EQUIPPED WITH BRONZE  
TO BRONZE MAIN VALVE SEAT, 6" MJ SHOE W/ ACC.; EPOXY COATED**

<b>STYLE 929 HYDRANTS</b>		
<b>TRENCH DEPTH</b>	<b>5 1/4" w/ acc.</b>	<b>5 1/4" l/ acc.</b>
2'-6"	\$4,262.00	\$4,188.00
3'-0"	\$4,262.00	\$4,188.00
3'-6"	\$4,364.00	\$4,290.00
4'-0"	\$4,466.00	\$4,392.00
4'-6"	\$4,568.00	\$4,494.00
5'-0"	\$4,670.00	\$4,596.00
5'-6"	\$4,772.00	\$4,698.00
6'-0"	\$4,874.00	\$4,800.00
6'-6"	\$4,976.00	\$4,902.00
7'-0"	\$5,078.00	\$5,004.00
7'-6"	\$5,180.00	\$5,106.00
8'-0"	\$5,282.00	\$5,208.00
8'-6"	\$5,384.00	\$5,310.00
9'-0"	\$5,486.00	\$5,412.00

<b>STYLE 929 HYDRANT EXTENSIONS</b>	
<b>5 1/4</b>	
6"	\$788.00
12"	\$920.00
18"	\$1,044.00
24"	\$1,134.00
30"	\$1,666.00
36"	\$1,788.00
42"	\$1,862.00
48"	\$2,214.00
54"	\$2,384.00
60"	\$2,428.00

For greater than 9'0" bury, add per each 6" increment: \$74.00

<b>929 REPAIR KITS - WRENCHES</b>		
Main Valve Repair Kit	Part #555978	\$236.00
Traffic Repair Kit	Part #442929	\$450.00
Main Valve Disassembly Wrench	Part #555770	\$200.00
Spanner/Operating Wrench (1 1/2" P.F.)	Part #226210L	\$98.00
Stem Stop/Lock Nut Removal Wrench	Part #220415	\$100.00
Pumper Nozzle Wrench	Part #446153	\$137.00
*Hose Nozzle Wrench	Part #226211L	\$98.00

## M&amp;H Style 929 Fire Hydrant Parts Price List

Item #	Description	Qty.	Req. Material	Part #	List Price
1	Weather Shield	1	Cast Iron ASTM A-126, Class B	454759	\$43.00
2	Lubricating Plug Bolt	1	Electro Zinc Plated Steel	200372	\$15.00
3	Operating Nut (Open Left)	1	Bronze Alloy CDA 84400, ASTM B-584	454757	\$312.00
4	Hold Down Nut "O" Ring	1	N.B.R.	210541	\$8.00
5	Hold Down Nut	1	Bronze Alloy CDA 84400, ASTM B-584	454760	\$164.00
6	Hold Down Nut Set Screw	1	18-8 SS ASTM F_593 Group 1	201164	\$3.00
7	Thrust Washer	1	Nylon	210218	\$15.00
8	Bonnet (Open Left)	1	Cast Iron ASTM A-126, Class B	454762	\$386.00
9	*** Bronze Stem Sleeve "O" Ring	1	N.B.R.	NA	\$0.00
10	*** Bronze Stem Sleeve	1	Seamless Brass Tubing, ASTM B135	NA	\$0.00
11	+ Upper Rod / Stem Assembly	1	Steel C1117 HFS w/ Bronze Stem Sleeve	557000	\$203.00
12	Bonnet Bolts	3	Electro Zinc Plated Steel	200918	\$13.00
13	Bonnet / Seal Plate Nuts	6	Electro Zinc Plated Steel	200904	\$5.00
14	Seal Plate/Stem Seal "O" Rings	2	N.B.R.	210506	\$8.00
15	Seal Plate / Nozzle / Stand pipe "O" Rings	3	N.B.R.	210645	\$5.00
16	+ Hose Nozzle Cap	2	Cast Iron ASTM A-126, Class B	574012	\$87.00
17	+ Pumper Nozzle Cap	1	Cast Iron ASTM A-126, Class B	582012	\$210.00
18	+ Hose Nozzle Cap Gasket	2	Rubber STM D2000	210041	\$10.00
19	+ Pumper Nozzle Cap Gasket	1	Rubber STM D2000	210162	\$13.00
20	+ Hose Nozzle Set Screw	2	18-8 SS ASTM F_593 Group 1	201159	\$3.00
21	+ Pumper Nozzle Set Screw	1	18-8 SS ASTM F_593 Group 1	201160	\$3.00
22	+ Hose Nozzle (NST)	2	Bronze Alloy CDA 84400, ASTM B-584	454095	\$138.00
23	+ Pumper Nozzle (NST)	1	Bronze Alloy CDA 84400, ASTM B-584	454056	\$303.00
24	+ Hose Nozzle "O" Ring	2	N.B.R.	210043	\$15.00
25	+ Pumper Nozzle "O" Ring	1	N.B.R.	210044	\$15.00
26	+ Nozzle Section	1	Cast Iron ASTM A-126, Class B		\$0.00
27	+ "S" Hook	1	Electro Zinc Plated Steel	201275	\$8.00
28	+ Chain for 3 way Hydrant	1	Electro Zinc Plated Steel	226003	\$13.00
29	+ Safety Stem Coupling / Break Coupling	1	Cast Iron ASTM A-126, Class B	454591	\$75.00
30	Clevis Pin	2	410 Stainless Steel	201199	\$13.00
31	Retaining Clip	2	C1038 Electro Zinc Plated Steel	201198	\$5.00
32	Safety Lug Bolts	6	Electro Zinc Plated Steel	200923	\$20.00
33	Safety Lug Nuts	6	Electro Zinc Plated Steel	200906	\$3.00
34	Safety Lugs	6	Cast Iron ASTM A-126, Class B	455081	\$18.00
35	*** Stand Pipe Upper Flange	1	Ductile Iron	NA	\$0.00
36	** Stand Pipe (Incl. #35 & #38) 3' Bury	1	Ductile Iron Pipe	455656	\$1,047.00
37	* Lower Rod / Lower Stem (3' Bury)	1	Steel C1117 HFS w/ Bronze Stem Sleeve	454770	\$127.00
38	*** Stand Pipe Lower Flange	1	Ductile Iron	NA	\$0.00
39	Shoe Bolts	8	Electro Zinc Plated Steel	200990	\$3.00
40	Shoe Bolt Nuts	8	Electro Zinc Plated Steel	200956	\$8.00
41	+ Hydrant Shoe / Elbow	1	Ductile Iron ASTM A-126, Class B	554123	\$1,011.00
42	+ Drain Hole Bushings	2	Bronze B-135	454422	\$10.00
43	Upper Drain Valve / Upper Valve Plate (Incl. #	1	Aluminum Bronze Alloy ASTM B-763	557511	\$283.00
44	Drain Valve Facing	2	Buna "S"	224110	\$13.00
45	Drain Valve Facing Rivets	8	Aluminum	201503	\$3.00
46	Lower Stem Pin 1/2" x 1-3/4"	1	18-8 Stainless Steel Type E	201814	\$13.00
47	Lower Stem "O" Ring Seal	1	N.B.R.	210581	\$8.00
48	Main Valve Rubber / Seat	1	S.B.R.	224009	\$75.00
49	Lower Valve Plate Lockwasher	1	18-8 Stai N.R.S.	210219	\$20.00
50	Lower Valve Plate / Bottom Plate	1	Cast Iron ASTM A-126, Class B	454070	\$30.00
51	Bronze Main Valve Seat Ring (Incl. #52 and# 5	1	Aluminum Bronze Alloy ASTM B-763	554064	\$429.00
52	Main Valve Seat Ring Upper "O" Ring	1	N.B.R.	210586	\$35.00
53	Main Valve Seat Ring Lower "O" Ring	1	N.B.R.	210546	\$18.00
54	*** Shoe Retainer Ring	1	Bronze Alloy CDA 84400, ASTM B-584	NA	\$0.00
55	*** Shoe Retainer Ring "O" Ring	1	N.B.R.	NA	\$0.00
56	Seal Plate	1	Cast Iron ASTM A-126, Class B	454766	\$122.00
57	Seal Plate Gaskets	2	Rubber		\$20.00
58	Stem Stop Nut	1	Bronze Alloy CDA 84400, ASTM B-584	455055	\$45.00
59	Seal Plate Bolts	3	Electro Zinc Plated Steel	200916	\$8.00
60	Bottom Plate Cap Nut	1	Cast Iron ASTM A-126, Class B	455135	\$30.00

\* Add \$13.78 Lest for each addition 6" increment above 3'

\*\*Add \$85.65 List for each additional 6" Increment above 3'

\*\*\*Not Field Replaceable

+ Common parts with 5 1/4 129 Hydrant

## 2 1/4" HYDRANT PARTS

### STYLE #0033, 0133, 0233

	DESCRIPTION	PART NO.	LIST PRICE		DESCRIPTION	PART NO.	LIST PRICE
1.	Shoe - 2" M.J.	431840	\$760.00	9.	Operating Locknut - L.H.	446760	\$119.00
	Shoe - 3" M.J.	431842	\$760.00		Operating Locknut - R.H.	445056	\$119.00
	Shoe - 2" Screwed	431838	\$760.00	10.	Bonnet Bolt	200230	\$15.00
2.	Standpipe - 2'0" Trench	431912	\$842.00	11.	Bonnet Nut	200904	\$8.00
	Standpipe - 2'6" Trench	431915	\$879.00	12.	Bonnet Gasket	211133	\$13.00
	Standpipe - 3'0" Trench	431918	\$919.00	13.	Hose Nozzle - 2 1/2 NST	454095	\$166.00
	Standpipe - 3'6" Trench	431921	\$961.00		Hose Nozzle - 1 1/2 NST	230015	\$166.00
	Standpipe - 4'0" Trench	431924	\$1,000.00	14.	Hose Nozzle Set Screw	201159	\$3.00
	Standpipe - 4'6" Trench	431927	\$1,050.00	15.	Hose Nozzle Cap (inc. 16 & 17)		\$0.00
	Standpipe - 5'0" Trench	431930	\$1,082.00		2 1/2" NST 1 1/2" Pl	574012	\$85.00
	Standpipe - 5'6" Trench	431933	\$1,119.00		1 1/2" NST	521059	\$85.00
	Standpipe - 6'0" Trench	431936	\$1,159.00	16.	Hose Nozzle Cap Gasket		\$0.00
3.	Nozzle Section - 1-Way 2 1/2	431854	\$520.00		2 1/2" NST	210041	\$10.00
	Nozzle Section - 2-Way 1 1/2	431855	\$669.00		1 1/2" NST	210166	\$10.00
	Nozzle Section - 1-Way 1 1/2	431879	\$520.00	17.	Hose Nozzle Cap Chain	226002	\$13.00
4.	Bonnet - L.H.	431856	\$223.00	18.	* Standpipe Gasket	211133	\$13.00
	Bonnet - R.H.	431857	\$223.00	19.	* Standpipe Bolt	200230	\$15.00
5.	Main Valve Rod (3/4" Dia.) - 3'0" Tr. L.H.	421035	\$137.00		Standpipe Nut	200904	\$8.00
	Main Valve Rod (3/4" Dia.) - 3'0" Tr. R.H.	421036	\$137.00	20.	Drain Valve (inc. 26 & 27)	521060	\$194.00
	Main Valve Rod (3/4" Dia.) - 3'6" Tr. L.H.	421037	\$151.00	21.	Main Valve Lower Plate	431858	\$23.00
	Main Valve Rod (3/4" Dia.) - 3'6" Tr. R.H.	421038	\$151.00	22.	Main Valve Rubber	224007	\$70.00
	Main Valve Rod (3/4" Dia.) - 4'0" Tr. L.H.	421039	\$151.00	23.	Main Valve Rod Acorn Nut	201353	\$35.00
	Main Valve Rod (3/4" Dia.) - 4'0" Tr. R.H.	421040	\$151.00	24.	Main Valve Seat	421062	\$231.00
	Main Valve Rod (3/4" Dia.) - 4'6" Tr. L.H.	421041	\$179.00	25.	Main Valve Seat O-Ring	210560	\$15.00
	Main Valve Rod (3/4" Dia.) - 4'6" Tr. R.H.	421042	\$179.00	26.	Drain Valve Facing	224104	\$13.00
	Main Valve Rod (3/4" Dia.) - 5'0" Tr. L.H.	421043	\$186.00	27.	Drain Valve Rivet	201503	\$3.00
	Main Valve Rod (3/4" Dia.) - 5'0" Tr. R.H.	421044	\$186.00	28.	Stem Pin	209105	\$5.00
	Main Valve Rod (3/4" Dia.) - 5'6" Tr. L.H.	421045	\$198.00	29.	Hose Nozzle O-Ring	210557	\$15.00
	Main Valve Rod (3/4" Dia.) - 5'6" Tr. R.H.	421046	\$198.00	30.	Felt Washer NA (use oring)	210015	\$8.00
	Main Valve Rod (3/4" Dia.) - 6'0" Tr. L.H.	421047	\$211.00		Weatherproof O-Ring	210510	\$8.00
	Main Valve Rod (3/4" Dia.) - 6'0" Tr. R.H.	421048	\$211.00	31.	Lubricating Plug	201175	\$18.00
6.	Operating Nut - 1 1/2" P-F L.H.	521053	\$198.00	32.	Shoe Bolt	200779	\$15.00
	Operating Nut - 1 1/2" P-F R.H.	521054	\$198.00		Shoe Nut	200904	\$8.00
7.	Lub Screw	201188	\$8.00	33.	Flanged Lug (Half)	226227L	\$57.00
8.	Bonnet O-Ring	210503	\$8.00	34.	Lower O-Ring Stem Seal	210582	\$8.00

**\*Prior to 2012 Parts Listed Above. For 2012 and after see Below:**

18.	Standpipe O-Ring	210046	\$8.00
19.	Standpipe Bolt	200779	\$15.00

## M&H A.W.W.A. C-509 RESILIENT SEAT GATE VALVE

AWWA C-550 Epoxy I.D. and O.D.



