

**Price List Index**

<b><u>Product Group</u></b>	<b><u>Page</u></b>
Aftercoolers, bottom blowoff	14
Boiler bottom blowoff separators	14
Boiler bottom blowoff tanks	14
Blowdown heat recovery systems	13
Blowdown Heat recovery systems, Repair parts	14-15
Chemical feed systems	4
Chemical tanks	5
Metering pumps, Accessories	3
Metering pumps, JN Series	1
Metering pumps, MF Series	1
Metering pumps, MH Series	1
Motor options	2
Mixers	4
Orifice meter, blowdown flow control	13
Orifice meter Repair parts	12
Pump Repair parts, JN & JR Series pumps	10-11
Pump Repair parts, MF Series pumps	5-9
Pump Repair parts, MH Series pumps	5-9
Pump seal flush coolers	11
Sample coolers	11
Tanks, Polyethylene	5
Tanks, Stainless steel	5

---

**DIAPHRAGM METERING PUMPS**

Simplex GPH	HP	Simplex No.	Price	Duplex No.	Price	Triplex No.	Price	Old No.
1	1/3	JN101A	1,445.00	JN201A	2,245.00	JN301A	3,045.00	JR101A
2	1/3	JN102A	1,445.00	JN202A	2,245.00	JN302A	3,045.00	JR102A
4	1/3	JN104A	1,445.00	JN204A	2,245.00	JN304A	3,045.00	JR104A
5	1/3	JN105A	1,445.00	JN205A	2,245.00	JN305A	3,045.00	
7	1/3	JN107A	1,445.00	JN207A	2,245.00	JN307A	3,045.00	JR107A
11	1/3	JN111A	1,445.00	JN211A	2,245.00	JN311A	3,045.00	
5	1/3	MF105A	1,890.00	MF205A	2,950.00	MF305A	4,010.00	M-0525
9	1/2	MF109C*	2,105.00	MF209C*	3,165.00	MF309C*	4,225.00	
10	1/3	MF110A	1,970.00	N/A		N/A		M-1025
10	1/2	MF110C	2,015.00	MF210C	3,075.00	MF310C	4,135.00	M-1050
18	1/3	MF118A	2,065.00	N/A		N/A		M-1825
18	1/2	MF118C	2,105.00	MF218C	3,165.00	MF318C	4,225.00	M-1850
36	1/3	MF136A	2,115.00	N/A		N/A		M-3625
36	1/2	MF136C	2,155.00	MF236C	3,215.00	MF336C	4,165.00	M-3650
60	1/3	MF160A	2,155.00	N/A		N/A		M-5425
60	1/2	MF160C	2,200.00	MF260C	3,260.00	MF360C	4,320.00	M-5450
60	3/4	MF160D	2,240.00	MF260D	3,300.00	MF360D	4,360.00	
75	1/2	MF190C	2,375.00	MF290C	3,435.00	MF390C	4,495.00	M-9050
96	3/4	MH196D	2,990.00	MH296D	4,955.00	N/A		
125	1	MH1125E	3,070.00	MH2125E	5,035.00	N/A		
150	1.5	MH1150F	3,130.00	MH2150F	5,095.00	N/A		
180	1	MH1180E	3,350.00	MH2180E	5,315.00	N/A		
180	1.5	MH1180F	3,390.00	MH2180F	5,355.00	N/A		

**NOTES:**

- For MF Series Quadruplex pricing add \$830.00 to appropriate triplex pricing, MF Series only.
- Model MF109C is designed for use with variable speed motor only, see page 2 for motor option selection.
- **Standard Construction:**  
 JN Series price includes: PVC solution head, Neoprene diaphragm, 316 SS valve balls; motor: 1/60/115-230 TEFC  
 MF Series price includes: Cast Iron solution head, Neoprene diaphragm, 316 SS valve balls; motor: 3/60/230-460 TEFC  
 MH Series price includes: 316 SS solution head, Neoprene diaphragm, 316 SS valve balls; motor: 3/60/230-460 TEFC
- For pricing for other motors, construction features and options see prices below and on page 2.
- Standard paint finish is blue acrylic enamel.

**PUMP OPTIONS**

Add the price shown as an additional amount for each simplex pump (doubled for duplex pump).

Note: Double diaphragm adder is in addition to diaphragm option from left column. N/C = no extra charge N/A = not available

Solution head	MH Series	MF Series	JN Series
Cast iron	N/A	N/C	N/A
316 SS	N/C	50.00	165.00
PVC	60.00	25.00	N/C
Teflon	570.00	310.00	165.00
Polypropylene	N/A	35.00	N/A

DDB Double Diaphragm	MH Series	MF Series	JN Series
Neoprene	430.00	145.00	135.00
Hypalon	430.00	145.00	135.00
Viton	585.00	265.00	150.00

Diaphragm	MH Series	MF Series	JN Series
Neoprene	N/C	N/C	N/C
Hypalon	5.00	N/C	5.00
Viton	155.00	165.00	130.00
Teflon Faced Neoprene	160.00	55.00	125.00
Teflon faced Viton	320.00	190.00	N/A

Valve Balls	MH Series	MF Series	JN Series
316 SS	N/C	N/C	N/C
Ceramic	N/A	55.00	20.00
Hastelloy C	365.00	115.00	80.00
Carpenter 20	195.00	N/A	N/A
Viton	45.00	N/A	N/A
Teflon	10.00	10.00	N/C

316 SS - DDB Double Diaphragm required for Leak Detector Switch

Paint Finish	MH Series	MF Series	JN Series
Epoxy/poly	100.00	75.00	50.00

Leak detector switch	Part no.	Price
NEMA 4 - 316 SS	MP138A	470.00
NEMA 7/9 - 316 SS	MP138B	855.00

Additional MF Series Options	Price
Vertical valve caps 3/4" NPT	N/C
Cone type valves, 303 SS	40.00
M-200 Spring loaded valves	50.00
M-115 rigid seat valves, 316 SS	20.00
M-115 rigid seat valves, Carpenter 20	N/A

Additional MH Series Options	Price
Valve seats, Teflon/glass filled	N/C
Valve seats, 316 SS	45.00
Valve seats, ceramic	80.00

**Pump motor options-adders to list prices for single speed motors**

H.P.	Pump series	Deduct motor & Cplg	Explosion proof 1/60/115	Explosion proof 3/60/230-460	TEFC 1/60/115-230	50 Hz 1/50/110-220 TEFC	3 phase TEFC 3/60/230-460	Mill & Chem Duty 3/60/230-460
1/3	JN Series	-295.00	305.00	320.00	N/C	*	N/C	*
1/3	MF Series	-245.00	340.00	355.00	60.00	*	N/C	*
1/2	MF Series	-275.00	370.00	345.00	80.00	*	N/C	*
3/4	MF & MH	-295.00	475.00	425.00	125.00	*	N/C	*
1.0	MH Series	-360.00	505.00	420.00	95.00	*	N/C	*
1.5	MH Series	-400.00	N/A	730.00	140.00	*	N/C	*

