



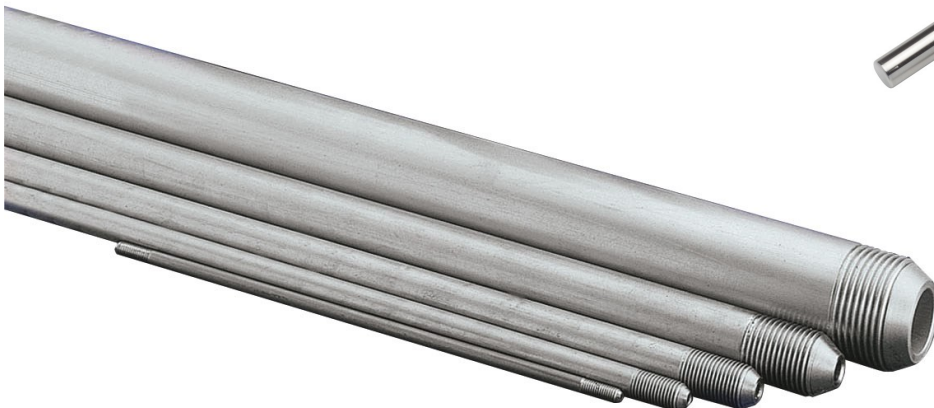
# High Pressure Equipment

A **GRACO**® Company



## *International Price List*

*Effective  
August 2022*





### Standard Terms

F.O.B. — Erie, PA

Cash Terms: Net 30 Days

Credit Cards Accepted

1% interest per month to be charged on all past due accounts. High Pressure Equipment Company reserves the right to change any of the prices shown in this list, without notice.

Not all available spare parts are shown in this price list. If you are unable to locate a given part, please contact our customer service department.

### Quantity Discounts

1-10 .....	Net
11-49 .....	Less 5%
50-99 .....	Less 10%
100+ .....	Consult factory

### Connection Components

All VALVES AND FITTINGS (except nipples) include necessary Glands and Collars (sleeves) where applicable. When Glands and Collars are not required, specify on order and deduct the following amounts *per opening*:

AF1.....	\$6.00	LF4.....	\$6.00	HF2.....	\$6.00	XF4.....	\$6.00
AF2.....	6.00	LF6.....	8.00	HF4.....	6.00	XF6.....	9.00
AF4.....	8.00	LF9.....	9.00	HF6.....	8.00		
AF6.....	8.00	LF12.....	15.00	HF9.....	9.00		
		LF16.....	22.00	HF16.....	22.00		

### Tubing

1/16" O.D. and 1/8" O.D. tubing can be coiled for shipment. All other sizes must be shipped straight. When ordering please note the following limitations and advise lengths desired:

U.P.S./Air Parcel Post/Federal Express.....	8 foot limit
Air Freight/Air Express.....	10 foot limit
Motor Freight.....	No limit

### Coning and Threading Charge

1/8" to 9/16" Tubing.....	\$14.00/end
3/4" and 1" Tubing.....	33.00/end

### Autofrettage Charge

\$ 48.00 per end includes coning and threading

### Certifications

Note: Price includes shipment via first class mail. Other certifications available upon request. Consult factory for price information and availability.

Chemical & Physical Test Reports .....	\$26.50
Certificate of Test .....	26.50
Certificate of Conformance.....	26.50
Tubing Specification.....	26.50
SGS Certificate.....	26.50
ABS Approval .....	Quoted by Factory
DNV Approval .....	Quoted by Factory
Lloyds Approval .....	Quoted by Factory