Size	Mech. Joint W/ Access.		Mech. Joint L/ Access.		Push-On End W/Gasket		Push-On End 4067-22 L/Gaskets		POE By Flg. W/ Gasket		POE By Flg. L/ Gasket	
	4067-01	Wgt.	4067-01	Wgt.	4067-22	Wgt.	4067-22	Wgt.	4067-23	Wgt.	4067-23	Wgt.
2"	\$835.00	47#	\$739.00	39#	-	-	-	-	-	-	-	-
2 1/2"					-	-	-	-	-	-	-	-
3"	\$1,094.00	74#	\$1,047.00	63#	-	-	-	-	-	-	-	-
4"	\$1,251.00	103#	\$1,170.00	87#	\$1,275.00	88#	\$1,201.00	87#	\$1,210.00	88#	\$1,180.00	87#
6"	\$1,620.00	158#	\$1,493.00	136#	\$1,648.00	138#	\$1,581.00	135#	\$1,599.00	138#	\$1,555.00	135#
8"	\$2,520.00	240#	\$2,378.00	206#	\$2,627.00	214#	\$2,402.00	211#	\$2,515.00	214#	\$2,458.00	211#
10"	\$3,917.00	392#	\$3,708.00	352#	\$4,017.00	360#	\$3,880.00	355#	\$3,934.00	360#	\$3,865.00	355#
12"	\$4,951.00	522#	\$4,692.00	480#	\$5,028.00	505#	\$4,863.00	496#	\$4,840.00	505#	\$4,756.00	496#

Size	Flanged by Mech. Joint 4067-13		Flanged By Mech. Joint 4067-13 Less Access.		P.V.C. 4067-03		Screwed Ends 4067-07		OS&Y 4068-02		Flanged 4067-02	
	4067-13	Wgt.	4067-13	Wgt.	4067-03	Wgt.	4067-07	Wgt.	4068-02	Wgt.	4067-02	Wgt.
2"	-	-	-	-	\$761.00	37#	\$714.00	33#	-	-	\$732.00	39#
2 1/2"	-	-	-	-	\$1,043.00	47#	\$884.00	44#	\$1,144.00	55#	\$874.00	51#
3"	\$1,017.00	-	\$994.00	-	\$1,112.00	57#	\$1,053.00	50#	\$1,332.00	67#	\$1,038.00	62#
4"	\$1,191.00	94#	\$1,117.00	86#	\$1,273.00	83#	-	-	\$1,526.00	88#	\$1,160.00	87#
6"	\$1,563.00	151#	\$1,493.00	140#	\$1,648.00	134#	-	-	\$1,982.00	138#	\$1,550.00	134#
8"	\$2,435.00	224#	\$2,333.00	210#	\$2,598.00	219#	-	-	\$3,028.00	214#	\$2,423.00	212#
10"	\$3,831.00	378#	\$3,708.00	358#	\$4,018.00	-	-	-	\$4,460.00	360#	\$3,850.00	369#
12"	\$4,738.00	457#	\$4,477.00	436#	\$5,028.00	-	-	-	\$5,807.00	505#	\$4,649.00	523#

Size	Tapping Valve Flanged by Mech. Joint With Access.		Tapping Valve Flanged By Mech. Joint Less Access.	
	4751-01	Wgt.	4751-01	Wgt.
3"	\$1,455.00	97#	\$1,374.00	89#
4"	\$1,563.00	97#	\$1,476.00	89#
6"	\$2,166.00	153#	\$2,085.00	142#
8"	\$3,213.00	228#	\$3,095.00	214#
10"	\$4,810.00	398#	\$4,667.00	378#
12"	\$7,352.00	544#	\$7,050.00	523#

Size	Pallet Quantities	
	NRS	OSY
2"	-	-
2 1/2"	-	-
3"	-	-
4"	30	30
6"	24	10
8"	10	10
10"	6	6
12"	4	4

Open Mitre Box: POA

Enclosed Mitre Box: POA

\*For 316 SS Nuts and Bolts adder, please see page 21

\*For Chainwheel adder, please see page 21



**M&H PARTS PRICE LIST - A.W.W.A. C-509**  
**NRS Resilient Seated Gate Valves - Open Left**  
**Refer to RSGV Drawins - 14139**  
**40 Series**

DESCRIPTION	ITEM		2"	2 1/2"	3"	4"	
	NO.	QTY.	PRICE	PRICE	PRICE	PART #	PRICE
Hex Head Bolt	R-1	1	\$6.00	\$6.00	\$6.00	200693	\$6.00
Flat Washer	R-2	1	\$2.00	\$2.00	\$2.00	201698	\$2.00
Operating Nut O.L.	R-3	1	\$28.00	\$28.00	\$28.00	226370L	\$28.00
Seal Plate Hex Head Bolt	R-4	2	\$3.00	\$3.00	\$3.00	200739	\$3.00
Seal Plate Hex Nut	R-4	2	\$3.00	\$3.00	\$3.00	200956	\$3.00
Seal Plate/Stuffing Box	R-5	1	\$29.00	\$29.00	\$50.00	529661	\$55.00
Stem Seal	R-6	3	\$3.00	\$3.00	\$3.00	210501	\$8.00
Seal Plate O-Ring	R-7	1	\$6.00	\$6.00	\$7.00	210015	\$7.00
Thrust Washer	R-8	2	\$2.00	\$2.00	\$2.00	210935	\$2.00
Stem O.L.	R-9	1	\$129.00	\$129.00	\$267.00	498702	\$282.00
Cap Hex Head Bolts	R-10	Varies	\$3.00	\$3.00	\$3.00	200986	\$3.00
Cap Hex Nuts	R-10	Varies	\$3.00	\$3.00	\$3.00	200954	\$3.00
Cap	R-11	1	\$239.00	\$277.00	\$324.00	595400	\$363.00
Stem Nut O.L.	R-12	1	\$65.00	\$65.00	\$69.00	498716	\$69.00
Wedge	R-13	1	\$210.00	\$253.00	\$277.00	529670	\$339.00
Cap O-Ring	R-14	1	\$8.00	\$11.00	\$16.00	210031	\$18.00
M.J. Body	R-15	1	\$587.00	\$668.00	\$706.00	595403	\$811.00
F.E. Body	R-15	1	\$587.00	\$668.00	\$706.00	595402	\$811.00
Handwheel O.L.		1	\$82.00	\$82.00	\$82.00	226383L	\$82.00

DESCRIPTION	ITEM		6"		8"		10"		12"	
	NO.	QTY.	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE
Hex Head Bolt	R-1	1	200729	\$6.00	200729	\$6.00	200729	\$6.00	200729	\$6.00
Flat Washer	R-2	1	201699	\$3.00	201699	\$3.00	201699	\$3.00	201699	\$3.00
Operating Nut O.L.	R-3	1	226372L	\$28.00	226374L	\$28.00	226376L	\$28.00	226376L	\$28.00
Seal Plate Hex Head Bolt	R-4	2	200129	\$3.00	200989	\$3.00	200721	\$3.00	200721	\$3.00
Seal Plate Hex Nut	R-4	2	200906	\$3.00	200956	\$3.00	200958	\$3.00	200958	\$3.00
Seal Plate	R-5	1	596021	\$55.00	529663	\$70.00	529664	\$90.00	529664	\$90.00
Stem Seal	R-6	3	210502	\$6.00	210504	\$10.00	210506	\$6.00	210506	\$6.00
Seal Plate O-Ring	R-7	1	210016	\$7.00	210016	\$7.00	210017	\$7.00	210017	\$7.00
Thrust Washer	R-8	2	210936	\$3.00	210937	\$3.00	210938	\$4.00	210938	\$4.00
Stem O.L.	R-9	1	498704	\$382.00	498706	\$515.00	498708	\$734.00	498710	\$921.00
Cap Hex Head Bolts	R-10	4	200989	\$3.00	200991	\$3.00	200935	\$3.00	200514	\$3.00
Cap Hex Nuts	R-10	Varies	200956	\$3.00	200956	\$3.00	200956	\$3.00	200956	\$3.00
Cap	R-11	1	595500	\$401.00	595600	\$453.00	595700	\$797.00	595800	\$1,107.00
Stem Nut O.L.	R-12	1	498718	\$124.00	498720	\$143.00	498722	\$181.00	498722	\$181.00
Wedge	R-13	1	529671	\$429.00	529672	\$646.00	529673	\$983.00	529674	\$1,298.00
Cap O-Ring	R-14	1	210032	\$19.00	210033	\$22.00	210034	\$32.00	210035	\$32.00
M.J. Body	R-15	1	595503	\$1,193.00	595603	\$1,565.00	595703	\$2,595.00	595803	\$3,416.00
F.E. Body	R-15	1	595502	\$1,193.00	595602	\$1,565.00	595702	\$2,595.00	595802	\$3,416.00
Handwheel O.L.		1	226385L	\$149.00	226387L	\$236.00	226389L	\$299.00	226389L	\$299.00

N.R.S.

- \* Open right - same price - part number not shown.
- \* Order by item number shown and description but specify open right.
- \* NOTE: Use same parts prices for RSGV tapping valves.



**M&H A.W.W.A. C-515 REDUCED WALL  
RESILIENT SEAT GATE VALVE**  
AWWA C-550 Epoxy I.D. and O.D.



Size	Mech. Joint W/ Access. 7571-01	Wgt.	Mech. Joint Less Access. 7571-01	Wgt.	Push-On End 7901-22 W/ Gasket	Wgt.	Push-On End 7901-22 L/ Gaskets	Wgt.	POE By Flg. W/ Gasket 7902-23	Wgt.	POE By Flg. L/ Gasket 7902-23	Wgt.
2"	\$835.00	26#	\$739.00	25#								
2 1/2"												
3"	\$1,094.00	42#	\$1,047.00	40#								
4"	\$1,251.00	77#	\$1,170.00	75#	\$1,275.00	78#	\$1,201.00	77#	\$1,210.00	101#	\$1,180.00	100#
6"	\$1,620.00	122#	\$1,493.00	120#	\$1,648.00	126#	\$1,581.00	124#	\$1,599.00	161#	\$1,555.00	160#
8"	\$2,520.00	187#	\$2,378.00	185#	\$2,627.00	192#	\$2,402.00	188#	\$2,515.00	242#	\$2,458.00	240#
10"	\$3,917.00	335#	\$3,708.00	331#	\$4,017.00	315#	\$3,880.00	311#	\$3,934.00	342#	\$3,865.00	340#
12"	\$4,951.00	527#	\$4,692.00	523#	\$5,028.00	428#	\$4,863.00	424#	\$4,840.00	502#	\$4,756.00	500#
14"	\$15,321.00	673#	\$14,499.00	625#	\$16,145.00		\$15,997.00					
16"	\$16,624.00	701#	\$15,728.00	701#	\$16,451.00		\$16,302.00					
18**	\$27,342.00	2100#	\$25,744.00	2000#								
20**	\$32,647.00	2130#	\$30,918.00	2130#								
24**	\$46,602.00	3130#	\$43,962.00	3030#								
30-36"	POA		POA									
42-48"	POA		POA									

\*18", 20", and 24" only finished with gearing. Add gearing prices ,  
\*\*Furnished w/ Gear only.