Note: \* contact factory for pricing

**Variable speed motors; DC and AC inverter duty**

H.P.	Pump series	90 V DC TENV	90 V DC Washdown duty	3/60/230-460 TEFC	3/60/230-460 Washdown	Explosion proof 3/60/230-460
1/3	JN Series	*	*	240.00	240.00	*
1/3**	MF Series	*	*	N/A	N/A	*
1/2	MF Series	*	*	285.00	285.00	*
3/4	MF & MH	*	*	280.00	280.00	*
1.0	MH Series	*	*	285.00	285.00	*
1.5	MH Series	*	*	320.00	320.00	*

\*\* For variable speed motors for MF Series pump applications requiring a 1/3 HP single speed motor, use the model number and price for a 1/2 HP motor pump of the same capacity for both the base price and the variable speed motor adder

**Variable speed drive controllers; DC and AC, all with 4-20 mA signal follower**

Max H.P.	Manufacturer	Enclosure	Power in	Power out	Part no.	Price
1	KB Electronics	NEMA 4X	1/60/115	9-90 v DC	KBPC-240D	495.00
1	KB Electronics	NEMA 4	1/60/115-230	3/6-60/230	KBAC-24D	670.00
1.5	KB Electronics	NEMA 4	1/60/115-230	3/6-60/230	KBAC-27D	895.00
2	KB Electronics	NEMA 4	3/60/230	3/6-60/230	KBAC-29	895.00
2	KB Electronics	NEMA 4	3/60/460	3/6-60/460	KBAC-45	945.00

Adjustable Back Pressure Valves, 150 psi - Teflon diaphragm, body material from table below

Part no.	Size NPT	PVC (P)	PP (PP)	PVDF (V)	PTFE (T)	316 SS (S)*	Alloy 20 (A)*
BPM025 (___)	1/4"	130.00	136.00	280.00	260.00	361.00	600.00
BPM038 (___)	3/8"	130.00	136.00	280.00	260.00	361.00	600.00
BPM050 (___)	1/2"	148.00	153.00	410.00	355.00	405.00	655.00
BPG075 (___)	3/4"	269.00	276.00	545.00	439.00	488.00	845.00
BPG100 (___)	1"	345.00	352.00	665.00	576.00	635.00	1,040.00
BPG150 (___)	1-1/2"	760.00	800.00	1,800.00	1,500.00	1,610.00	4,270.00
BPG200 (___)	2"	860.00	905.00	1,855.00	1,565.00	1,680.00	4,440.00

Adjustable Pressure Relief Valves, 150 psi - Teflon diaphragm, body material from table below

Part no.	Size NPT	PVC (P)	PP (PP)	PVDF (V)	PTFE (T)	316 SS (S)*	Alloy 20 (A)*
PRM025 (___)	1/4"	146.00	152.00	301.00	285.00	379.00	635.00
PRM038 (___)	3/8"	146.00	152.00	301.00	285.00	379.00	635.00
PRM050 (___)	1/2"	150.00	157.00	418.00	370.00	424.00	680.00
PRG075 (___)	3/4"	285.00	290.00	555.00	490.00	530.00	875.00
PRG100 (___)	1"	370.00	374.00	686.00	640.00	684.00	1,090.00
PRG150 (___)	1-1/2"	760.00	805.00	1,790.00	1,505.00	1,610.00	4,270.00
PRG200 (___)	2"	860.00	905.00	1,855.00	1,565.00	1,680.00	4,440.00

\* For 350 psi maximum rating M Series add \$171.00, G Series add \$249.00 for up to 1" valves. Metal body only.

Pulsation Dampeners, 10 cu in, use with JN Series and MF Series pumps

	Body	Neoprene diaphragm	Viton diaphragm	Hypalon diaphragm	Teflon diaphragm
Part no. Price	PVC	CTP1010N 286.00	CTP1010V 387.00	CTP1010H 337.00	CTP1010T 715.00
Part no. Price	316 SS	CTS1000N 795.00	CTS1000V 885.00	CTS1000H 825.00	CTS1000T 1275.00

Pulsation Dampeners, 36 cu in, use with MH Series pumps

	Body	Neoprene diaphragm	Viton diaphragm	Hypalon diaphragm	Teflon diaphragm
Part no. Price	PVC	CT1311N 700.00	CT1311V 930.00	CT1311H 826.00	CT1311T 1,482.00
Part no. Price	316 SS	CT3120N 1,422.00	CT3120V 1,715.00	CT3120H 1,512.00	CT3120T 2,228.00

Calibration columns

Capacity – ml	Part no.	Price
100	IN500A	74.00
200	IN500B	88.00
500	IN500C	100.00
1,000	IN500D	120.00
2,000	IN500E	188.00
4,000	IN500F	246.00
10,000	IN500G	508.00
20,000	IN500H	634.00

Other pump accessories

Description	Part no.	Price
Pulse flow detector kit, 1/4" NPT	IN701	INQUIRE
Pulse flow detector kit, 1/2" NPT	IN702	INQUIRE
Flow meter, SeaMetric	EM101	INQUIRE
Foot valve & strainer, PVC, 1/4" NPT	TF092	80.00
Tubing kit, 20' 3/8" PVC, (4) PVC hose barbs	TF999A	23.00
Tubing kit, 20' 3/8" PVC, (4) 316 SS hose barbs	TF999B	102.00
Plug kit for Franklin IMDS motor remote control installation	59929	36.00
Degassing valve, 1/2" NPT	AV50CPVC	245.00

Bases and covers

Description	Part no.	Price
MF simplex and JN Series	MP084A	60.00
MF Series duplex	MP084B1	85.00
MH Series simplex	MP084D	125.00
MH Series duplex	MP084E	135.00
Galv cover, MF simplex	MP085A	32.00
Galv cover, MF duplex	MP085B	38.00

**Packaged Chemical Feed Systems Price List**

Part no.	Price	Tank Capacity	Tank Material	Pump JN Series	Pump MF Series	Mixer included	PRV installed
TE501	1,480.00	30 gal	HDPE	Included-Top Mount	N/A	none	150.00
TE502	2,915.00	55 gal	HDPE	Included-Top Mount	375.00	AA103A	150.00
TE503	3,440.00	110 gal	HDPE	Included-Top Mount	375.00	AA103A	150.00
TE504	3,065.00	55 gal	HDPE	Included-Side Mount	375.00	AA103A	150.00
TE504S	6,300.00	55 gal	304 SS	Included-Side Mount	375.00	AA103A	150.00
TE505	4,000.00	110 gal	HDPE	Included-Side Mount	375.00	AA103A	150.00
TE505S	8,250.00	110 gal	304 SS	Included-Side Mount	375.00	AA103A	150.00

Standard equipment included in Chemical Feed Systems:

- JN Series pumps of any simplex model, standard pump construction described on page 1
- MF Series pumps: MF105A or MF110A, standard pump construction described on page 1
- Optional pumps or accessories: contact the factory for pricing

**MIXERS**

High speed, direct drive, 1,725 rpm, 316 SS shaft and propeller, maximum shaft length: 36"

Shaft	Motor H.P.	Prop size	Props	Part Number	Price 1,725 rpm	Variable Speed Part Number	Price 240-2400 rpm Variable Speed
1/2"	1/3	4"	1	AA103A	610.00		
5/8"	1/3	4"	1	AA102A	645.00	AA102AF	1,610.00
5/8"	air motor	4"	1	AA102B	910.00		
5/8"	1/3	4"	2	AA202A	845.00	AA202AF	1,465.00
C clamp	Mounting	bracket		AA033	230.00		

Medium speed, 5:1 gear reducer, 345 rpm, 1" 316 SS shaft and SS propeller, maximum shaft length: 72"

Motor H.P.	Prop size	Props*	Single speed Part Number	Price 345 rpm	Variable speed 40-400 rpm Part Number	Price Variable Speed
1/2	8"	1	AA104C	2,340.00	AA104CF	3,430.00
1	8"	1	AA104E	2,470.00	AA104EF	3,750.00

\* For second prop, 8" 316 SS, add \$275.00. Part Number: AA204\_\_\_\_\_.