# High Pressure Equipment

A GRACO® Company

<b>Low Pressure Fittings &amp; Tubing</b>	<b>Taper Seal Bulkhead Couplings</b>	<b>Taper Seal Rupture Discs (Catalog Page 16)</b>
<b>Taper Seal Valves (Catalog Page 10)</b>	15-21AF1-B \$ 113.40	1,500 to 5,000 psi \$ 55.70
15-11AF1 \$ 184.80	15-21AF2-B \$ 119.70	5,500 to 15,000 psi \$ 76.70
15-11AF2 \$ 186.90	10-21AF4-B \$ 133.40	
10-11AF4 \$ 192.20	10-21AF6-B \$ 140.70	<b>Taper Seal Connection Components(Catalog Page 17)</b>
10-11AF6 \$ 200.60	<b>Taper Seal Caps</b>	<b>Glands</b>
15-12AF1 \$ 185.90	15-21AF1-C \$ 45.20	15-2AM1 \$ 15.80
15-12AF2 \$ 188.00	15-21AF2-C \$ 45.20	15-2AM2 \$ 15.80
10-12AF4 \$ 194.30	10-21AF4-C \$ 45.20	10-2AM4 \$ 16.80
10-12AF6 \$ 200.60	10-21AF6-C \$ 48.30	10-2AM6 \$ 17.90
15-13AF1 \$ 196.40	<b>Taper Seal Line Filters (Catalog Page 14)</b>	<b>Sleeves</b>
15-13AF2 \$ 226.80	15-51AF1 \$ 252.00	15-2A1 \$ 11.60
10-13AF4 \$ 236.30	15-51AF2 \$ 256.20	15-2A2 \$ 13.70
10-13AF6 \$ 241.50	10-51AF4 \$ 304.50	10-2A4 \$ 15.80
15-14AF1 \$ 195.30	10-51AF6 \$ 315.00	10-2A6 \$ 16.80
15-14AF2 \$ 225.80	<b>Taper Seal Ball Check Valves (Catalog Page 14)</b>	<b>Plugs</b>
10-14AF4 \$ 234.20	15-41AF1 \$ 186.90	15-7AM1 \$ 13.70
10-14AF6 \$ 241.50	15-41AF2 \$ 185.90	15-7AM2 \$ 16.80
15-15AF1 \$ 337.10	10-41AF4 \$ 192.20	10-7AM4 \$ 16.80
15-15AF2 \$ 342.30	10-41AF6 \$ 202.70	10-7AM6 \$ 17.90
10-15AF4 \$ 349.70	<b>Taper Seal Soft Seat Check Valves (Catalog Page 14)</b>	<b>Pipe Connection Valves (Catalog Page 20)</b>
10-15AF6 \$ 368.60	15-41AF1-T \$ 202.70	10-11NFA \$ 174.30
<b>Taper Seal Fittings (Catalog Page 12)</b>	15-41AF2-T \$ 211.10	10-11NFB \$ 174.30
<b>Elbows</b>	10-41AF4-T \$ 200.60	10-11NFC \$ 174.30
15-22AF1 \$ 67.20	10-41AF6-T \$ 214.20	10-11NFD \$ 264.60
15-22AF2 \$ 71.40	<b>Taper Seal Safety Heads (Catalog Page 15)</b>	10-12NFA \$ 174.30
10-22AF4 \$ 88.20	10-61AM4 \$ 175.40	10-12NFB \$ 174.30
10-22AF6 \$ 98.70	10-61AM6 \$ 176.40	10-12NFC \$ 175.40
<b>Tees</b>	15-63AF1 \$ 244.70	10-12NFD \$ 266.70
15-23AF1 \$ 80.90	15-63AF2 \$ 246.80	
15-23AF2 \$ 87.20	10-63AF4 \$ 256.20	
10-23AF4 \$ 112.40	10-63AF6 \$ 259.40	
10-23AF6 \$ 122.90	15-61AF1 \$ 213.20	
<b>Crosses</b>	15-61AF2 \$ 215.30	
15-24AF1 \$ 104.00	10-61AF4 \$ 217.40	
15-24AF2 \$ 108.20	10-61AF6 \$ 219.50	
10-24AF4 \$ 134.40		
10-24AF6 \$ 153.30		