Size	Flanged by Mech. Joint W/ Acc. 7572-13	Wgt.	Flanged By Mech. Joint L/ Acc. 7572-13	Wgt.	P.V.C. 7597	Wgt.	Screwed Ends 7057-07	Wgt.	OS&Y 7068-02	Wgt.	Flanged 7561-02	Wgt.
2"					\$761.00		\$714.00	33#			\$732.00	
2 1/2"					\$1,043.00		\$884.00	44#	\$1,144.00		\$874.00	
3"	\$1,017.00		\$994.00		\$1,112.00		\$1,053.00	50#	\$1,332.00	68#	\$1,038.00	
4"	\$1,191.00	106#	\$1,117.00	104#	\$1,273.00	101#			\$1,526.00	94#	\$1,160.00	75#
6"	\$1,563.00	122#	\$1,493.00	120#	\$1,648.00	161#			\$1,982.00	157#	\$1,550.00	120#
8"	\$2,435.00	206#	\$2,333.00	204#	\$2,598.00	242#			\$3,028.00	239#	\$2,423.00	185#
10"	\$3,831.00	304#	\$3,708.00	300#	\$4,018.00	342#			\$4,460.00	320#	\$3,850.00	331#
12"	\$4,738.00	398#	\$4,477.00	394#	\$5,028.00	502#			\$5,807.00	425#	\$4,649.00	523#
14"	\$14,910.00	1000#	\$14,499.00	950#					\$20,660.00		\$14,499.00	650#
16"	\$16,176.00	1700#	\$15,728.00	1600#					\$25,599.00		\$15,728.00	1140#
18**	\$26,543.00	2100#	\$25,744.00	2000#					\$28,821.00		\$25,744.00	2000#
20**	\$31,784.00	2230#	\$30,918.00	2130#					\$36,179.00		\$30,918.00	2130#
24**	\$45,280.00	3130#	\$43,962.00	3030#					\$49,993.00		\$43,962.00	3030#
30/36"	POA		POA									
42/48"	POA		POA									
54"												

GEARING ADDERS		
SIZE	ENCLOSED BEVEL GEARS N.R.S.	ENCLOSED SPUR GEARS
14"-16	\$4,933.00	\$4,734.00
18"	\$5,866.00	\$5,445.00
20"	\$5,866.00	\$5,445.00
24"	\$6,583.00	\$6,355.00

Resilient Seated Tapping Valves				
Size	Flanged by Mech. Joint 7950-01	Wgt.	Flanged By Mech. Joint L/Access. 7950-01	Wgt.
3"	\$1,455.00	106#	\$1,374.00	104#
4"	\$1,563.00	106#	\$1,476.00	104#
6"	\$2,166.00	122#	\$2,085.00	120#
8"	\$3,213.00	206#	\$3,095.00	204#
10"	\$4,810.00	304#	\$4,667.00	300#
12"	\$7,352.00	398#	\$7,050.00	394#
14"	\$16,597.00	800#	\$16,187.00	700#
16"	\$18,849.00	1046#	\$18,356.00	1000#
18**	\$31,277.00	2100#	\$30,478.00	2000#
20**	\$37,666.00	2230#	\$36,800.00	2130#
24**	\$51,259.00	3130#	\$49,941.00	3030#

AWWA C515 250LB FLANGED DUCTILE IRON - RSGV			
Size	7168-02 FEXFE OS&Y Weight	7058-02 FEXFE NRS	Weight
2 1/2"	\$2,230.00	81#	\$2,200.00
3"	\$3,166.00	81#	\$2,200.00
4"	\$3,576.00	116#	\$2,710.00
6"	\$4,000.00	116#	\$3,982.00
8"	\$5,370.00		\$5,426.00
10"	\$8,140.00		\$7,492.00
12"	\$9,812.00		\$10,824.00

Pallet		
Size	NRS	OS&Y
2"	-	-
2 1/2"	-	-
3"	-	-
4"	30	30
6"	24	10
8"	10	8
10"	6	4
12"	4	4

## M&H PARTS PRICE LIST - A.W.W.A. C515

### NRS Resilient Seated Gate Valves - Open Left 70 Series

DESCRIPTION	ITEM		2"	2 1/2"	3"	4"	
	NO.	QTY.	PRICE	PRICE	PRICE	PART #	PRICE
Hex Head Bolt	R-1	1	\$6.00	\$6.00	\$6.00	200693	\$6.00
Flat Washer	R-2	1	\$2.00	\$2.00	\$2.00	201698	\$2.00
Operating Nut O.L.	R-3	1	\$28.00	\$28.00	\$28.00	226370L	\$28.00
Seal Plate Hex Head Bolt	R-4	2	\$3.00	\$3.00	\$3.00	200739	\$3.00
Seal Plate Hex Nut	R-4	2	\$3.00	\$3.00	\$3.00	200956	\$3.00
Seal Plate	R-5	1	\$29.00	\$29.00	\$50.00	596020	\$55.00
Stem Seal	R-6	3	\$4.00	\$4.00	\$4.00	210501	\$4.00
Seal Plate O-Ring	R-7	1	\$6.00	\$6.00	\$7.00	210015	\$7.00
Thrust Washer	R-8	2	\$2.00	\$2.00	\$2.00	210935	\$2.00
Stem O.L.	R-9	1	\$129.00	\$129.00	\$267.00	498702	\$282.00
Cap Hex Head Bolts	R-10	Varies	\$3.00	\$3.00	\$3.00	200986	\$3.00
Cap Hex Nuts	R-10	Varies	\$3.00	\$3.00	\$3.00	200954	\$3.00
Cap	R-11	1	\$239.00	\$277.00	\$324.00	596600	\$363.00
Stem Nut O.L.	R-12	1	\$65.00	\$65.00	\$69.00	498716	\$69.00
Wedge	R-13	1	\$210.00	\$253.00	\$277.00	596000	\$339.00
Cap O-Ring	R-14	1	\$8.00	\$11.00	\$16.00	210031	\$18.00
M.J. Body	R-15	1	\$587.00	\$668.00	\$706.00	596640	\$811.00
F.E. Body	R-15	1	\$587.00	\$668.00	\$706.00	596620	\$811.00
Handwheel O.L.		1.00	\$82.00	\$82.00	\$82.00	226383L	\$82.00

DESCRIPTION	ITEM		6"	8"	10"	12"		
	NO.	QTY.	PART #	PRICE	PART #	PRICE	PART #	PRICE
Hex Head Bolt	R-1	1	200729	\$6.00	200729	\$6.00	200729	\$6.00
Flat Washer	R-2	1	201699	\$3.00	201699	\$3.00	201699	\$3.00
Operating Nut O.L.	R-3	1	226372L	\$28.00	226374L	\$28.00	226376L	\$28.00
Seal Plate Hex Head Bolt	R-4	2	200989	\$3.00	200989	\$3.00	200721	\$3.00
Seal Plate Hex Nut	R-4	2	200956	\$3.00	200956	\$3.00	200958	\$3.00
Seal Plate	R-5	1	596021	\$55.00	596022	\$70.00	529664	\$90.00
Stem Seal	R-6	3	210502	\$7.00	210504	\$7.00	210506	\$7.00
Seal Plate O-Ring	R-7	1	210016	\$7.00	210016	\$7.00	210017	\$7.00
Thrust Washer	R-8	2	210936	\$3.00	210937	\$3.00	210938	\$4.00
Stem O.L.	R-9	1	498704	\$382.00	498706	\$515.00	498708	\$734.00
Cap Hex Head Bolts	R-10	Varies	200739	\$3.00	200739	\$3.00	200990	\$3.00
Cap Hex Nuts	R-10	Varies	200956	\$3.00	200956	\$3.00	200956	\$3.00
Cap	R-11	1	596601	\$401.00	596602	\$453.00	596603	\$797.00
Stem Nut O.L.	R-12	1	498718	\$124.00	498720	\$143.00	498722	\$181.00
Wedge	R-13	1	596001	\$429.00	596002	\$646.00	596003	\$983.00
Cap O-Ring	R-14	1	210032	\$19.00	210033	\$22.00	210034	\$32.00
M.J. Body	R-15	1	596641	\$1,193.00	596642	\$1,565.00	596643	\$2,595.00
F.E. Body	R-15	1	596621	\$1,193.00	596622	\$1,565.00	596623	\$2,595.00
Handwheel O.L.		1	226385L	\$149.00	226387L	\$236.00	226389L	\$299.00

Open right - same price - part number not shown.

Order by item number shown and description but specify open right.

NOTE: Use same parts prices for RSGV tapping valves.

N.R.S.

**M&H A.W.W.A. BUTTERFLY VALVES  
WITH UNDERGROUND ACTUATORS**  
Style 4500 4" - 24"    Style 1450 30" - 48"  
(SIZED FOR AWWA CLASS 150B TABLE I TORQUES)

SIZE	STYLE 4500-02		*MECHANICAL JOINT		STYLE 4500-05		NUMBER OF TURNS
	FLANGED	Weight	W/ Acc.	Weight	WAFER	Weight	
4"	\$1,105.00	75	\$1,351.00	100	\$1,314.00	55	16 1/2
6"	\$1,138.00	95	\$1,440.00	135	\$1,347.00	65	16 1/2
8"	\$1,458.00	140	\$1,796.00	185	\$1,667.00	80	24
10"	\$2,010.00	232	\$2,442.00	285	\$2,219.00	145	36
12"	\$2,408.00	300	\$3,150.00	335	\$2,617.00	180	36
14"	\$3,940.00	485	\$5,432.00	580	\$4,149.00	380	48
16"	\$4,688.00	570	\$6,260.00	670	\$4,897.00	440	48
18"	\$5,265.00	735	\$8,409.00	920	\$5,474.00	570	48
20"	\$7,085.00	860	\$10,379.00	1,065	\$7,294.00	650	48
24"	\$9,835.00	1,165	\$13,303.00	1,475	\$10,044.00	-	72

- 30" -48" (Style 1450) P.O.A.
- CLASS 250 VALVES, MJ AND FLANGE AVAILABLE - POA
- MJ VALVES LESS ACC. USE FLG. PRICE

SIZE	STYLE 4500-13 FLANGED X MECH. JT.	
	W/ ACC	Weight (LBS.)
4"	-	-
6"	\$1,345.00	120
8"	\$1,699.00	160
10"	-	-
12"	\$2,900.00	315
14"	-	-
16"	\$5,708.00	645



**M&H A.W.W.A. BUTTERFLY VALVES  
WITH ABOVE GROUND ACTUATORS**  
Style 4500 4" - 24"    Style 1450 30" - 48"  
(Handwheel Actuators sized for AWWA Class 150B Table I Torques)

SIZE	HANDWHEEL		*HANDLEVER		NUMBER OF TURNS
	STYLE 4500-02 FLANGED	STYLE 4500-05 WAFER	STYLE 4500-02 FLANGED	STYLE 4500-05 WAFER	
4"	\$1,314.00	\$1,314.00	\$1,314.00	\$1,314.00	16 1/2
6"	\$1,347.00	\$1,347.00	\$1,347.00	\$1,347.00	16 1/2
8"	\$1,667.00	\$1,667.00	\$1,667.00	\$1,667.00	24
10"	\$2,219.00	\$2,219.00	-	-	36
12"	\$2,617.00	\$2,617.00	-	-	36
14"	\$4,149.00	\$4,149.00	-	-	48
16"	\$4,897.00	\$4,897.00	-	-	48
18"	\$5,474.00	\$5,474.00	-	-	48
20"	\$7,294.00	\$7,294.00	-	-	48
24"	\$10,044.00	-	-	-	72

- 30" - 48" (Style 1450) P.O.A.                      \*1/4 Turn for Handlever Butterfly Valves

**BUTTERFLY VALVE PRICE LIST - "4500" - ROUND SHAFT****4" - 12"**

DESCRIPTION	4"		6"		8"			
	ITEM #	PART #	LIST SELL PRICE EA.	PART #	LIST SELL PRICE EA.	PART #	LIST SELL PRICE EA.	
Body, Flanged	1	1	347001	\$906.00	347051	\$1,020.00	347101	\$1,483.00
Body, MJ	1	1	347002	\$931.00	347052	\$1,117.00	347102	\$1,624.00
Thrust Disc	14	1	211310	\$25.00	211311	\$25.00	211312	\$25.00
O-Ring Body	6	1	211420	\$28.00	210512	\$28.00	210574	\$28.00
Flat Hd. Hex Socket Screw	10	1	200324	\$5.00	200328	\$5.00	200328	\$5.00
Cartridge Seal	13	1	211440	\$28.00	211441	\$28.00	211442	\$28.00
Bearing, Body	7	2	211420	\$25.00	211421	\$25.00	211422	\$25.00
Vane	2	1	337001	\$285.00	337051	\$302.00	337101	\$421.00
End Cover	3	1	322161	\$35.00	322161	\$35.00	322162	\$40.00
Ring, Seat	4	1	335001	\$159.00	335002	\$164.00	335003	\$317.00
O-Ring Cartridge I.D.	15	1	210514	\$3.00	210502	\$3.00	210504	\$3.00
O-Ring Cartridge O.D.	16	1	210501	\$3.00	210506	\$3.00	210507	\$3.00
Stud - 2 Req.	8	2	200424	\$20.00	200424	\$199.00	200424	\$20.00
Nut, Hex - 2 Req.	9	2	200102	\$3.00	200102	\$3.00	200102	\$3.00
Shaft	5	1	336001	\$45.00	336101	\$80.00	336201	\$107.00
Capscrew, Hex - See Below*	11	Varies	200258	\$3.00	200258	\$3.00	200258	\$3.00
Capscrew, Hex - 2 Req.				\$0.00		\$0.00		\$0.00
thru 20" / 4 Req. thru 24"			200450	\$3.00	200450	\$3.00	200450	\$3.00
Grooved Pin	17	1	210970	\$3.00	210971	\$3.00	210972	\$3.00
O-Rin, Grooved Pin	18	2	210589	\$3.00	210589	\$3.00	210980	\$3.00