Slow speed, 30:1 gear reducer, 57 rpm, 1.25" 316 SS shaft and SS turbine, maximum shaft length: 96"

Motor H.P.	Turbine size	Turbines*	Single speed Part Number	Price 57 rpm	Variable speed 6-66 rpm Part Number	Price variable speed
1/2	16"-24"	1	AA110C	2,515.00	AA110CF	3,610.00
1	16"-24"	1	AA110E	2,660.00	AA110EF	3,940.00

\* For second turbine, add \$350.00. Part Number: AA210\_\_\_\_\_.

Motors: Standard 1/3 HP are priced the same for either 3/60/230-460 or 1/60/115-230, TEFC. Standard 1/2 HP and 1 HP are priced for 3/60/230-460, TEFC. Variable speed mixers are 3/60/115.

Mounting support, bridge type, for medium and slow speed mixers, made with structural steel "C" channel

Part Number	Description	Price
AA031	Tanks up to 48" wide X 60" tall	530.00
AA032	Tanks up to 72" wide X 96" tall	820.00

## Tanks, polyethylene and stainless steel

Capacity (gal)	Description (material, dia., height, wall)	Weight (lbs)	Part no.	Price Hinged Lid	Price Tank
30	PE, 18" X 29" X 1/4" wall	15	TF300	193.00	222.00
55	PE, 22" X 36" X 1/4" wall	23	TF302	193.00	354.00
55	304 SS, 22" X 22" X 29", 12 ga		TF302S	included	2,674.00
110	PE, 30" X 36" X 5/16" wall	47	TF305	210.00	591.00
110	304SS, 27" X 27" X 36", 12 ga		TF305S	included	3,368.00
155	PE, 36" X 36", 5/16" wall	58	TF307	227.00	692.00
200	PE, 36" X 48", 5/16" wall	72	TF309	229.00	732.00
260	PE, 36" X 60", 5/16" wall	86	TF312	241.00	972.00
275	PE, 42" X 48", 5/16" wall	115	TF311	241.00	852.00
325	PE, 36" X 74", 5/16" wall	115	TF325	210.00	1,562.00
360	PE, 48" X 48", 5/16" wall	135	TF360	286.00	977.00
440	PE, 52" X 48", 3/8" wall	155	TF440	447.00	2,152.00
500	PE, 52" X 60", 3/8" wall	170	TF500	536.00	1,430.00
550	PE, 48" X 72", 3/8" wall	180	TF550	286.00	2,442.00

Tanks include one bulkhead fitting installed in side at bottom for pump suction piping connection. All tanks are flat bottom and require full floor or platform support. Polyethylene tanks are white translucent to enable viewing of liquid level inside the tank. 304 SS tanks include sight glass and valves for viewing liquid level. For other tank sizes, or additional features, contact the factory for pricing and availability

## Pump Repair Parts Price List, MF and MH Series Parts

Part No.	Price each	Old No.	Qty Req'd	Description
MP010	453.00	M-10	1	Gear case
MP011	103.00	M-11	1	Side flange, for gear case
MP012	18.50	M-12	1	Bushing for side flange (also used in pump body)
MP013	3.00	M-13	2	Gasket, gear case
MP073	2.80	M-14	4	Screws, pump body to gear case, HH 7/16"-14 X 7/8"
MP014B	3.50	M-14	4	Screws, side flange to gear case, HH 7/16"-14 X 3/4"
MP015	78.00	M-15	1	Bearing cap, blind
MP016	93.00	M-16	1	Bearing cap, open
MP017	16.00	M-17	1	Oil seal
MP018	8.00	M-18	2	Oil feed tube
MP019	26.00	M-19	2	Tapered roller bearing
MP020A	12.80	M-20	2	Gasket set, bearing cap
MP021	1.15	M-21	8	Screws, bearing cap, HH 1/4"-20 X 5/8"
MP022	2.50	M-22	2	Oil plug for gear case
MP023A	307.00	M-23	1	Worm gear, 5 & 10 GPH
MP023C	264.00	M-23	1	Worm gear, 9 & 18 GPH
MP023D	259.00	M-23	1	Worm gear, 36 & 96 GPH
MP023E	275.00	M-23	1	Worm gear, 54, 60, 90, 125, 150 & 180 GPH
MP024	1.75	M-24	1	Set screw, worm gear, SH 5/16"-18 X 5/16"
MP025A	215.00	M-25	1	Worm drive shaft, 5 & 10 GPH
MP025C	277.00	M-25	1	Worm drive shaft, 9 & 18 GPH
MP025D	277.00	M-25	1	Worm drive shaft, 36 & 96 GPH
MP025E	308.00	M-25	1	Worm drive shaft, 54, 60, 90, 125, 150 & 180 GPH
MP026	2.20	M-26	1	Woodruff key, worm drive shaft for coupling
MP027A	66.00	M-27	1	Pump drive shaft, simplex