# High Pressure Equipment

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Pipe Connection Valves (Catalog Page 21)		Crosses		Soft Seat Check Valves	
15F-11NFA	\$ 172.20	15-24NFA 1/8" NPT	\$ 119.70	15-41NFB-T 1/4" NPT	\$ 239.40
15F-11NFB	\$ 172.20	15-24NFB 1/4" NPT	\$ 119.70	15-41NFC-T 3/8" NPT	\$ 239.40
15F-11NFC	\$ 172.20	15-24NFC 3/8" NPT	\$ 119.70	15-41NFD-T 1/2" NPT	\$ 241.50
15F-11NFD	\$ 257.30	15-24NFD 1/2" NPT	\$ 134.40	10-41NFF-T 3/4" NPT	\$ 620.60
10F-11NFF	\$ 1,115.10	10-24NFF 3/4" NPT	\$ 340.20	10-41NFH-T 1" NPT	\$ 924.00
10F-11NFH	\$ 1,490.00	10-24NFH 1" NPT	\$ 501.90		
15F-12NFA	\$ 172.20			<b>Safety Heads</b>	
15F-12NFB	\$ 172.20	<b>Couplings</b>		15-61NMA 1/8" Male NPT	\$ 189.00
15F-12NFC	\$ 172.20	15-21NFA 1/8" NPT	\$ 87.20	15-61NMB 1/4" Male NPT	\$ 189.00
15F-12NFD	\$ 260.40	15-21NFB 1/4" NPT	\$ 87.20	15-61NMC 3/8" Male NPT	\$ 189.00
10F-12NFF	\$ 1,134.00	15-21NFC 3/8" NPT	\$ 87.20	15-61NMD 1/2" Male NPT	\$ 224.70
10F-12NFH	\$ 1,490.00	15-21NFD 1/2" NPT	\$ 108.20		
		10-21NFF 3/4" NPT	\$ 186.90	<b>Hex Nipples</b>	
		10-21NFH 1" NPT	\$ 189.00	15-21NMANMA 1/8" Male NPT	\$ 76.70
<b>NPT Fittings</b>				15-21NMBNMB 1/4" Male NPT	\$ 76.70
<b>Elbows</b>		<b>Line Filters</b>		15-21NMCNMC 3/8" Male NPT	\$ 76.70
15-22NFA 1/8" NPT	\$ 77.70	15-51NFB 1/4" NPT	\$ 261.50	15-21NMDNMD 1/2" Male NPT	\$ 76.70
15-22NFB 1/4" NPT	\$ 77.70	15-51NFC 3/8" NPT	\$ 261.50	10-21NMFNMF 3/4" NPT	\$ 112.40
15-22NFC 3/8" NPT	\$ 77.70	15-51NFD 1/2" NPT	\$ 308.70	10-21NMHNMH 1" NPT	\$ 184.80
15-22NFD 1/2" NPT	\$ 87.20				
10-22NFF 3/4" NPT	\$ 193.20	<b>Ball Check Valves</b>			
10-22NFH 1" NPT	\$ 315.00	15-41NFB 1/4" NPT	\$ 231.00		
		15-41NFC 3/8" NPT	\$ 231.00		
<b>Tees</b>		15-41NFD 1/2" NPT	\$ 279.30		
15-23NFA 1/8" NPT	\$ 110.30	10-41NFF 3/4" NPT	\$ 603.80		
15-23NFB 1/4" NPT	\$ 113.40	10-41NFH 1" NPT	\$ 853.70		
15-23NFC 3/8" NPT	\$ 113.40				
15-23NFD 1/2" NPT	\$ 113.40				
10-23NFF 3/4" NPT	\$ 254.10				
10-23NFH 1" NPT	\$ 353.90				

Taper Seal Tubing (Catalog Page 16)				Price/Foot	Price/Foot	Price/Foot
Size		Material	Catalog No.	0-200 Feet	201-500 Feet	501+ Feet
1/16" O.D. x 0.006"	I.D.	316 S.S.	15-9A1-006	\$12.10	\$11.80	\$10.80
1/16" O.D. x 0.030"	I.D.	316 S.S.	15-9A1-030	\$11.80	\$11.00	\$10.80
1/8" O.D. x 0.060"	I.D.	316 S.S.	15-9A2	\$12.10	\$11.80	\$11.60
1/8" O.D. x 0.060"	I.D.	Hastelloy-C	15-9A2-HC276	\$38.90	\$37.80	\$34.10
1/4" O.D. x 1/8"	I.D.	316 S.S.	10-9A4-316	\$18.90	\$18.10	\$17.90
1/4" O.D. x 1/8"	I.D.	304 S.S.	10-9A4-304	\$16.55	\$15.50	\$15.25
3/8" O.D. x 1/4"	I.D.	316 S.S.	10-9A6-316	\$24.90	\$24.70	\$23.60