DESCRIPTION	10"		12"			
	ITEM #	PART #	LIST SELL PRICE EA.	PART #	LIST SELL PRICE EA.	
Body, Flanged	1	1	347151	\$2,265.00	347201	\$2,560.00
Body, MJ	1	1	347152	\$2,275.00	347202	\$2,803.00
Thrust Disc	14	1	211313	\$25.00	211313	\$25.00
O-Ring Body	6	1	210542	\$30.00	210542	\$30.00
Flat Hd. Hex Socket Screw	10	1	200328	\$5.00	200328	\$5.00
Cartridge Seal	13	1	211443	\$28.00	211443	\$30.00
Bearing, Body	7	2	211423	\$25.00	211424	\$28.00
Vane	2	1	300154	\$622.00	300155	\$815.00
End Cover	3	1	322163	\$55.00	322163	\$55.00
Ring, Seat	4	1	335004	\$364.00	335005	\$523.00
O-Ring Cartridge I.D.	15	1	210537	\$3.00	210537	\$3.00
O-Ring Cartridge O.D.	16	1	210574	\$3.00	210574	\$5.00
Stud - 2 Req.	8	2	200426	\$25.00	200426	\$25.00
Nut, Hex - 2 Req.	9	2	200104	\$7.50	200104	\$8.00
Shaft		1	336301	\$223.00	N.R.S.	\$260.00
Capscrew, Hex - See Below*	11	Varies	200258	\$3.00	200258	\$3.00
Capscrew, Hex - 2 Req.						
thru 20" / 4 Req. thru 24"			200451	\$10.00	200451	\$10.00
Grooved Pin	17	1	210973	\$3.00	210973	\$3.00
O-Rin, Grooved Pin	18	2	210624	\$3.00	210624	\$3.00

\*Valve Size 4" 6" 8" 10" 12" 14" 16" 18" 20" 24"

No. Req. 6 8 12 14 16 12 14 16 18 22



### BUTTERFLY VALVE PRICE LIST ACTUATOR PARTS

VALVE SIZE	4", 6"	8"	10", 12"	14", 16"	18" - 24"
MODEL	65, 150	250	510	1250	2200
Price Each	\$29.00	\$29.00	\$29.00	\$29.00	\$29.00
Wrench Nut, Open Left	226374L	226374L	226374L	226376L	226376L
Price Each	\$29.00	\$29.00	\$29.00	\$29.00	\$29.00
Wrench Nut, Open Right	226375L	226375L	226375L	226377L	226377L

#### CRANK OR HANDWHEEL KIT

Includes above parts plus additional O-Ring seal for indicator pin. Crank and handwheel

VALVE SIZE	4", 6"	8"	10", 12"	14", 16"	18" - 24"
Price Each Kit	\$30.00	\$30.00	\$30.00	\$75.00	\$75.00
Kit Part Number	361970	361970	361970	361971	361971
Price Each	\$90.00	\$90.00	\$90.00	\$166.00	\$166.00
Crank Only Part Number	300284	300284	300284	300285	300285
Price Each	\$111.00	\$237.00	\$237.00	\$300.00	\$300.00
Handwheel Only PN	300306L	226387L	226387L	226389L	226389L

#### CYLINDER KIT

Includes Molythane Poly-pak rod seal, O-Ring seals for piston valves, cartridge and indicator pin Buna-N piston cup (metal reinforced), epoxy tubing with molybdenum disulfide liner priced separately below.

VALVE SIZE	4", 6"	8"	10", 12"	14", 16"	18" - 24"
Price Each Kit	\$112.00	\$112.00	\$113.00	\$201.00	\$201.00
Kit Part Number	361951	361951	361951	361952	361952
Price Each	\$241.00	\$241.00	\$312.00	\$770.00	\$770.00
Piston Cup Part Number	223017	223017	223018	223019	223019
Price Each	\$221.00	\$290.00	\$382.00	\$795.00	\$1,052.00
Barrel Part Number	209007	209008	209009	209010	209011

All model actuators do not use formed gasket or shaft shield.  
(Locally purchased Permatex Form-A-Gasket No. 2 or equal is recommended for gasketing.)

**ACCESSORIES**

**CHAINWHEELS**

Add For  
Electro-Zinc Plated  
Chain/Foot

Add to price of Butterfly Valve with Handwheel Actuator.

4" - 12" - With 14" Handwheel . . . . .	\$628.00	\$7.00
14" - 24" - With 18" Handwheel . . . . .	\$824.00	\$9.00

**CYLINDER ACTUATORS                      ELECTRIC MOTOR ACTUATOR**

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>- Available all sizes</li> <li>- Provide detailed specifications - P.O.A.</li> </ul> | <ul style="list-style-type: none"> <li>- Available all sizes</li> <li>- Provide detailed specifications - P.O.A.</li> <li>- See catalog for required data in regards to Electric Motor details for quotations</li> </ul> |
|---|--|

**HYDROSTATIC TEST PRESSURE              WORKING PRESSURE**

4" Through 12" Sizes - 400 psi	4" Through 12" Sizes - 200 psi
14" Through 24" Sizes - 300 psi	14" Through 24" Sizes - 150 psi

**HOW TO ORDER**

When ordering, please give the following information:

1. Quantity and Style
2. Size
3. End Connection
4. Type of Actuator
5. Open "Right" or "Left" (Underground Actuators Only)
6. Pressure Rating, Velocity (FPS) and Temperature Rating
7. Service Conditions
8. Accessories Required



**M&H A.W.W.A. C500 GATE VALVES**  
**Iron Body, Bronze Mounted, Double Disc, Parallel Seat - Bottom Wedge Type**

Sizes 2" - 12", 200# WWP, 400# Test  
 Sizes 14" - 48", 150# WWP, 300# Test

Size	67-01		67-01 MJ		67-02		67-13		67-13	
	MJ W/ACC	Weight	LESS ACC	Weight	FLANGED**	Weight	FLG X MJ WITH ACC	Weight	FLG X MJ LESS ACC	
3"	\$ 1,306.00	64#	\$ 1,250.00	52#	\$ 1,238.00	59#	-	53#	-	
4"	\$ 1,494.00	106#	\$ 1,398.00	90#	\$ 1,384.00	90#	\$ 1,422.00	92#	\$ 1,334.00	84#
6"	\$ 1,934.00	176#	\$ 1,782.00	154#	\$ 1,850.00	150#	\$ 1,866.00	145#	\$ 1,782.00	134#
8"	\$ 3,006.00	266#	\$ 2,838.00	238#	\$ 2,890.00	243#	\$ 2,906.00	244#	\$ 2,784.00	230#
10"	\$ 4,672.00	415#	\$ 4,424.00	375#	\$ 4,594.00	405#	\$ 4,570.00	393#	\$ 4,424.00	373#
12"	\$ 5,906.00	522#	\$ 5,596.00	480#	\$ 5,546.00	535#	\$ 5,652.00	546#	\$ 5,340.00	525#
14"	\$ 12,642.00	863#	\$ 11,769.00	765#	\$ 11,770.00	876#	\$ 14,908.00	802#	\$ 11,768.00	753#
16"	\$ 16,622.00	1237#	\$ 15,727.00	1119#	\$ 15,727.00	1130#	\$ 16,172.00	1158#	\$ 15,726.00	1099#
18"	\$ 27,341.00	1494#	\$ 25,743.00	1360#	\$ 25,743.00	1460#	\$ 26,538.00	1410#	\$ 25,740.00	1343#
20"	\$ 32,647.00	1988#	\$ 30,918.00	1830#	\$ 30,918.00	1980#	\$ 31,764.00	1980#	\$ 30,912.00	1901#
24"	\$ 46,600.00	2646#	\$ 43,961.00	2430#	\$ 43,961.00	2730#	\$ 45,272.00	2880#	\$ 43,952.00	2772#
30"	\$ 95,301.00	5023#	\$ 90,384.00	4725#	\$ 90,384.00	4784#	\$ 93,704.00	4754#	\$ 89,597.00	4605#
36"	\$ 121,918.00	8246#	\$ 114,941.00	7800#	\$ 114,941.00	7560#	\$ 115,943.00	7440#	\$ 110,716.00	7217#

42" & 48" P.O.A. and are available in MJ, FLG, & FLG x MJ.

Size	751-01		751-01		68-02	
	Tap Vlv. W/ Acc.	Weight	Tap Vlv. L/Acc.	Weight	OS&Y Flanged**	Weight
3"	\$ 1,736.00	59#	\$ 1,594.00	53#		
4"	\$ 1,866.00	101#	\$ 1,762.00	93#		
6"	\$ 2,584.00	175#	\$ 2,488.00	164#		
8"	\$ 3,832.00	270#	\$ 3,692.00	256#		
10"	\$ 5,738.00	426#	\$ 5,568.00	406#		
12"	\$ 8,770.00	563#	\$ 8,410.00	542#		
14"	\$ 14,717.00	904#	\$ 13,382.00	855#	\$ 19,005.00	1075#
16"	\$ 18,849.00	1217#	\$ 18,354.00	1158#	\$ 20,674.00	1380#
18"	\$ 31,278.00	1437#	\$ 30,394.00	1370#	\$ 29,956.00	1560#
20"	\$ 37,349.00	2063#	\$ 36,392.00	1984#	\$ 37,604.00	2180#
24"	\$ 51,259.00	2838#	\$ 49,798.00	2730#	\$ 51,962.00	2835#
30"					\$ 119,796.00	8000#
36"					\$ 153,864.00	9000#

\*\*Does not include bolts, nuts and gaskets for flange side.

Bypass recommended on 14" and larger. Bypass mandatory on 30" and larger.

Special coatings other than standard \$36.00/coat/inch for inside or outside

Mitre Boxes POA

Rollers, Tracks, and Scrapers included with bevel gearing

**M&H 250 PSI WATER SERVICE GATE VALVES****Iron Body, Bronze Mounted, Double Disc, Parallel Seat**

250 PSI WWP / 500 POUNDS HYDROSTATIC TEST

NON-RISING STEM (NRS)		OUTSIDE SCREW AND YOKE (OS&Y)	
SIZE	STYLE 871-02 FLANGED	SIZE	STYLE 881-02 FLANGED
4"	\$ 3,244.00	14"	\$ 25,058.00
6"	\$ 3,604.00	16"	\$ 30,918.00
8"	\$ 4,804.00	18"	\$ 42,264.00
10"	\$ 7,806.00	20"	\$ 54,584.00
12"	\$ 11,478.00	24"	\$ 80,874.00
14"	\$ 18,204.00	30"	\$ 118,758.00
16"	\$ 26,206.00		
18"	\$ 36,088.00		
20"	\$ 40,782.00		
24"	\$ 67,338.00		
30"	\$ 117,852.00		

Gears &amp; by-pass recommended on 14" and larger. See Page 21 for Pricing

**M&H DOUBLE DISC GATE VALVE ACCESSORIES**

VALVE SIZE	ENCLOSED BEVEL GEARS N.R.S.	ENCLOSED SPUR GEARS N.R.S.
14"-16"	\$8,480.00	\$6,628.00
18"	\$10,058.00	\$7,623.00
20"	\$10,441.00	\$7,623.00
24"	\$12,319.00	\$8,897.00
30"	\$16,704.00	\$11,646.00
36"	\$23,762.00	\$17,580.00
42"	P.O.A.	P.O.A.
48"	P.O.A.	P.O.A.

Cut Tooth Steel Gears - All Gears are Extended Type - No Integral Gears

Bevel gearing adder includes rollers, tracks, and scrapers.

VALVE SIZE	BYPASS SIZE	AWWA VALVES
14"	2"	\$4,970.00
16"	3"	\$4,970.00
18"	3"	\$5,715.00
20"	3"	\$5,715.00
24"	4"	\$7,617.00
30"	4"	\$8,463.00
36"	6"	\$11,492.00

- (1) By-pass valve not required on 14"-24" R/W valves.
- (2) Rollers, Tracks and Scrapers are not required for vertical installations.
- (3) Center slides for valves in a vertical line are no longer available.
- (4) 316 Nuts and Bolts Adder - POA

**CHAINWHEELS**

GATE VALVE SIZE	GEARED GATE VALVE SIZE	PRICE OF CHAINWHEEL	PRICE OF CHAIN/FOOT
3"	-	\$120.02	\$4.93
4" - 6"	-	\$184.20	\$4.93
8"	-	\$219.10	\$4.93
10" - 12"	14" - 16"	\$308.62	\$4.93
14" - 16"	-	\$410.78	\$4.93
18" - 20"	18" - 20"	\$568.70	\$4.93
24" - 48"	24" - 48"	\$701.47	\$4.93

**M&H AWWA C508 CHECK VALVES**  
**Iron Body, Bronze Mounted, Rubber Faced**

SIZE	STYLE 59-02		STYLE 159-02		STYLE 259-02	
	FLANGED	WEIGHT	FLANGED	W/ LEVER & WGT.	FLANGED	W/ LEVER & SPG.
2"	\$ 1,090.00	35#	\$ 1,916.00	\$ 1,916.00	\$ 1,916.00	39#
2 1/2"	\$ 1,376.00	50#	\$ 2,024.00	\$ 2,024.00	\$ 2,024.00	54#
3"	\$ 1,376.00	61#	\$ 2,199.00	\$ 2,199.00	\$ 2,199.00	65#
4"	\$ 1,700.00	119#	\$ 2,590.00	\$ 2,590.00	\$ 2,590.00	128#
6"	\$ 2,553.00	190#	\$ 3,484.00	\$ 3,484.00	\$ 3,484.00	201#
8"	\$ 3,737.00	347#	\$ 5,280.00	\$ 5,280.00	\$ 5,280.00	370#
10"	\$ 6,706.00	566#	\$ 8,473.00	\$ 8,473.00	\$ 8,473.00	600#
12"	\$ 10,497.00	774#	\$ 12,184.00	\$ 12,184.00	\$ 12,184.00	812#
14"	\$ 14,845.00	1080#	\$ 16,863.00	\$ 16,863.00	\$ 16,863.00	1150#
16"	\$ 20,120.00	1460#	\$ 22,015.00	\$ 22,015.00	\$ 22,015.00	1695#
18"	\$ 29,799.00	1775#	\$ 31,092.00	\$ 31,092.00	\$ 31,092.00	1835#
20"	\$ 34,768.00	2400#	\$ 36,657.00	\$ 36,657.00	\$ 36,657.00	2500#
24"	\$ 49,595.00	3450#	\$ 50,889.00	\$ 50,889.00	\$ 50,889.00	3555#
30"	N/A		POA	POA	POA	