Part No.	Price each	Old No.	Qty Req'd	Description
MP027B	90.00	M-27	1	Pump drive shaft, duplex
MP027C	145.00	M-27	1	Pump drive shaft, triplex
MP027D	175.00	M-27	1	Pump drive shaft, quadruplex
MP028	4.70	M-28	2	Woodruff key, pump drive shaft
MP029A	460.00	M-29L	1	Pump body, left hand
MP029B	460.00	M-29R	1	Pump body, right hand
MP029C	510.00	M-29	1	Pump body, double flanged
MP012	18.50	M-30	3	Bushing for drive shaft, installed in pump body
MP031	3.40	M-31	1	Expansion plug
MP032A	119.00	M-32	1	Eccentric, 5 & 9 GPH
MP032B	119.00	M-32	1	Eccentric, 10, 18, 36, 54 & 60 GPH
MP032C	119.00	M-32	1	Eccentric, 90, 96 & 150 GPH
MP032D	119.00		1	Eccentric, 180 GPH
MP032E	119.00		1	Eccentric, 125 GPH
MP024	1.75	M-33	1 OR 2	Set screw, eccentric, SH 5/16"-18 X 5/16"
MP0341	185.00	M-34	1	Connecting rod, standard
MP0342	185.00	M-34	1	Connecting rod, 5 & 9 GPH
MP0343	185.00		1	Connecting rod, 180 GPH
MP034A	427.00	M-34-A	1	Connecting rod assembly, standard, includes parts M-34, 35, 36, 37, 41, 42, 43, & 44
MP034B	427.00	M-34-A	1	Connecting rod assembly, 5 & 9 GPH
MP034C	427.00		1	Connecting rod assembly, 180 GPH
MP035	40.00	M-45	1	Bushing, connecting rod
MP036A	45.00	M-36	1	Screw, stroke adjusting, 5 & 9 GPH
MP036B	45.00	M-36	1	Screw, stroke adjusting, standard
MP036C	45.00		1	Screw, stroke adjusting, 180 GPH
MP037	1.40	M-37	1	Set screw, stroke adjusting screw, SH 10-32 X 1/4"
MP038	185.00	M-38	1	Piston, standard
MP136	185.00	M-38	1	Piston, MF Series DDB pump, all MH Series pumps
MP039	26.50	M-39	1	Wrist pin
MP040	1.25	M-40	1	Set screw, wrist pin, SH 1/4"-20 X 1/4"
MP041	115.00	M-41	1	Trunnion
MP042	33.00	M-42	1	Bushing, trunnion
MP043	8.50	M-43	2	Slide screw
MP024	1.75	M-44	4	Set screw, for slide screw, SH 5/16"-18 X 5/16"
MP045	0.75	M-45	1	Dial cover screw, fillister head 6-32 X 3/4"
MP047	23.00	M-47	1	Dial gear with M-56 dial scale, specify pump model
MP048	41.00	M-48	1	Flexible shaft
MP049	97.00	M-49	1	Name plate
MP049A	250.00	M-49-A	1	Name plate assembly, incl all parts M-45 to M-58, except M-48
MP050	1.25	M-50	4	Screw, name plate, oval head 10-32 X 1/2"
MP051	9.75	M-51	1	Gasket, name plate
MP052	61.00	M-52	1	Adjustment knob
MP052A	.80		1	O-ring for Adjustment knob
MP053	1.25	M-53	2	Set screw, adjustment knob, SH 10-32 X 1/2"
MP054	2.30	M-54	1	Retaining ring, adjustment knob
MP055	26.00	M-55	1	Dial cover
MP056	1.75	M-56	1	Dial scale
MP057	3.00	M-57	1	Drag spring
MP058	1.15	M-58	1	Drag spring ball
MP059A	83.00	M-59	1	Diaphragm, Neoprene

## Pump Repair Parts MF Series Parts Diaphragms, solution heads and valve parts

Part No.	Price each	Old No.	Qty.	Description
MP059B	N/A	M-59	1	Diaphragm, Buna DISCONTINUED
MP059C	89.00	M-59	1	Diaphragm, Hypalon
MP059D	270.00	M-59	1	Diaphragm, Viton
MP059E	130.00	M-59	1	Diaphragm, Teflon faced Neoprene
MP059F	313.00	M-59	1	Diaphragm, Teflon faced Viton
MP064A	246.00	M-64	1	Solution head, cast iron
MP064B	425.00	M-64	1	Solution head, 316 stainless steel (old style is p/n MP064B1)
MP064C	N/A	M-64	1	Solution head, Carpenter 20
MP065	5.50	M-65	6	Screw, metal solution head, SH 3/8"-16 X 1", SS
MP0662A	N/A	M-66	1	Valve cap, outlet, cast iron, 3/8" NPT -USE MP0662B
MP0662B	153.00	M-66	1	Valve cap, outlet, 316 SS, 3/8" NPT
MP0662C	N/A	M-66	1	Valve cap, outlet, Carpenter 20, 3/8" NPT
MP0663A	143.00	M-66	1	Valve cap, outlet, 316 SS, 3/4" NPT, vertical
MP0663B	N/A	M-66	1	Valve cap, outlet, Carpenter 20, 3/4" NPT vertical
MP0664A	N/A	M-66	1	Valve cap, outlet, 316 SS, 1/2" NPT vertical
MP0664B	N/A	M-66	1	Valve cap, outlet, Carpenter 20, 1/2" NPT vertical
MP0665A	138.00		1	Valve cap, outlet, 316 SS, 3/4" NPT vertical, MH Series
MP0665B	N/A		1	Valve cap, outlet, Carpenter 20, 3/4" NPT vertical, MH Series
MP0672A	N/A	M-67	1	Valve cap, inlet, cast iron, 3/8" NPT-USE MP0672B
MP0672B	163.00	M-67	1	Valve cap, inlet, 316 SS, 3/8" NPT
MP0672C	N/A	M-67	1	Valve cap, inlet, Carpenter 20, 3/8" NPT
MP0673A	143.00	M-67	1	Valve cap, inlet, 316 SS, 3/4" NPT, vertical
MP0673B	N/A	M-67	1	Valve cap, inlet, Carpenter 20, 3/4" NPT vertical
MP0674A	N/A	M-67	1	Valve cap, inlet, 316 SS, 1/2" NPT vertical
MP0674B	N/A	M-67	1	Valve cap, inlet, Carpenter 20, 1/2" NPT vertical
MP0675A	143.00		1	Valve cap, inlet, 316 SS, 3/4" NPT vertical, MH Series
MP0675B	N/A		1	Valve cap, inlet, Carpenter 20, 3/4" NPT vertical, MH Series
MP068A	4.00	M-68	2	Screw, valve cap flange, HH 3/8"-16 X 6", for metal sol head
MP068B	16.00	M-68	2	Screw, valve cap flange, HH 3/8"-16 X 7", for metal sol head
MP068C	18.00	M-126	2	Screw, valve cap flange, HH 3/8"-16 X 8", for plastic sol head
MP070	141.00	M-70	1	Motor mounting bracket
MP071	5.00	M-71	1	Support screw, motor mounting bracket, 5/16"-18 X 2.5"
MP072	0.75	M-72	1	Lock nut for support screw MP071, 5/16"-18
MP073	2.70	M-73	3	Screw, hex head, MP070 to MP010, HH 7/16"-14 X 7/8"
MP0802A	65.00	M-80-1	1	Coupling, flex, 5/8" X 5/8", L075, 56 frame motor, MH Series
MP0802B	53.00	M-80-1	1	Coupling, flex, 5/8" X 5/8", L070 for 56 frame motor, MF Series
MP0802C	70.00		1	Coupling, flex, 5/8" X 7/8", L075, 145 frame motor, MH Series
MP0812A	21.00	M-81-1	1	Spider, rubber, for L070 (4 prongs)
MP0812B	26.00	M-81-2	1	Spider, rubber, for L075 (6 prongs)
MP082A	32.00	M-82	1	Coupling Guard, Base Section
MP082B	17.00	M-82	1	Coupling Guard, Adjustable Section
MP082D	40.00	M-82	1	Coupling Guard, Complete Assembly
MP083	2.00	M-83	2	Screw for coupling guard, SH 1/4"-20 X 3/8"
MP100A	30.00	M-100	2	Valve body sleeve, 304 stainless steel
MP100B	N/A	M-100	2	Valve body sleeve, Carpenter 20
MP100C	44.00	M-100	2	Valve body sleeve, PVC
MP100D	42.00	M-100	2	Valve body sleeve, polypropylene
MP100E	59.00	M-100	2	Valve body sleeve, Kynar
MP101A	12.00	M-101	2	Valve seat, Neoprene

## Pump Repair Parts MF Series, continued

Part No.	Price each	Old No.	Qty	Description
MP101B	N/A	M-101	2	Valve seat, Buna
MP101C	14.00	M-101	2	Valve seat, Hypalon
MP101D	41.00	M-101	2	Valve seat, Viton
MP101E	53.00	M-101	2	Valve seat, Teflon
MP102A	9.00	M-102	2	Valve ball, 316 stainless steel
MP102B	71.00	M-102	2	Valve ball, ceramic
MP102C	126.00	M-102	2	Valve ball, Hastelloy C
MP102D	17.50	M-102	2	Valve ball, Teflon
MP103	10.50	M-103	2	Valve cushion, Teflon
MP104A	4.00	M-104	4	Valve gasket, Garlock 3000, Buna
MP104B	7.75	M-104	4	Valve gasket, Gortex, Teflon
MP106A	118.00	M-106	2	Valve seat, cone type valve, 303 SS
MP106B	N/A	M-106	2	Valve seat for cone type valve, Carpenter 20, USE MP106A
MP107A1	55.00	M-107	2	Valve stem & nut, cone type valves, 303 SS
MP107B1	N/A	M-107	2	Valve stem, Carpenter 20, DISCONTINUED, USE MP107A1
MP108A	8.00	M-108	2	Valve ring, Neoprene
MP108B	N/A	M-108	2	Valve ring, Buna
MP108C	N/A	M-108	2	Valve ring, Hypalon
MP108D	N/A	M-108	2	Valve ring, Viton
MP108E	30.00	M-108	2	Valve ring, Teflon
MP109A	14.50	M-209	2	Valve spring, M-200 type valves, 316SS
MP110	12.00	M-110	2	Valve spring, cone type valves, Carpenter 20
MP115A	146.00	M-115	2	Valve seat, rigid, M-115 type valve, 316 SS
MP115B	N/A	M-115	2	Valve seat, rigid, M-115 type valve, Carpenter 20
MP115C	N/A	M-115	2	Valve seat, rigid, M-115 type valve, Teflon, DISCONTINUED
MP119	46.00	M-119	2	Valve sleeve, for double valves
MP120A	250.00	M-120	1	Solution head, PVC
MP120B	560.00	M-120	1	Solution head, Teflon
MP120C	270.00	M-120	1	Solution head, polypropylene
MP121	49.00	M-121	1	Face flange for plastic solution heads, stainless steel
MP122	6.00	M-122	6	Screw, plastic solution head, HH 3/8"-16 X 2.75", SS
MP133	8.50	M-133	6	Screw, plastic head w DDB double diaphragm, 3/8"-16 X 3.75"
MP1232A	47.00	M-123	2	Inlet/outlet, PVC, 3/8" NPT
MP1232B	92.00	M-123	2	Inlet/outlet, Kynar, 3/8" NPT
MP1232C	46.00	M-123	2	Inlet/outlet, polypropylene, 3/8" NPT
MP1233A	57.00	M-123	2	Inlet/outlet, PVC, 3/4" NPT vertical
MP1233B	99.00	M-123	2	Inlet/outlet, Kynar, 3/4" NPT vertical
MP1233C	95.00	M-123	2	Inlet/outlet, polypropylene, 3/4" NPT vertical
MP1234A	N/A	M-123	2	Inlet/outlet, PVC, 1/2" NPT vertical
MP1234B	N/A	M-123	2	Inlet/outlet, Kynar, 1/2" NPT vertical
MP124	82.00	M-124	1	Valve flange, outlet, for plastic solution heads
MP125	84.00	M-125	1	Valve flange, inlet, for plastic solution heads
MP126B	22.00	M-126	2	Screw for valve cap flanges, HH 3/8"-16 X 10", for plastic solution
MP133	8.50	M-133	6	Screw, plastic head DDB dbl diaphragm, HH 3/8-16 X 3.75"
MP134A	85.00	M-134	1	Type DDB double diaphragm, secondary backup, Neoprene
MP134C	91.00	M-134	1	Type DDB double diaphragm, secondary backup, Hypalon
MP134D	315.00	M-134	1	Type DDB double diaphragm, secondary backup, Viton
MP136	185.00	M-38	1	Piston for Type DDB double diaphragm, 9/16-12 thread
MP140A	N/A	M-140	1	Spacer, Type DDB, w/ plugged drain hole, DISCONTINUED
MP140B	99.00	M-140	1	Spacer, Type DDB dbl diaphragm, w/ plugged drain hole, PVC
MP141	86.00	M-141	1	Secondary piston, Type DDB double diaphragm
MP165	11.00		6	Screw, metal solution head with DDB double diaphragm
MP200A	82.00	M-200	2	Valve body, Type M-200 spring loaded valves, 304 SS
MP200B	N/A	M-200	2	Valve body, Type M-200 spring loaded valves, Carpenter 20

Part No.	Price each	Old No.	Qty	Description
MP200C	42.00	M-200	2	Valve body, Type M-200 spring loaded valves, PVC
MP203	11.50	M-203	2	Valve cushion, Type M-200 spring loaded valves, Teflon
MP300A	203.00		1	Diaphragm, Neoprene
MP300C	214.00		1	Diaphragm, Hypalon
MP300D	457.00		1	Diaphragm, Viton
MP300E	288.00		1	Diaphragm, Teflon faced Neoprene
MP300F	513.00		1	Diaphragm, Teflon faced Viton
MP302B	47.00		2	Valve connector, PVC, 3/4" NPT
MP302C	138.00		2	Valve connector, Teflon, 3/4" NPT
MP303A	115.00		2	Valve body, 316 stainless steel
MP303B	64.00		2	Valve body, PVC
MP303C	231.00		2	Valve body, Kynar
MP304A	33.00		2	Valve ball, 316 stainless steel
MP304B	370.00		2	Valve ball, Hastelloy C
MP304C	230.00		2	Valve ball, Carpenter 20
MP304D	63.00		2	Valve ball, Viton
MP304E	37.00		2	Valve ball, Teflon
MP305	10.25		2	Ball cushion, Teflon
MP305A	15.00		2	Ball guide, Teflon, metal valves
MP306	50.00		2	Valve seat, Teflon (Rhulon glass filled Teflon)
MP306B	80.00		2	Valve seat, 304 stainless steel
MP306D	105.00		2	Valve seat, ceramic
MP306E	80.00		2	Valve seat, teflon
MP307	8.00		4	Valve gasket, Gortex Teflon
MP308A	33.00		2	Valve nipple, 316 stainless steel
MP308B	31.00		2	Valve bushing, PVC
MP308C	101.00		2	Valve bushing, Kynar
MP308E	31.00		2	Valve bushing, Polypropylene
MP309A	9.00		4	Valve cap flange screw, HH 3/8"-16 X 2.5"
MP309B	36.00		2	Valve cap flange screw, HH 3/8"-16 X 14"
MP314B	645.00		1	Solution head, 316 stainless steel
MP314C	N/A		1	Solution head, Carpenter 20
MP314D	545.00		1	Solution head, PVC
MP314E	1,250.00		1	Solution head, Teflon
MP315A	5.50		8	Screw, hex head, HH 1/2"-13 X 1.5"
MP315B	13.00		8	Screw, hex head, HH 1/2"-13 X 3.5"
MP315C	9.50		8	Screw, hex head, HH 1/2"-13 X 5"
MP316	80.00		1	Face flange for plastic solution head
MP317A	162.00		1	Secondary piston, standard
MP317B	162.00		1	Secondary piston, DDB
MP318	53.00		1	Piston extension, DDB
MP320	108.00		1	Valve flange, top, plastic solution head
MP321	112.00		1	Valve flange, bottom, plastic solution head
MP325	48.00		1	Footplate, solution head support, SS
MP326	6.60		2	Screw, hex head, HH 1/2"-13 X 3/4"
MP360A	176.00		1	Backup diaphragm, Neoprene
MP360C	190.00		1	Backup diaphragm, Hypalon
MP360D	435.00		1	Backup diaphragm, Viton
MP362A	N/A		1	Adapter ring, DDB double diaphragm, carbon steel
MP362B	510.00		1	Spacer, DDB double diaphragm, PVC
MP370A&B	862.00		1	Pump body