AWWA Cushion Check Valves Style 206 & 206A			
Size	Price	Weight 206	Weight 206A
3"	\$ 5,065.00	90#	92#
4"	\$ 5,841.00	15#	157#
6"	\$ 6,551.00	226#	226#
8"	\$ 8,441.00	402#	402#
10"	\$ 12,291.00	613#	625#
12"	\$ 17,795.00	865#	876#

\* Must denote horizontal or vertical application at time of order

**Rubber faced clappers 2 1/2" - 30" standard.**  
**2" available with bronze or rubber faced**  
**Double Lever & Weight or Lever & Spring - POA.**  
**Epoxy Coating - I.D. or O.D. standard on 2" - 30"**  
**List Adder for 1/2" IPT Cover Plate Tap - \$97.02**  
**List Adder for Alemite Fittings... each - \$94.84**  
**Net Adder for Allen Bradley 3"-12" \$577.50**  
**Limit Switch 14"-24" \$1,386.00**

INCREASING TYPE CHECK VALVES - FLANGED ONLY			
SIZE	STYLE 3059-02	STYLE 3159-02	STYLE 3259-02
		LEVER & WEIGHT	LEVER & SPRING
4" x 6"	\$ 2,659.00	\$ 3,712.00	\$ 3,712.00
4" x 8"	\$ 2,714.00	\$ 3,737.00	\$ 3,737.00
6" x 8"	\$ 3,460.00	\$ 4,881.00	\$ 4,881.00
6" x 10"	\$ 3,551.00	\$ 4,975.00	\$ 4,975.00
8" x 10"	\$ 7,413.00	\$ 9,451.00	\$ 9,451.00
8" x 12"	\$ 7,861.00	\$ 9,891.00	\$ 9,891.00
10" x 12"	\$ 10,180.00	\$ 12,880.00	\$ 12,880.00

ADDERS FOR IPT TAPS		
VALVE SIZE	MAXIMUM TAP SIZE	BODY TAP
2 1/2"	3/4"	\$ 90.00
3"	3/4"	\$ 90.00
4"	1"	\$ 90.00
6"	1 1/4"	\$ 98.00
8"	2"	\$ 108.00
10"	2"	\$ 108.00
12"	2"	\$ 108.00

Identify Boss for Tap Location when ordering

KenFlex Style 506 Check Valve		
Resilient Seated Check Valve, 125# Flanges		
250 psi working pressure, 500 psi shell test		
Size	Style 506	316 Bolts Adder
4"	\$595.00	\$41.00
6"	\$942.00	\$85.00
8"	\$1,504.00	\$100.00
10"	\$2,696.00	\$116.00
12"	\$4,096.00	\$140.00

**- Position Indicator - P.O.A.**  
**- Backflush Actuator - P.O.A.**  
**- Standard Coating is Fusion Bonded Epoxy ID and OD**

**M&H PARTS PRICE LIST**  
**KENNEDY CHECK VALVE PARTS**  
**2" - 4"**

DESCRIPTION	ITEM NO	2"		2 1/2"		3"		4"	
		PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #
Side Plug (2 in 106's, 1 in LS/LW)	1A	\$43.00	3160885	\$43.00	3160885	\$43.00	3160885	\$53.00	3160905
Side Plug O-Rings	1AB	\$4.00	442731P	\$4.00	442731P	\$4.00	442731P	\$4.00	477531P
Cap Bolts (price each)	2A	\$11.00	460228P	\$11.00	460228P	\$11.00	460231P	\$14.00	444430P
Cap O-Ring	3A	\$15.00	442790P	\$15.00	442790P	\$18.00	442790P	\$18.00	442611P
Cap	4A	\$112.00	3103330	\$112.00	3103330	\$120.00	3103330	\$193.00	3103340
Body with Seat Ring	5A & 15A	\$450.00	3101042	\$536.00	3101052	\$694.00	3101062	\$1,052.00	3101082
Hinge Pin (Plain)	6A	\$48.00	445100P	\$48.00	445101P	\$57.00	445102P	\$75.00	445103P
Hinge (Plain)	7AA	\$86.00	3164202	\$108.00	3163522	\$126.00	3164222	\$163.00	3163555
Hinge w/ Keyway for LS/LW	*7AB	\$108.00	3164203	\$123.00	3163523	\$143.00	3164223	\$183.00	3163558
Disc Bolt (Rubber Faced)	8AA	\$0.00		\$0.00		\$0.00		\$56.00	3154633
Disc Bolt (Bronze Faced)	8AB	\$0.00		\$0.00		\$0.00		\$47.00	440230P
Disc Bolt O-Ring (Rubber Faced)	9AA	\$0.00		\$0.00		\$0.00		\$7.00	442634P
Disc Bolt Gasket (Bronze Faced)	9AB	\$0.00		\$0.00		\$0.00		\$7.00	441865P
Disc Holder	10A	\$90.00	3120602	\$100.00	3120432	\$139.00	3118382	\$143.00	3115964
Disc Plate	11A	\$44.00	3157222	\$65.00	3157232	\$69.00	3157092	\$88.00	3157022
Disc (Rubber Faced)	12AA	\$35.00	440890P	\$35.00	440891P	\$45.00	440879P	\$95.00	440881P
Disc (Bronze Faced)	12AB	\$85.00	3120422	\$85.00	3121022	\$141.00	3120442	\$235.00	2115793
Disc Nut (Rubber Faced)	13A	\$11.00	460365P	\$11.00	460209P	\$11.00	460209P	\$11.00	460209P
Disc Nut (Bronze Faced)	13A	\$0.00		\$0.00		\$0.00		\$13.00	2115793
Seat Ring	15A	\$45.00	3146891	\$59.00	3146631	\$72.00	3146641	\$84.00	3145574
Spring	16A	\$20.00	444613P	\$20.00	444613P	\$20.00	444613P	\$34.00	444619P
Extended Hinge Pin for LS/LW	*17A	\$195.00	3226472	\$195.00	3226482	\$219.00	3168232	\$375.00	3167942
Key for LS/LW	18A	\$7.00	3169592	\$7.00	3169592	\$7.00	3169592	\$9.00	3169602
Set Screw for Weight	19A	\$11.00	444024P	\$11.00	444024P	\$11.00	444024P	\$11.00	444024P
Lever Arm for L/S	20AA	\$72.00	315387A	\$72.00	315387A	\$72.00	315388A	\$101.00	315389A
Lever Arm for L/W	20AB	\$72.00	315387A	\$72.00	315387A	\$72.00	315388A	\$101.00	315389B
Bracket	21A	\$46.00	3366052	\$46.00	3366052	\$46.00	3366052	\$63.00	3366062
Hex Head Bracket Bolt	22A	\$5.00	444389P	\$5.00	444389P	\$5.00	444389P	\$5.00	444402P
Eye Bolt (w/ 2 Hex Nuts)	23A	\$49.00	440238P	\$49.00	440238P	\$49.00	440238P	\$49.00	440236P
(Eye Bolt) w/ 2 Hex Nuts	23A	\$0.00	442410P	\$0.00	442410P	\$0.00	442410P	\$0.00	442412P
Stuffing Box	24A	\$118.00	3140732	\$118.00	3140732	\$118.00	3140732	\$149.00	3140742
Packing	25A	\$22.00	452750L	\$22.00	452750L	\$22.00	452750L	\$29.00	452768L
Gland	26A	\$53.00	3141572	\$53.00	3141572	\$53.00	3141572	\$53.00	3141592
Weight	27A	\$89.00	3163053	\$89.00	3163053	\$138.00	3163053	\$154.00	3163053
Set Screw for Lever	28A	\$11.00	443928P	\$11.00	443928P	\$11.00	443928P	\$11.00	443986P

\* Not interchangeable with parts manufactured prior to 1978 - must order hinge & pin.

\*\* Price per pair or set (1 each of bolt & nut)

Above part codes for current production only. Please specify year of manufacture when ordering.

**KENNEDY CHECK VALVE PARTS**  
**6" - 12"**

DESCRIPTION	ITEM NO	6"		8"		10"		12"	
		PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #
Side Plug (2 in 106's, 1 in L	1A	\$72.00	3160955	\$99.00	3160685	\$136.00	3160765	\$136.00	3160765
Side Plug O-Rings	1AB	\$4.00	442642P	\$4.00	442727P	\$4.00	442659P	\$4.00	442659P
Cap Bolts (price each)	2A	\$15.00	460236P	\$16.00	460247P	\$16.00	460247P	\$20.00	460247P
Cap O-Ring	3A	\$23.00	442794P	\$27.00	442768P	\$40.00	442769P	\$48.00	442770P
Cap	4A	\$325.00	3103360	\$409.00	3103380	\$630.00	3103400	\$746.00	3103420
Body with Seat Ring	5A & 15A	\$1,730.00	3101122	\$2,702.00	3101162	\$4,562.00	3101202	\$6,251.00	3101242
Hinge Pin (Plain)	6A	\$119.00	445105P	\$159.00	445106P	\$222.00	3167772	\$320.00	445108P
Hinge (Plain)	7AA	\$226.00	3163575	\$280.00	3163585	\$452.00	3163695	\$586.00	3163705
Hinge w/ Keyway for LS/L'	*7AB	\$246.00	3163578	\$336.00	3163588	\$574.00	3163698	\$623.00	3163708
Disc Bolt (Rubber Faced)	8AA	\$149.00	3154593	\$176.00	3154603	\$185.00	3152863	\$225.00	3152873
Disc Bolt (Bronze Faced)	8AB	\$56.00	440232P	\$65.00	440234P	\$108.00	3152862	\$161.00	3152872
Disc Bolt O-Ring (Rubber F	9AA	\$7.00	442636P	\$7.00	442636P	\$7.00	442638P	\$7.00	442640P
Disc Bolt Gasket (Bronze F	9AB	\$7.00	441867P	\$7.00	441867P	**		**	
Disc Holder	10A	\$315.00	3115984	\$472.00	3116074	\$590.00	3116094	\$782.00	3120554
Disc Plate	11A	\$178.00	3157032	\$288.00	3157042	\$389.00	3157052	\$432.00	3157062
Disc (Rubber Faced)	12AA	\$148.00	440885P	\$192.00	440887P	\$228.00	440898P	\$263.00	440899P
Disc (Bronze Faced)	12AB	\$280.00	2115813	\$330.00	2115823	\$525.00	2116093	\$812.00	2120553
Disc Nut (Bronze Faced)	13A	\$16.00	460211P	\$16.00	460211P	\$19.00	460211P	\$22.00	460234P
Disc Nut (Rubber Faced)	13AB	\$18.00	460210P	\$18.00	460210P	\$20.00	460211P	\$30.00	460234P
Seat Ring	15A	\$106.00	3145584	\$185.00	3145594	\$253.00	3146694	\$304.00	3146704
Seat Ring O-Ring	15AA	\$23.00	442658P	\$27.00	442716P	\$40.00	442677P	\$48.00	442679P
Spring	16A	\$53.00	444621P	\$53.00	444620P	\$174.00	444622P	\$174.00	444622P
Extended Hinge Pin for LS/	*17A	\$531.00	3167892	\$643.00	3167902	\$817.00	3226502	\$1,125.00	3167882
Key for LS/LW	18A	\$9.00	3169602	\$9.00	3169602	\$12.00	3169622	\$12.00	3169622
Set Screw for Weight	19A	\$11.00	444024P	\$11.00	444024P	\$11.00	444024P	\$11.00	444024P
Lever Arm for L/S	20AA	\$118.00	315391A	\$134.00	315392A	\$145.00	3153936A	\$161.00	315394A
Lever Arm for L/W	20AB	\$118.00	315391B	\$134.00	315392B	\$145.00	315393A	\$161.00	315393A
Bracket	21A	\$78.00	3366072	\$92.00	3366082	\$92.00	3366092	\$98.00	3366102
Hex Head Bracket Bolt	22A	\$5.00	444410P	\$5.00	444410P	\$5.00	444349P	\$5.00	444349P
Eye Bolt (w/ 2 Hex Nuts)	23A	\$49.00	440236P	\$49.00	440236P	\$49.00	440236P	\$49.00	440236P
(Eye Bolt) w/ 2 Hex Nuts	23A	**	442412P	**	442412P	**	442412P	**	442412P
Stuffing Box	24A	\$166.00	3140752	\$183.00	3140762	\$225.00	3140772	\$225.00	3140772
Packing	25A	\$34.00	452764L	\$39.00	452750L	\$43.00	452768L	\$43.00	452768L
Gland	26A	\$67.00	3141612	\$74.00	3141622	\$82.00	3141632	\$82.00	3141632
Weight	27A	\$154.00	3163053	\$162.00	3163083	\$228.00	3163093	\$296.00	3163103
Set Screw for Lever	28A	\$11.00	443986P	\$11.00	443986P	\$11.00	443986P	\$11.00	443986P

\* Not interchangeable with parts manufactured prior to 1978 - must order hinge & pin.