## Pump Repair Parts Price List, JN &amp; JR Series Parts

Part No.	Price, each	Old No.	Qty.	Description
JN010A	150.00		1	Pump body, simplex
JN011A-E	275.00		1	Gear reducer, specify pump model no.
JN012A	26.00		1	Drive shaft, simplex
JN012B	35.00		1	Drive shaft, duplex
JN013	19.00		1	Cover, gear reducer shaft outlet
JN015	1.00		4	Screw, M-14
JN016	5.00		1	Bushing, bronze
JN024	8.00		1	Set Screw, Worm Gear
JN040	36.00		1	Eccentric
JN044	37.00		1	Piston
JN049	27.00		1	Top plate
JN049A	4.50		1	Label for top plate, self adhesive
JN051	6.60		1	Gasket, Cover
JN053	8.00		1	Spring, Adjustment Knob
JN055	56.00		1	Stroke adjustment cam shaft
JR010S	N/A	JR-10-S	1	Pump body, obsolete
JR011	15.00	JR-11	4	Bushing
JR012	2.00	JR12	4	Expansion plug
MP022	2.50	JR-12	1	Oil plug
MP021	1.15	JR-15	4	Mounting screw, HH 1/4" -20 X 5/8"
MP016	93.00	JR-16	1	Bearing cap
MP017	16.00	JR-17	1	Oil seal
MP019	26.00	JR-19	2	Tapered roller bearing
MP020A	12.80	JR-20	1	Gasket set
MP021	1.15	JR-21	4	Screw, bearing cap, HH 1/4" -20 X 5/8"
JR022	N/A	JR-22	1	Worm drive shaft
JR023	N/A	JR-23	1	Worm gear
JR026S	N/A	JR-26-S	1	Drive shaft, bottom, simplex
JR027S	N/A	JR-27-S	1	Drive shaft, top, simplex
JR028	N/A	JR-28	4	Woodruff key
JR029	N/A	JR-29	1	Thrust collar
JR033	N/A	JR-33	1	Spur gear, 32 teeth
JR034	N/A	JR-34	1	Spur gear, 48 teeth
JR035	N/A	JR-35	1	Spur gear, 58 teeth
JR040	N/A	JR-40	1	Eccentric
JR042	68.00	JR-42	1	Roller bearing, for eccentric
JR044	N/A	JR-44	1	Piston
JR045	36.00	JR-45	1	Spring, for piston
JR046	25.00	JR-46	1	Retainer plate, for spring
JR047	1.50	JR-47	2	Screw, for retainer plate, FH 1/4" -20 X 1/2"
JR49S	N/A	JR-49-S	1	Cover assembly, simplex
JR051	N/A	JR-51	1	Gasket, cover
JR052	22.00	JR-52	1	Knob, stroke adjustment
JR055	N/A	JR-55	1	Stroke adjustment cam shaft
JR056	0.65	JR-56	1	Adjustment lock screw
JR058A	151.00	JR-58-A	1	Solution head, PVC
JR058B	298.00	JR-58-B	1	Solution head, 316 stainless steel
JR058C	N/A	JR-58-C	1	Solution head, Carpenter 20
JR058D	290.00	JR-58-D	1	Solution head, Teflon
JR059	5.75	JR-59	4	Screw, metal solution head, SH 5/16"-18 X 3/4"
JR060A	80.00	JR-60	1	Diaphragm, Neoprene
JR060B	180.00	JR-60	1	Diaphragm, Teflon faced
JR060C	N/A	JR-60	1	Diaphragm, Buna

Part No.	Price, each	Old No.	Qty	Description
JR060D	185.00	JR-60	1	Diaphragm, Viton
JR060E	110.00	JR-60	1	Diaphragm, Hypalon
JR062	63.00	JR-62	1	Face flange for plastic solution head, SS
JR063	5.00	JR-63	4	Screw, plastic solution head, HH 5/16"-18 X 1-3/4"
JR064	27.00	JR-64	1	Valve flange, top
JR065	29.00	JR-65	1	Valve flange, bottom
JR066	41.00	JR-66	2	Screw, valve flange
JR067A	43.00	JR-67-A	2	Valve body, PVC
JR067B	230.00	JR-67-B	2	Valve body, 304 stainless steel
JR067C	N/A	JR-67-C	2	Valve body, Carpenter 20
JR067D	72.00	JR-67-D	2	Valve body, Kynar
JR068	18.00	JR-68-B	4	Valve seat, Teflon (Rhulon glass filled Teflon)
JR068A-E	N/A	JR-68-A	4	Valve seat - DISCONTINUED, USE JR068
JR069	6.00	JR-69	4	Valve cushion, Teflon
JR070A	3.00	JR-70-A	4	Valve ball, 316 stainless steel
JR070B	23.00	JR-70-B	4	Valve ball, ceramic
JR070C	45.00	JR-70-C	4	Valve ball, Hastelloy C
JR071A	N/A	JR-71	2	Valve gasket, DISCONTINUED, USE JR071B
JR071B	4.15	JR-71	2	Valve gasket, Inertex, Teflon
JR072	4.55	JR-72	2	Snap ring, valve body
JR080	13.00	JR-80	1	Motor coupling, 5/8" X 1/2", L070, for 48 frame motor
JR081	N/A	JR-81	1	Motor mounting bracket
JR082	N/A	JR-82	1	Screw, motor mount support, HH 1/4"-20 X 3/8"
JR083	N/A	JR-83	3	Screw, motor bracket, HH 1/4"-20 X 3/8"
MP022	2.50	JR-84	1	Plug, drain
JR091A	42.00		1	Type DDB double diaphragm, backup, Neoprene
JR091D	56.00		1	Type DDB double diaphragm, backup, Viton
JR091E	33.00		1	Type DDB double diaphragm, backup, Hypalon
JR092	96.00		1	Spacer, Type DDB double diaphragm, PVC
JR093	184.00		1	Secondary piston, Type DDB double diaphragm