\*\* Price per pair or set (1 each of bolt & nut)

Above part codes for current production only. Please specify year of manufacture when ordering.

**M & H VALVE CHECK VALVE PARTS**

DESCRIPTION	BALLOONQTY		14"		16"		18"	
	#	REQ	PART #	PRICE EACH	PART #	PRICE EACH	PART #	PRICE EACH
BODY	1	1	514115	\$6,341.00	516115	\$9,044.00	518115	\$13,947.00
COVER	2	1	431592	\$2,121.00	431662	\$1,710.00	431662	\$2,547.00
BODY RING	3	1	414101	\$728.00	416101	\$901.00	418101	\$1,395.00
CLAPPER	4	1	431593	\$1,172.00	431663	\$1,363.00	431739	\$2,090.00
CLAP ARM W/HINGE PIN LEVER	5/8	1	599981	\$2,218.00	599982	\$2,913.00	599983	\$5,188.00
CAP PLATE CAPSCREW L/WASHI	6	*	see note #1	**	201778	\$3.00	201778	\$4.00
CAP PLATE CAPSCREW	7	*	see note #1	**	201077	\$5.00	201077	\$7.00
GLAND	9	2	432685	\$191.00	432686	\$139.00	520107	\$253.00
BRONZE BUSHING	9	2	414128	\$205.00	416128	\$141.00	420128	\$260.00
COVER BOLTS	10	**	200817	\$7.00	200843	\$7.00	200826	\$11.00
COVER NUTS	10	**	200909	\$4.00	200910	\$3.00	200907	\$4.00
COVER GASKET	11	1	210386	\$28.00	210387	\$28.00	210387	\$42.00
CLAPPER RING (rubber)	12	1	210608	\$87.00	210609	\$70.00	210610	\$122.00
RING CLAMP	13	1	414111	\$971.00	416111	\$670.00	418111	\$1,092.00
RING CLAMP CAPSCREW	14	***	see note #1	**	201077	\$5.00	201077	\$7.00
WEIGHT LEVER ARM	15	1	514499	\$1,619.00	516499	\$1,144.00	520499	\$2,962.00
WEIGHT	16	1	431664	\$503.00	431664	\$335.00	420113	\$721.00
SPRING LEVER ARM	17	1	514500	\$1,619.00	516500	\$1,144.00	520500	\$2,963.00
SPRING	18	1	220797	\$191.00	220798	\$128.00	220798	\$191.00
SPRING BRACKET	19	1	226075	\$52.00	226077	\$81.00	226078	\$122.00
SPRING EYEBOLT	20	1	201269	\$18.00	201270	\$28.00	201270	\$42.00
CAP PLATE	21	1	see note #1	**	416130	\$186.00	499989	\$278.00
SPRING BRACKET CAPSCREW	22	2	200206	\$4.00	200277	\$3.00	200213	\$4.00
LOCK WIRE	23	1	see note #1	**	121019	\$3.00	121019	\$4.00
PACKING (per ft.)		****	210481	\$7.00	210480	\$5.00	210480	\$7.00
CLAPPER ASSM W/HINGE PIN (LEV)	1		514112	\$4,297.00	516112	\$5,692.00	518112	\$9,183.00

	14"	16"	18"
* NUMBER REQUIRED	----	3	4
** NUMBER REQUIRED	16	20	20
*** NUMBER REQUIRED	----	4	6
**** FEET REQUIRED (BOTH SID	5	7	7

Note #1 - Items 6,7,14,21 & 23 Not Required  
 (1) 200683 - clapper stud = \$38.00  
 (1) 414110 - clapper nut = \$95.00  
 (1) 201404 - cotter pin = \$2.00

**M & H VALVE CHECK VALVE PARTS**

DESCRIPTION	20"				24"		30"	
	BALLOON #	QTY REQ	PART #	PRICE EACH	PART #	PRICE EACH	PART #	PRICE EACH
BODY	1	1	520115	\$13,539.00	524115	\$17,152.00	530115	\$22,350.00
COVER	2	1	431790	\$2,567.00	431892	\$4,356.00	432053	\$6,230.00
BODY RING	3	1	420101	\$1,065.00	424018	\$1,188.00	430018	\$1,721.00
CLAPPER	4	1	431791	\$2,327.00	431893	\$2,817.00	432054	\$5,099.00
CLAPPER ARM W/HINGE PIN LEVER	5/8	1	599984	\$5,785.00	599985	\$6,740.00	599986	\$7,876.00
CAP PLATE CAPSCREW LOCKWASHER	6	*	201778	\$3.00	201778	\$3.00	201778	\$3.00
CAP PLATE CAPSCREW	7	*	201077	\$5.00	201077	\$5.00	201077	\$5.00
GLAND	9	2	520107	\$181.00	524107	\$439.00	524107	\$439.00
BRONZE BUSHING	9	2	420128	\$186.00	424128	\$310.00	430128	\$545.00
COVER BOLTS	10	**	200834	\$13.00	200834	\$13.00	200835	\$13.00
COVER NUTS	10	**	200911	\$5.00	200911	\$5.00	200911	\$5.00
COVER GASKET	11	1	210388	\$38.00	210389	\$43.00	210390	\$48.00
CLAPPER RING (rubber)	12	1	210611	\$124.00	210612	\$154.00	210613	\$166.00
RING CLAMP	13	1	420111	\$1,020.00	424111	\$1,330.00	430111	\$2,339.00
RING CLAMP CAPSCREW	14	***	201077	\$5.00	201077	\$5.00	201077	\$5.00
WEIGHT LEVER ARM	15	1	520499	\$2,117.00	524499	\$2,406.00	524499	\$2,406.00
WEIGHT	16	1	431792	\$830.00	431894	\$1,292.00	432055	\$2,055.00
SPRING LEVER ARM	17	1	520500	\$2,117.00	524500	\$2,406.00	524500	\$2,406.00
SPRING	18	1	220798	\$137.00	220799	\$315.00	220799	\$315.00
SPRING BRACKET	19	1	226078	\$87.00	226079	\$112.00	226079	\$112.00
SPRING EYEBOLT	20	1	201270	\$30.00	201270	\$30.00	201270	\$30.00
CAP PLATE	21	1	499989	\$198.00	499989	\$198.00	499989	\$198.00
SPRING BRACKET CAPSCREW	22	VARIES	200213	\$3.00	200210	\$3.00	200210	\$3.00
LOCK WIRE	23	1	121019	\$3.00	121019	\$3.00	121019	\$3.00
PACKING (per ft.)		****	210480	\$5.00	210480	\$5.00	210480	\$5.00
CLAPPER ASSEMBLY W/HINGE PIN		1	520112	\$6,940.00	524112	\$8,638.00	530112	\$9,712.00

	20"	24"	30"
* NUMBER REQUIRED	4	4	4
** NUMBER REQUIRED	20	28	32
*** NUMBER REQUIRED	6	8	12
**** FEET REQUIRED (both sides)	7	10	11





## "1820" ECCENTRIC PLUG VALVES

SIZE	1820	WGHT. LBS.	1820	WGHT. LBS.	1820	WGHT. LBS.
	FLANGED NO OPERATOR*		MJ NO OPERATOR		GROOVED NO OPERATOR*	
3"	\$686.00	20#	\$753.00	21#	\$686.00	20#
4"	\$727.00	68#	\$794.00	60#	\$727.00	56#
6"	\$1,246.00	110#	\$1,341.00	108#	\$1,246.00	183#
8"	\$1,737.00	176#	\$1,872.00	263#	\$1,737.00	189#
**10"	\$2,570.00	310#	\$2,772.00	484#	\$2,570.00	435#
**12"	\$3,373.00	415#	\$3,649.00	597#	\$3,373.00	540#
**14"	\$4,947.00	735#	\$5,292.00	839#		
**16"	\$6,923.00	900#	\$7,407.00	1059#		
**18"	\$10,333.00	1150#	\$10,891.00	1277#		
**20"	\$14,956.00	1420#	\$15,651.00	1483#		
**24"	\$26,648.00	2100#	\$29,711.00	2410#		

\*Operating nut is furnished as standard, except on 3" flanged and grooved, which are furnished with lever as standard.  
Mechanical joint accessories included in mechanical joint prices.  
\*\*10" thru 24" must add price for actuator. Actuator recommended on 6" above 75 psi and 8" above 60 psi for 80 lb. maximum rim pull.

Wrench Heads - \$43.00 Each. 1" Schedule 40 Pipe to be used as a lever. Supplied by others.

### ECTION CHART FOR IN-PLANT VALVES

Differential Pressure Across Valve (PSI)

Size	0-25	26-50	51-75	76-100	101-125	126-150	151-175	Add to Valve Prices
4"	A110	A110	A110	A110	A110	A110	A110	A110 = \$817 A1024 = \$3313
6"	A110	A110	A110	A110	A110	A110	A110	A110 = 1KE/10" HDWL A1024 = 10KE2.5/24" HDWL
8"	A110	A110	A110	A110	A110	A110	A110	A118 = \$948 A1030 = \$4348
10"	A118	A118	A118	A118	A118	A118	A118	A118 = 1KE 18" HDWL A1030 + 10KE 2.5/30" HDWL
12"	A118	A118	A118	A118	A118	A118	A118	A924 = \$2337. A1624 = \$5035
14"	A924	A924	A924	A924	A924	A930	A118	A924 = 9KE/24" HDWL A1624 = 10KE 6/24" HDWL
16"	A1024	A1024	A1024	A1024	A1024	A1624	A118	A930 = 9KE/30" HDWL A1630 = 16KE/30" HDWL
18"	A1024	A1024	A1024	A1024	A1030	A1624	A118	
20"	A1024	A1024	A1024	A1030	A1624	A1624	A118	
24"	A1024	A1024	A1030	A1624	A1630	A1630	A118	

  

Chainwheels (Add to price of Actuator & Handwheel)	
Handwheel Size	List Price
10"	\$331.00
18"	\$553.00
24"	\$1,017.00
30"	\$1,255.00

Chain is \$6.00 per foot

### WORM GEAR ACTUATOR SELECTION CHART FOR UNDERGROUND VALVES

Differential Pressure Across Valve (PSI)

Size	0-25	26-50	51-75	76-100	101-125	126-150	151-175	Add to Valve Prices:
4"	U10N	U10N	U10N	U10N	U10N	U10N	U10N	U10N = \$872.00
6"	U10N	U10N	U10N	U10N	U10N	U10N	U10N	U10N = 1KE/Op Nut Buried Service
8"	U10N	U10N	U10N	U10N	U10N	U10N	U10N	U90N = \$2,676.00
10"	U10N	U10N	U10N	U10N	U10N	U10N	U10N	U90N = 9KE/Op nut Buried Service
12"	U10N	U10N	U10N	U10N	U10N	U10N	U10N	U100N = \$4,028.00
14"	U90N	U90N	U90N	U90N	U90N	U90N	U90N	U100N = 10KE2.5/Op Nut Buried Service
16"	U90N	U90N	U90N	U100N	U100N	U100N	U100N	U160N = \$9,747.00
18"	U100N	U100N	U100N	U100N	U100N	U100N	U100N	U160N = 16KE/Op Nut Buried Service
20"	U100N	U100N	U100N	U100N	U100N	U100N	U100N	
24"	U160N	U160N	U160N	U160N	N.R.S.	U160N	U160N	

- Note: It is important to use actual pressures when possible; undersizing is not recommended, oversizing is expensive.
- Note: In-Plant prices include indicator and handwheel.
- Note: Underground prices include op. nut and buried service cover.
- Note: All In-Plant actuators are sized for no more than 80 lbs. pull on the handwheel.
- Note: All Underground actuators are sized for input torque of no more than 150 ft-lbs. on the op. nut.
- Note: Price on application for valves requiring submerged service, special paint, or st. steel hardware.
- Note: Epoxy adder - \$26.21 list per inch.

**MUD VALVES (List Price)**  
(Iron Body Bronze Mounted)  
**FLANGED END ONLY**

Size	1040-02 Rising Stem	140-02 Non-Rising Stem
3"		645.75
4"	908.94	650.55
6"	983.91	722.10
8"	1,255.25	944.79
10"	2,032.65	1,488.06
12"	2,677.83	1,734.39
14"		3,502.50
16"	4,405.01	4,200.99
18"	5,238.98	4,734.54
20"		5,222.01
24"		6,652.74



**FLAP VALVES (List Price)**  
(Iron Body Bronze Mounted)

Size	47-02 FLANGED
4"	\$388.59
6"	\$473.39
8"	\$754.97
10"	\$1,024.56
12"	\$1,151.21
14"	\$2,539.95
16"	\$2,940.95
18"	\$3,697.04
20"	\$4,600.70
24"	\$6,003.33
30"	\$12,822.77



**Sluice Gates**

Size	List Price
4"	\$2,325.00
6"	\$2,625.00

**SHEAR GATES (List Price)**  
Iron Body Bronze Mounted

SIZE	44-02 FLANGED END
4"	\$569.37
6"	\$654.86
8"	\$866.06
10"	\$1,125.14
12"	\$1,435.55
14"	\$3,815.84
16"	\$4,005.71
18"	\$4,482.09
20"	\$6,241.34
24"	\$7,994.88
30"	\$10,523.36



Shear Gates supplied w/ Standard 2' Lift Handle and Catch  
Each Additional Foot \$5.75

**PRESSURE RELIEF VALVES**  
(List Price)

F1493		
215F202 4"-6" Floor Type Cast Iron Hydrostatic Pressure Relief Valves with Rubber Seats		
Size	4"	6"
8"	\$139.26	\$300.32

Additional Lengths are available - Call Factory for Price



- F1494** 2744-20 4" Wall Type Pressure Relief Valve w/ FE - \$225.54 (list)
- F1494** 2744-20 6" Wall Type Pressure Relief Valve w/ FE - \$336.36 (list)
- F1496** Wall Pipe 12" - \$124.53(list)

**FLOORSTANDS (List Price)**

Prices on indicating floorstands include steel stem extending 18 5/8" below base of the floorstand and one coupling.

<b>F5500</b> Standard pattern, non-rising stem, with handwheel	\$695.52
<b>F5505</b> Standard pattern, non-rising stem, indicating with handwheel	\$900.90

<b>F5695</b> Bushed Floorbox (Maximum Stem Diameter 2 1/4")	8"-12"	\$141.75
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**STEM GUIDES (List Price)**

#35

	Size #1	Size #2	Size #3
Minimum	2.5"	15"	24"
Maximum	17"	24"	35"
<b>Net Price</b>	<b>\$156.86</b>	<b>\$156.86</b>	<b>\$235.29</b>
Max. Stem Diameter:	2 1/8"	2 1/8"	2 1/8"

Discount on Guides - Use Net

*Recommend use of stem guides every 6 to 8 feet.*

**EXTENSION STEM SIZING**

**DIAMETER OF VALVE AND EXTENSION STEMS**

Mud Valves

M&H AWWA

Valve Size	Diameter Valve Stem	Diameter Ext. Stem	Diameter Valve Stem	Diameter Ext. Stem
2"	-	-	7/8"	1"
2-1/2"	-	-	7/8"	1"
3"	-	-	7/8"	1"
4"	1"	1-1/8"	1-1/8"	1"
6"	1-1/8"	1-1/8"	1-1/4"	1-1/8"
8"	1-1/4"	1-1/4"	1-3/8"	1-1/4"
10"	1-3/8"	1-1/4"	1-1/2"	1-3/8"
12"	1-1/2"	1-1/4"	1-1/2"	1-1/2"
14"	1-1/2"	1-1/4"	1-7/8"	1-3/4"
16"	1-5/8"	1-3/8"	1-7/8"	1-3/4"
18"	1-3/4"	1-3/8"	2-1/8"	1-7/8"
20"	1-7/8"	1-1/2"	2-1/8"	2"
24"	2"	1-1/2"	2-1/2"	2-1/4"
30"	2-1/2"	1-3/4"	2-3/4"	2-1/4"
36"	2-3/4"	2"	3"	2-1/4"

**Extension Stems**

Diameter	First 5' w/ ON or HW Steel	Extra per 12" or Fraction of Steel
1"	\$195.02	\$11.75
1-1/8"	\$212.87	\$13.42
1-1/4"	\$231.50	\$16.50
1-3/8"	\$255.53	\$19.83
1-1/2"	\$271.07	\$23.67
1-3/4"	\$361.53	\$32.25
1-7/8"	\$383.60	\$37.67
2"	\$443.20	\$50.58
2-1/4"	\$461.40	\$52.58

**Ext. stem sockets to fit over 2" square operating nut**

	Net
For valve sizes 2" to 16"	\$37.60
For valves size 16" and larger	\$37.60
Extra for large skirted operating nut	\$13.11

**T-HANDLE WRENCHES**

N.R.S.	50" Long and Under	\$123.56
	Each Additional Foot	\$8.80

**Stainless Steel Extension Stems - POA**

LIMITED WARRANTY

**M&H AWWA C509&C515 RESILIENT WEDGE GATE VALVES  
(1993)**

**M&H VALVE CO. RESILIENT SEAT GATE VALVE TEN YEAR LIMITED WARRANTY**

M&H Valve Company warrants that its R/S valves will be free from defects in material and workmanship under normal and customary use and maintenance for a period of ten (10) years from the date of purchase, provided the valve is installed and maintained according to M&H instruction, and applicable codes. The foregoing warranty does not cover failure of any part or parts from external forces, including but not limited to earthquake, vandalism, vehicular or other impact, and application of excessive torque to the operating mechanism or frost heave.

Should any M&H Valve Company part or parts fail to conform to the foregoing warranty, Clow shall, upon prompt written notice thereof, repair or replace, F.O.B. point of manufacture, such defective part or parts. Purchaser shall, if requested, return the part or parts to M&H, transportation prepaid. Purchaser shall bear all responsibility and expense incurred for removal, reinstallation and shipping in connection with any part supplied under the foregoing warranty.

**THE FOREGOING WARRANTY IS IN LIEU OF AN EXCLUDES ALL OTHER WARRANTIES NOT EXPRESSLY SET FORTH HEREIN, WHETHER EXPRESS OR IMPLIED BY OPERATION OF LAW OR OTHERWISE, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANT ABILITY OR FITNESS. IN NO EVENT SHALL M&H VALVE COMPANY BE RESPONSIBLE OR LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL LOSSES, DAMAGES OR EXPENSES.**

**July 2005 / C509 Gate Valves**

**M&H VALVE COMPANY**  
Anniston, Alabama

**M&H C502 Fire Hydrants**

**TEN-YEAR LIMITED WARRANTY**

M&H Valve Company warrants that its AWWA C502 Fire Hydrant will be free from defects in material and workmanship under normal and customary use and maintenance for a period of ten (10) years from the date of purchase, provided the hydrant is installed and maintained according to M&H instructions, and applicable codes. The foregoing warranty does not cover failure of any part or parts from external forces, including, but not limited to, earthquake, vandalism, vehicular or other impact, application of excessive torque to the operating mechanism or frost heave.

Should any M&H Valve Company part or parts fail to conform to the foregoing warranty, M&H shall, upon prompt written notice thereof, repair or replace, F.O.B. point of manufacture, such defective part or parts. Purchaser shall, if requested, return the part or parts to M&H, transportation prepaid. Purchaser shall bear all responsibility and expense incurred for removal, reinstallation and shipping in connection with any part supplied under the foregoing warranty.

**THE FOREGOING WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES NOT EXPRESSLY SET FORTH HEREIN, WHETHER EXPRESS OR IMPLIED BY OPERATION OF LAW OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS. IN NO EVENT SHALL CLOW VALVE COMPANY BE RESPONSIBLE OR LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL LOSSES, DAMAGES, OR EXPENSES.**

**M&H C-504 Butterfly Valves**  
**ONE-YEAR LIMITED WARRANTY**

M&H Valve Company warrants that its AWWA C-504 Butterfly Valves will be free from defects in material and workmanship under normal and customary use and maintenance for a period of one (1) year from the date of purchase, provided the butterfly valve is installed and maintained according to M&H instructions, and applicable codes. The foregoing warranty does not cover failure of any part or parts from external forces, including, but not limited to, earthquake, vandalism, vehicular or other impact, application of excessive torque to the operating mechanism or frost heave.

Should any M&H Valve Company part or parts fail to conform to the foregoing warranty, M&H shall, upon receipt written notice thereof, repair or replace, F.O.B. point of manufacture, such defective part or parts. Purchaser shall, if requested, return the part or parts to M&H, transportation prepaid. Purchaser shall bear all responsibility and expense incurred for removal, reinstallation and shipping in connection with any part supplied under the foregoing warranty.

**THE FOREGOING WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES NOT EXPRESSLY SET FORTH HEREIN, WHETHER EXPRESS OR IMPLIED BY OPERATION OF LAW OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS. IN NO EVENT SHALL M&H VALVE COMPANY BE RESPONSIBLE OR LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL LOSSES, DAMAGES, OR EXPENSES.**

## Terms and Conditions of Sale

**1. ENTIRE AGREEMENT.** McWane, Inc. and its divisions and subsidiaries (the "Seller") agrees to sell the goods covered herein ("Goods") to Buyer on the following terms and conditions of sale (the "Terms and Conditions") which supersede any other or inconsistent terms of Buyer. The Terms and Conditions and the order or other contract documents to which they are attached constitute the entire agreement between the parties with respect to the Goods (the "Agreement"). All references by Seller to Buyer's specifications and similar requirements are only to describe the Goods and work covered hereby and no warranties or other terms will have any force or effect. Neither this Agreement, nor any modification, amendment or waiver to it, nor any cancellation, change or return of any order under it, will be binding on Seller until agreed in writing by Seller's authorized representative. No representation, promise or term not set forth herein has been or may be relied upon by Buyer, and any terms not contained in this Agreement are expressly objected to and rejected. Acceptance of orders, whether oral or written, and/or delivery by Buyer is based on the express condition that Buyer agrees to all of these Terms and Conditions.

**2. QUOTATIONS.** Where this Agreement is used by Seller to place a bid, the quotation stated herein is for prompt acceptance and Seller may change and/or withdraw without notice. Prompt acceptance by Buyer of all quotations is a material term of the bid and any subsequent agreement. In cases where freight allowance is included in the quotation, Buyer is liable for any rate increase and/or additional expense over the calculated allowance resulting from compliance with Buyer's shipping instructions.

**3. DELIVERY.** All prices are EXW (Ex-Works)(per Incoterms 2010), unless otherwise specified by Seller in writing. All shipping dates are approximate, and any time period indicated for a shipment will not commence until receipt at Seller's plant of complete manufacturing, shipping, and credit information. Acceptance of shipment by designated shipper, allocation of Goods to Buyer at premises other than Seller's, delivery to Buyer's representative or designee or mailing of an invoice to Buyer, whichever first occurs, will constitute tender of delivery and title will pass to Buyer, subject to Seller's right of stoppage in transit and to any interest of Seller reserved to secure Buyer's payment or performance, irrespective of any freight allowance or prepayment of freight. In the case of Goods held subject to Buyer's instructions, Goods for which Buyer has failed to supply shipping instructions, or in any case where Seller, in its sole discretion, determines that any part of the Goods should be held for Buyer's account, Seller may invoice for the Goods and Buyer agrees to make payment at the maturity of the invoice rendered. Goods invoiced and held at any location for whatever reason will be at Buyer's risk and Seller may charge for (but is not obligated to carry) insurance, storage and other expenses incident to such delay at their prevailing rates. Partial deliveries shall be accepted by Buyer and paid for at Agreement prices and terms. When Buyer has declared or manifested an intention not to accept delivery, no tender shall be necessary but Seller may, at its option, give notice in writing to Buyer that Seller is ready and willing to deliver and such notice shall constitute a valid tender of delivery. Buyer must report any shortages in shipments within three (3) days of receipt of the initial shipment.

**4. LOSS OR DAMAGE IN TRANSIT.** Buyer may not make any deduction from any payment due hereunder by reason of loss or damage to Goods in transit. Upon Buyer's written

## Terms and Conditions of Sale

request, Seller, in its sole discretion, may agree as a service to Buyer to process Buyer's claim against the carrier for any loss or damage in transit, provided that Seller receives such claim within five (5) days of the delivery of the Goods. Any such claims must be accompanied by a delivery receipt, signed by carrier's agent at time of delivery, on which receipt the loss or damage has been noted, or such claims will be waived.

**5. TERMS OF PAYMENT.** Terms are stated on Seller's order or invoice document. Seller may make partial shipments and payment for that portion shall be due as provided on Seller's order or invoice document based on time of shipment. If, at any time or for any reason, Seller has cause to question Buyer's ability to perform, Seller may demand such assurances of Buyer's performance as Seller deems necessary in its discretion, including payment in advance for all shipments. If Buyer fails within ten (10) days of Seller's demand to provide Seller with such assurance, Seller may suspend its performance, cancel any order then outstanding, receive reimbursement for its reasonable and proper cancellation charges and collect, without limitation, any sums due and owing, its reasonable cancellation charges and all damages resulting from Buyer's default. In the event of Buyer's bankruptcy or insolvency, or in the event of any proceeding brought against Buyer, voluntarily or involuntarily, under bankruptcy or any insolvency laws, Seller may cancel any order then outstanding at any time and receive reimbursement for its reasonable and proper cancellation charges. If Buyer fails to make payment for Goods when due, Buyer's account will be deemed delinquent and Buyer will be liable to Seller for a service charge of eighteen percent (18%) per annum or the maximum allowed by law, whichever is greater, on any unpaid amount; provided that, in addition to the foregoing, Seller may also suspend its performance, cancel any order then outstanding, receive reimbursement for its reasonable and proper cancellation charges and to collect, without limitation, any sums due and owing, its reasonable cancellation charges and all damages resulting from Buyer's default. Buyer will be liable to Seller for all costs and expenses of collection, including court costs and reasonable attorneys' fees.