### Sample Cooler (Pump Seal Flush Cooler) Price List

Part No.	Price each	Max PSI	Description	Wt. lbs.
SC0001	430.00	300	Type 1, 1.3 sf copper coil area, cast iron head, 1/4" OD tube	15
SC0002	640.00	300	Type 1, 2.6 sf copper coil area, cast iron head, 1/4" OD tube	25
SC0003	710.00	1,200	Type 1, 1.3 sf 316 SS coil area, 316 SS head, 1/4" OD tube	15
SC0004	905.00	1,200	Type 1, 2.6 sf 316 SS coil area, 316 SS head, 1/4" OD tube	25
SC101	435.00	300	Type 2, 1.3 sf copper coil area, 1/4" OD tube	25
SC102	505.00	1,200	Type 2, 1.3 sf 316 SS coil area, 1/4" OD tube	25
SC103	620.00	250	Type 2, 1.9 sf copper coil area, 3/8" OD tube	30
SC105	610.00	1,200	Type 2, 1.9 sf 316 SS coil area, 3/8" OD tube	30
SC106	1,040.00	1,200	Type 2, 3.8 sf 316 SS coil area, 3/8" OD tube	50
SC107	1,095.00	5,000	Type 2, 3.8 sf 316 SS coil area, 3/8" OD tube	50
SC108	790.00	5,000	Type 2, 1.9 sf 316 SS coil area, 3/8" OD tube	30

## Orifice Meter Repair Parts Price List

Part Number	Price Each	Old Number Model 250	Old Number Model 650	Description (qty)
OM251	544.00	251		Top body casting, model OM250
OM252	47.00	252	652	Indicator plate
OM253	238.00	253	653	Stem for rotating disc
OM255	33.00	255	655	Packing for stem, set of 5
OM256	37.00	256	656	Ring for packing gland
OM257	108.00	257	657	Packing nut
OM258	308.00	258	658	Rotating index head, includes index band
OM259	2.00	259	659	Woodruff key for index head – 3/16 X ¾ #9
MP026	2.20	259	659	Woodruff key for index head – 3/16 X 5/8 #61
OM260	10.00	260	660	Acorn nut
OM261	28.00	261	661	Orifice index band
OM262	394.00	262	662	Rotating selector disc (requires OM264)
OM264	28.00	264	664	Ring for selector disc
OM265	62.00	265	665	Spring for selector disc
OM266	2.00	266		Nut for flange (6) for model OM250
MP050	1.25	267	667	Screw for indicator plate, OH 10-32 X 1/2" (2)
OM268	560.00	268		Hydraulic chamber casting, model OM250
OM003	18.00	269	669	Center outlet tube
OM270	11.00	270		Studs for flange, model OM250 (6)
OM271	3.00	271	671	Lock pins for orifice plate (2)
OM2721A	350.00	272	672	1A orifice plate
OM2722A	350.00	272	672	2A orifice plate
OM2723A	350.00	272	672	3A orifice plate
OM2724A	350.00	272	672	4A orifice plate
OM273	30.00	273	673	Stud for orifice plate
OM274	3.00	274	674	Nut for OM273 stud
OM275	11.00	275	675	Bottom gasket
OM276	11.00	276	676	Top gasket
OM278	405.00	278	678	Adjustment pinion
OM280	274.00	280		Sediment chamber, model OM250
OM281	67.00	281	681	Male union for sediment chamber
OM282	172.00	282	682	Hammer lock nut for union
OM283A	35.00	283	683	Filter screen cylinder
OM297	80.00	297	697	Double tapped fitting, 1-1/4" NPT X 3/4" NPT
OM298	182.00	298		Bronze valve, 3/4"
OM651	958.00		651	Top body casting, model OM650
OM666	3.00		666	Nut for flange, model OM650 (6)
OM668	833.00		668	Hydraulic chamber casting, model OM650
OM670	8.00		670	Stud, flange, model OM650 (6)
OM680	377.00		680	Sediment chamber, model OM650
OM698	283.00		698	Valve, forged steel, model OM650

**Blowdown Heat Recovery System Price List**

Part Number	Price, each	Capacity lbs/hour	Description
HC002A	2,310.00		High level alarm system, with Magnetrol float switch
HC450	18,100.00	4,000	Model HC40-150, 304 SS U-tube type heat exchanger
HC451	18,400.00	8,000	Model HC80-150, 304 SS U-tube type heat exchanger
HC452	19,500.00	12,000	Model HC120-150, 304 SS U-tube type heat exchanger
HC453	20,500.00	16,000	Model HC160-150, 304 SS U-tube type heat exchanger
HC454	21,500.00	20,000	Model HC200-150, 304 SS U-tube type heat exchanger
HC455	22,500.00	24,000	Model HC240-150, 304 SS U-tube type heat exchanger
HC456	23,500.00	28,000	Model HC280-150, 304 SS U-tube type heat exchanger
HC457	24,500.00	32,000	Model HC320-150, 304 SS U-tube type heat exchanger
HC458	25,500.00	36,000	Model HC360-150, 304 SS U-tube type heat exchanger
HC459	48,000.00	50,000	Model HC500-150, 304 SS U-tube type heat exchanger
HV030A	14,755.00	3,000	Vertical type, copper coil heat exchanger
HV030B	15,405.00	3,000	Vertical type, 304 SS coil heat exchanger
HV050A	15,750.00	5,000	Vertical type, copper coil heat exchanger
HV050B	16,495.00	5,000	Vertical type, 304 SS coil heat exchanger
HV070A	16,800.00	7,000	Vertical type, copper coil heat exchanger
HV070B	17,535.00	7,000	Vertical type, 304 SS coil heat exchanger
HV090A	17,850.00	9,000	Vertical type, copper coil heat exchanger
HV090B	18,585.00	9,000	Vertical type, 304 SS coil heat exchanger
HV120A	18,900.00	12,000	Vertical type, copper coil heat exchanger
HV120B	19,635.00	12,000	Vertical type, 304 SS coil heat exchanger
HV150A	19,950.00	15,000	Vertical type, copper coil heat exchanger
HV150B	20,685.00	15,000	Vertical type, 304 SS coil heat exchanger
HV-op1	800.00		Second manifold option
HX400A	7,505.00	2,500	Vertical blowdown heat exchanger, copper coil
HX400B	8,705.00	2,000	Vertical blowdown heat exchanger, 304 SS coil
HX450A	7,805.00	3,000	Vertical blowdown heat exchanger, copper coil
HX450B	8,995.00	2,500	Vertical blowdown heat exchanger, 304 SS coil
HX470A	8,305.00	3,500	Vertical blowdown heat exchanger, copper coil
HX470B	9,505.00	3,500	Vertical blowdown heat exchanger, 304 SS coil

**Orifice Meter Price List**

Part No.	Price, ea	Max PSI	Description	Weight lbs.
OM2501A	2,145.00	250	Orifice meter with orifice plate 1A installed	64
OM2502A	2,145.00	250	Orifice meter with orifice plate 2A installed	64
OM2503A	2,145.00	250	Orifice meter with orifice plate 3A installed	64
OM2504A	2,145.00	250	Orifice meter with orifice plate 4A installed	64
OM6501A	2,875.00	650	Orifice meter with orifice plate 1A installed	80
OM6502A	2,875.00	650	Orifice meter with orifice plate 2A installed	80
OM6503A	2,875.00	650	Orifice meter with orifice plate 3A installed	80
OM6504A	2,875.00	650	Orifice meter with orifice plate 4A installed	80

**Blowdown Separator Price List**

Part No.	Price, ea	Max PSI	Description (Diameter X height, inlet, drain, vent)
BD130A22	1,950.00	150	10" X 30", 3/4" NPT, 2-1/2" NPT, 2-1/2" NPT
BD130B23	2,000.00	150	10" X 30", 1" NPT, 2-1/2" NPT, 3" NPT
BD230C44	2,550.00	150	16" X 30", 1-1/4" NPT, 4" 150# flg, 4" 150# flg
BD230D45	2,600.00	150	16" X 30", 1-1/2" NPT, 4" 150# flg, 5" 150# flg
BD230E55	2,700.00	150	16" X 30", 2" NPT, 5" 150# flg, 5" 150# flg
BD242A34	2,790.00	300	16" X 42", 3/4" NPT, 3" 150# flg, 4" 150# flg
BD242B44	2,835.00	300	16" X 42", 1" NPT, 4" 150# flg, 4" 150# flg
BD242C45	2,880.00	300	16" X 42", 1-1/4" NPT, 4" 150# flg, 5" 150# flg
BD242D56	3,020.00	300	16" X 42", 1-1/2" NPT, 5" 150# flg, 6" 150# flg
BD242E68	3,060.00	300	16" X 42", 2" NPT, 6" 150# flg, 8" 150# flg
AC200	450.00		Aftercooler 2-1/2" X 20", 2-1/2" NPT inlet/drain, 3/4" NPT H2O inlet
AC300	475.00		Aftercooler 3" X 20", 3" 150# flg inlet/drain, 1" NPT H2O inlet
AC400	560.00		Aftercooler 4" X 20", 4" 150# flg inlet/drain, 1-1/4" NPT H2O inlet
AC500	690.00		Aftercooler 5" X 20", 5" 150# flg inlet/drain, 1-1/2" NPT H2O inlet
AC600	865.00		Aftercooler 6" X 20", 6" 150# flg inlet/drain, 1-1/2" NPT H2O inlet
AC800	1,020.00		Aftercooler 8" X 20", 8" 150# flg inlet/drain, 2" NPT H2O inlet
AC101	1,610.00	250	Temperature regulating valve, self op, bronze, 1/2"
AC102	1,840.00	140	Temperature regulating valve, self op, bronze, 3/4"
AC103	1,900.00	250	Temperature regulating valve, self op, bronze, 1"
AC104	2,165.00	250	Temperature regulating valve, self op, bronze, 1-1/4"
AC105	2,270.00	250	Temperature regulating valve, self op, bronze, 1-1/2"
AC106	2,460.00	250	Temperature regulating valve, self op, bronze, 2"
HX012B	80.00		Temperature gauge, bimetallic, 3" dial, 0-250° F, 1/2" NPT

**Bottom Blowdown Tank Price List**

Part No.	Description (Diameter X Shell length X OAH, vent, drain)	Price, ea	Price, per ft shell lgth
BD3600	36" X 30" X 70", 4", 3"	7,000.00	200.00
BD4200	42" X 42" X 85", 5", 3"	11,000.00	275.00
BD4800	48" X 48" X 94", 6", 4"	13,000.00	300.00
BD5400	54" X 66" X 116", 6", 4"	14,000.00	420.00
BD6000	60" X 72" X 125", 6", 4"	18,000.00	495.00
BD7200	72" X 96" X 155", 10", 4"	20,000.00	600.00

**Repair Parts Price List, HV Series blowdown heat recovery systems**

Model Number	Part no. Lower shell	Price each	Part no. Copper coil	Price each	Part no. 304 SS coil	Price Each
HV030	HV200A	3,400.00	HV301A	2,505.00	HV301B	3,315.00
HV050	HV201A	3,600.00	HV302A	2,840.00	HV302B	3,775.00
HV070	HV202A	3,800.00	HV303A	3,275.00	HV303B	4,305.00
HV090	HV203A	3,900.00	HV304A	3,570.00	HV304B	4,695.00
HV120	HV204A	4,100.00	HV305A	4,080.00	HV305B	5,340.00
HV150	HV205A	4,250.00	HV306A	4,300.00	HV306B	5,805.00

**Repair Parts Price List, blowdown heat recovery systems**

Part No.	Price each	Description
FV007	152.00	Valve seat, for H-30, H-50, H-70, HV030, HV050, HV070, 2 required
FV008	152.00	Valve seat, for H-90, H-120, HV090, HV120, 2 required
FV020	218.00	Float ball, stainless steel, vertical type systems
FV100A	1,410.00	Float valve with ball, for H-30, H-50, H-70, HV030, HV050, HV070
FV100B	1,410.00	Float valve with ball, for H-90, H-120, HV090, HV120
HC004	103.00	Pressure gauge, 0-30 psi
HC005	151.00	Temperature gauge, 0-150 degrees F.
HC005A	138.00	Bulb socket for temperature gauge, stainless steel, 1/2" NPT
HC006	162.00	Temperature gauge panel, HC and HV Series
HC007A	795.00	Drain valve, 1", for HC40-150 and HC80-150
HC007B	970.00	Drain valve, 1-1/4",for HC120
HC007C	1,145.00	Drain valve, 1-1/2",for HC160 and HC200
HC007D	2,097.00	Drain valve, 2",for HC240 through HC500
HC009	142.00	Gauge glass, HC Series, 24" long
HC010	14.50	Rod for gauge glass, for HC and HV Series
HC012	37.00	Hand hole gasket, 6" X 8"
HC013	210.00	Float ball, 6" X 8", for HC Series
HC024	71.00	Gasket for bonnet, 16.12" OD
HC044	14.00	Flange gasket, 3.5 " ID X 5.37" OD, for 3" 150# flange
HC044A	16.00	Flange, gasket, 4.5" ID X 6.75" OD, for 4" 150# flange
HC075	415.00	Hand hole cover, 6" X 8"
HC306	5,195.00	U tube bundle, 304 SS tubes, for model no. HC40-150
HC307	5,949.00	U tube bundle, 304 SS tubes, for model no. HC80-150
HC308	8,035.00	U tube bundle, 304 SS tubes, for model no. HC120-150
HV008	402.00	Valve set, for sight glass, brass, 3/4", for HC and HV Series
HV009A	217.00	Gauge glass, HV Series, 21.25" long
HV014	353.00	Hammerlock nut
HV023	86.00	Gasket, 12" 150# flange, for HV and HC Series, 2 required
HV024A	28.00	Gasket, HV Series HX coil installation, Asbestofree, 2.25" ID X 3.75" OD, 3 required
HV400	243.00	Gasket set of (5) for coil replacement: (2) HV023 and (3) HV024A

Standard terms: Net 30 days for accounts with approved credit, others by credit card.

Minimum billing: \$40.00 net. Freight: all orders are F.O.B. our Elkhart, IN plant, with no freight allowance.

**Madden Manufacturing, Inc.**

P.O. Box 387 1317 Princeton Blvd. Elkhart, IN 46515

Phone: (574) 295-4292 • FAX: (574) 295-7562

E-mail: info@maddenmfg.com