**6. CANCELLATION, CHANGES AND RETURNS.** In the event of a proper cancellation, change or return request from Buyer under this Agreement, Seller may, at its option: (A) charge Buyer for any costs Seller incurred prior to or as a result of such cancellation, change or return; (B) revise its prices and delivery dates to reflect such change; and/or (C) accept returned Goods for credit if, in Seller's sole discretion, it finds such Goods to be standard stock and in good condition. The credit will be, in Seller's sole discretion, either the invoice price less a percentage to be determined by the Seller or the scrap value of the Goods, along with shipping and handling charges to be determined by Seller. All returned Goods must be securely packed by Buyer to ensure that the returned material is not damaged during shipment.

**7. DELAY IN OR PREVENTION OF PERFORMANCE.** Seller will not be liable for any expense, loss or damage resulting from delay in delivery or prevention of performance caused by any event beyond Seller's reasonable control ("Force Majeure"), including without limitation: fire; flood; storm; act of God; strike, labor dispute or labor shortage; lack of or inability to obtain materials, fuels, supplies or equipment; civil unrest or riot; accident; transportation delay or shortage; act or failure to act of any government or of Buyer; or any other cause whatsoever, provided that such cause is beyond Seller's reasonable control. Seller will have such



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additional time for performance as may be reasonably necessary under the circumstances and may adjust the price to reflect increases occasioned by Force Majeure. Buyer's acceptance of any Goods will constitute Buyer's waiver of any claim for damages on account of any delay in delivery of such Goods. If delivery is delayed or interrupted by Force Majeure, Seller may store the Goods at Buyer's expense and risk and charge Buyer a reasonable storage rate. If Seller is delayed because it is awaiting Buyer's approval or acceptance of designs, drawings, prints, engineering or technical data, or is awaiting Buyer's approval or acceptance of Goods, Seller will be entitled to an adjustment in price commensurate with any increase in its cost of production and any other losses and expenses incurred by Seller attributable to such delays.

**8. DEFERRED DELIVERY.** If Buyer requests a deferred delivery and Seller approves in writing, Seller may charge Buyer for the completed portion of this Agreement and warehouse all completed Goods at Buyer's expense and risk of loss. As to any uncompleted portion of this Agreement, Seller may, at its option, cancel said uncompleted portion in accordance with Paragraph 6 above or revise its prices and delivery schedules on the portion not completed to reflect its increased costs and expenses attributable to the delay.

**9. WARRANTY AND BUYER'S REMEDIES.** Seller warrants that the Goods will be of the kind described in this Agreement and free from defects in material and workmanship under conditions of normal use. Seller reserves the right to make any modifications required by production conditions to the information set forth in Seller's catalogues and advertising literature. Seller will not be liable or responsible, however, for (A) any defects attributed to normal wear and tear, erosion or corrosion, improper storage, use or maintenance or use of the Goods with incompatible products, or (B) defects in any portion or part of the Goods manufactured by others. If (B) above is applicable, Seller will, as an accommodation to Buyer, assign to Buyer any warranties given to it by any such other manufacturers; provided, however, that the foregoing will not extend Seller's warranty to any accessory products unless otherwise agreed to in writing by Seller. All warranties provided herein are void if the Goods are modified or used in conjunction with products or accessories not manufactured or approved by Seller or which are incompatible with the Goods. Any claim by Buyer with reference to the Goods for any cause will be deemed waived by Buyer unless submitted to Seller in writing within ten (10) days from the date Buyer discovered, or should have discovered, any claimed breach. Buyer will give Seller an opportunity to investigate. Provided that Seller is furnished prompt notice by Buyer of any defect and an opportunity to inspect the alleged defect as provided herein, Seller will, at its option and in its sole discretion either: (i) repair the defective or non-conforming Goods; (ii) replace the nonconforming Goods, or part thereof, which are sent to Seller by Buyer within sixty (60) days after receipt of the Goods at Buyer's plant or storage facilities; or (iii) if Seller is unable or chooses not to repair or replace, return the purchase price that has been paid and cancel any obligation to pay unpaid portions of the purchase price of nonconforming Goods. In no event will any obligation to pay or refund exceed the purchase price actually paid. Repair and/or replacement as provided above will be shipped EXW (Ex-Works)(per Incoterms 2010) unless otherwise agreed in writing by Seller. Buyer will prepay all transportation charges for the return of the Goods or part thereof to Seller, unless otherwise agreed in writing by Seller. Seller will not be responsible for any labor, removal or installation charges that may result from the above-described repair and/or replacement of any Goods. This warranty does not cover failure of any part or parts

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manufactured by others, failure of any part or parts from external forces, including without limitation corrosive soils, earthquake, installation, vandalism, vehicular or other impact, application of excessive torque to the operating mechanism, frost heave or other Force Majeure. Buyer's exclusive remedy and Seller's sole liability for any loss, damage, injury or expense of any kind arising from the manufacture, delivery, sale, installation, use or shipment of the Goods and whether based on contract, warranty, tort or any other basis of recovery whatsoever, will be, at Seller's election, the remedies described above. The foregoing is intended as a complete allocation of risks between the parties and Buyer understands that it will not be able to recover consequential damages even though it may suffer such damages in substantial amounts. Because this Agreement and the price paid reflect such allocation, this limitation will not have failed of its essential purpose even if it operates to bar recovery for such consequential damages.

**10. PATENTS.** If any claim is made against Buyer based on a claim that any of the Goods constitute an infringement of any U.S. Letter Patent, Buyer will notify Seller immediately. Seller may, with Buyer's assistance, if required, but at Seller's expense, conduct settlement negotiations or the defense of any litigation. If any of the Goods are held to infringe any U.S. Letter Patent, and their use is enjoined or, if as a result of a settlement, Seller deems their continued use unadvisable and provided that Buyer has given Seller the immediate notice required above and has used the Goods only in accordance with the provisions of this Agreement and has not altered or changed them in any material way, Seller will, at its option and expense, procure for Buyer the right to continue using the Goods, modify the Goods so that they become non-infringing, replace the Goods with non-infringing Goods of substantially equal quality, or replace the Goods and refund the purchase price, less reasonable depreciation. The foregoing states Seller's entire liability for patent infringement.

**11. LIMITATION OF LIABILITY.** THE WARRANTIES IN PARAGRAPHS 9 AND 10 ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES WHETHER EXPRESS OR IMPLIED BY LAW OR STATUTE OR ARISING FROM TRADE USAGE OR COURSE OF DEALING. THERE IS NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT, WHETHER AS A RESULT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE) OR STRICT LIABILITY, WILL SELLER BE LIABLE FOR ANY PUNITIVE, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION LOSS OF PROFIT, LOSS OF USE OF THE GOODS OR OTHER PROPERTY OR EQUIPMENT, DAMAGE TO OTHER PROPERTY, COST OF CAPITAL, COST OF SUBSTITUTE GOODS, DOWNTIME, OR THE CLAIMS OF BUYER'S CUSTOMERS FOR ANY OF THE AFORESAID DAMAGES. SELLER WILL NOT BE LIABLE AND BUYER AGREES TO INDEMNIFY SELLER FOR ALL PERSONAL INJURY, PROPERTY DAMAGE OR OTHER LIABILITY RESULTING IN WHOLE OR IN PART FROM BUYER'S NEGLIGENCE. NO CLAIMS OF ANY NATURE, WHETHER BASED ON CONTRACT, TORT, STRICT LIABILITY OR OTHERWISE MAY BE BROUGHT AGAINST SELLER MORE THAN TWENTY-FOUR (24) MONTHS AFTER DELIVERY OF THE GOODS TO BUYER.

In any contract by Buyer for resale of Goods Buyer will effectively disclaim, as against Seller, any implied warranty of merchantability and all liability for property damage or personal injury

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resulting from handling, possession or use of Goods, and shall exclude, as against Seller, any liability for special or consequential damages.

**12. CONTROLLING LAW AND CONSENT TO VENUE.** This Agreement and all rights and obligations hereunder will be governed by, and construed in accordance with, the laws of the State of Alabama, U.S.A., without regard to its conflicts of laws provisions. The United Nations Convention on Contracts for the International Sale of Goods shall not apply to this Agreement. Except when the dispute is arbitrated, the parties irrevocably agree that the exclusive venue for all disputes between the parties will be the state and federal courts of Alabama, U.S.A., to which jurisdiction Buyer hereby irrevocably submits. Buyer waives any objection or defense that Buyer is not personally subject to jurisdiction of the state and federal courts of Alabama, U.S.A.; that the venue of the action is improper; and that the action, suit or proceeding is brought in an inconvenient forum. In addition to any other mode of service of process authorized by law, Buyer consents to service of process by registered or certified mail.

**13. COMPLIANCE WITH LAWS.** Buyer represents and warrants, in connection with the transactions contemplated by this Agreement, and any other agreement contemplated by or entered into pursuant to this Agreement, that Buyer will comply with all governmental laws, regulations and orders that may be applicable to Buyer, including without limitation all laws and regulations regarding export controls, economic sanctions and trade embargoes, anti-boycott restrictions, anti-money laundering laws and anti-corruption laws, including but not limited to the U.S. Foreign Corrupt Practices Act (as amended) and the United Kingdom Bribery laws (collectively, the "Applicable International Trade and Anti-Corruption Laws"). Buyer will comply with all applicable Equal Opportunity requirements including those set forth in Executive Order 11246 and the Vietnam Era Veterans Readjustment Assistance Act of 1974, and regulations promulgated thereunder **(THE FULL VERSION OF THOSE REQUIREMENTS IS EXPRESSLY INCORPORATED INTO THESE TERMS AND CONDITIONS, A COPY OF WHICH IS AVAILABLE ON THE WEB AS "EQUAL OPPORTUNITY REQUIREMENTS" AT [www.mcwane.com](http://www.mcwane.com) UNDER THE "PRODUCTS" TAB)**. Buyer acknowledges and confirms that it and its officers, directors, employees, agents, contractors, designees and/or any other party acting on its behalf (collectively "Related Parties") are familiar with the provisions of the Applicable International Trade and Anti-Corruption Laws. Buyer agrees to indemnify, defend and hold harmless Seller and its employees from and against any and all claims, demands, costs, penalties and fines arising in connection with any alleged breach by Buyer or any of its Related Parties of this paragraph. Seller may terminate this Agreement in its entirety, without liability to Buyer, if Seller believes in good faith that Buyer or any of its Related Parties has violated or intends to violate this paragraph.

**14. ARBITRATION; DISPUTE RESOLUTION; PRESERVATION OF REMEDIES.** All disputes, claims or controversies (individually or collectively, a "Dispute") between Seller and Buyer arising out of or relating to the transactions contemplated by this Agreement, including without limitation any claim based on or arising from an alleged tort, shall be resolved by binding arbitration in accordance with Title 9 of the U.S. Code and the Commercial Arbitration Rules of the American Arbitration Association (the "AAA"). The Dispute will be arbitrated in Birmingham, Alabama, U.S.A. Defenses based on statutes of limitation and similar doctrines will be applicable in any such proceeding, and the commencement of an arbitration proceeding

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under this Agreement will be deemed the commencement of an action for such purposes. The parties will select arbitrators in accordance with the Commercial Arbitration Rules of the AAA. The AAA will designate a panel of ten (10) potential arbitrators knowledgeable in the subject matter of the Dispute. Seller and Buyer each shall designate, within thirty (30) days of the receipt of the list of potential arbitrators, one of the potential arbitrators to serve, and the two arbitrators so designated shall select a third arbitrator from the eight remaining candidates. Notwithstanding the foregoing, Seller reserves the right to resolve or bring any Dispute in a court of competent jurisdiction in accordance with paragraph 12 of these Terms and Conditions.

**15. WAIVER.** No waiver of any provision, right or remedy contained in this Agreement, including the terms of this Paragraph 15, is binding on, or effective against, Seller unless expressly set forth in writing and signed by Seller's authorized representative. Buyer expressly agrees that no right or remedy provided for in this Agreement can be waived through course of dealing, course of performance or trade usage. Buyer expressly agrees and acknowledges that reliance on any waiver without Seller's written consent is unreasonable. Waiver by Seller of any breach will be limited to the specific breach so waived and will not be construed as a waiver of any subsequent breach. Seller's approval or consent to any action proposed by Buyer will not be considered an agreement to the propriety, fitness or usefulness of the proposed action, and will not affect Buyer's obligation to strictly comply with this Agreement and all related orders.

**16. ASSIGNMENT.** Buyer may not assign this Agreement or any rights or obligations hereunder without Seller's prior written consent. Any attempted assignment in contravention of this paragraph is void. This Agreement, and the Terms and Conditions contained herein, are enforceable, however, against Buyer's successors and permitted assigns.

**17. TAXES.** Seller's prices do not include sales, use, excise or other similar taxes. Consequently, in addition to the price specified herein, Buyer will pay the amount of any present or future such tax, unless Buyer, at the time of sale, provides Seller with all tax-exemption certificates required by taxing authorities.

**18. CUMULATIVE NATURE OF REMEDIES.** Seller's remedies in this Agreement are cumulative and in addition to any other remedies available to Seller, whether at law, equity or otherwise.

**19. SEVERABILITY.** If any provision or part of a provision contained in this Agreement is held by a court of competent jurisdiction to be contrary to law or public policy, the remaining provisions of the Agreement will remain in full force and effect.

**20. CONSTRUCTION.** No provision of this Agreement may be construed against the Seller as the drafting party.