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<b>Medium Pressure Valves</b>	20-12LF6-R	\$ 414.80	<b>Medium Pressure</b>	
<b>Fittings &amp; Tubing</b>	20-12LF9-R	\$ 498.80	<b>Bulkhead Couplings</b>	
<b>Medium Pressure Valves</b>	20-12LF12-R	\$ 1,669.50	<b>(Catalog Page 33)</b>	
<b>(Catalog Page 30)</b>	20-12LF16-R	\$ 2,006.60	20-21LF4-B	\$ 140.70
20-11LF4	10-12LF12-R	\$ 2,064.30	20-21LF6-B	\$ 167.00
20-11LF6	10-12LF16-R	\$ 2,096.90	20-21LF9-B	\$ 216.30
20-11LF9			20-21LF12-B	\$ 421.10
20-11LF12	<b>Medium Pressure Fittings</b>		20-21LF16-B	\$ 611.10
20-11LF16	<b>(Catalog Page 32)</b>		15-21LF24-B	\$ 1,754.60
10-11LF16	<b>Elbows</b>			
10-11LF12	20-22LF4	\$ 57.80	<b>Medium Pressure Caps</b>	
20-12LF4	20-22LF6	\$ 77.70	<b>(Catalog Page 33)</b>	
20-12LF6	20-22LF9	\$ 95.60	20-21LF4-C	\$ 53.60
20-12LF9	20-22LF12	\$ 202.70	20-21LF6-C	\$ 57.80
20-12LF12	20-22LF16	\$ 348.60	20-21LF9-C	\$ 73.50
20-12LF16	15-22LF24	\$ 1,499.40	20-21LF12-C	\$ 104.00
10-12LF12	<b>Tees</b>		20-21LF16-C	\$ 140.70
10-12LF16	20-23LF4	\$ 77.70	15-21LF24-C	\$ 550.20
20-13LF4	20-23LF6	\$ 88.20		
20-13LF6	20-23LF9	\$ 131.30	<b>Medium Pressure Line Filters</b>	
20-13LF9	20-23LF12	\$ 270.90	<b>(Catalog Page 34)</b>	
20-13LF12	20-23LF16	\$ 411.60	20-51LF4	\$ 282.50
20-13LF16	15-23LF24	\$ 1,806.00	20-51LF6	\$ 303.50
10-13LF12	<b>Crosses</b>		20-51LF9	\$ 461.00
10-13LF16	20-24LF4	\$ 94.50		
20-14LF4	20-24LF6	\$ 107.10	<b>Medium Pressure Ball Check</b>	
20-14LF6	20-24LF9	\$ 164.90	<b>Valves(Catalog Page 34)</b>	
20-14LF9	20-24LF12	\$ 367.50	20-41LF4	\$ 188.00
20-14LF12	20-24LF16	\$ 558.60	20-41LF6	\$ 194.30
20-14LF16	15-24LF24	\$ 2,051.70	20-41LF9	\$ 260.40
10-14LF12			20-41LF12	\$ 737.10
10-14LF16	<b>Medium Pressure Union Couplings</b>		20-41LF16	\$ 1,169.70
20-15LF4	<b>(Catalog Page 33)</b>		10-41LF16	\$ 1,035.30
20-15LF6	20-21LF4-U	\$ 95.60		
20-15LF9	20-21LF6-U	\$ 107.10	<b>Medium Pressure Soft Seat</b>	
20-15LF12	20-21LF9-U	\$ 143.90	<b>Check Valves</b>	
20-15LF16	20-21LF12-U	\$ 238.40	<b>(Catalog Page 34)</b>	
10-15LF12	20-21LF16-U	\$ 323.40	20-41LF4-T	\$ 198.50
10-15LF16	15-21LF24-U	\$ 1,046.90	20-41LF6-T	\$ 215.30
20-12LF4-R			20-41LF9-T	\$ 259.40
			20-41LF12-T	\$ 735.00
			20-41LF16-T	\$ 1,121.40
			10-41LF16-T	\$ 1,035.30



# High Pressure Equipment

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<b>Medium Pressure Safety Heads</b> (Catalog Page 35)		<b>Collet Body</b>		10-LM16-10	\$ 116.60
20-61LM4	\$ 171.20	2-8768	\$ 48.30	10-LM16-12	\$ 136.50
20-61LM6	\$ 176.40	2-8771	\$ 39.90	20-LM16-6	\$ 106.10
20-61LM9	\$ 193.20	2-8774	\$ 55.70	20-LM16-8	\$ 115.50
20-61LM12	\$ 406.40	2-8777	\$ 59.90	20-LM16-10	\$ 136.50
20-61LM16	\$ 430.50	2-8780	\$ 85.10	20-LM16-12	\$ 158.60
<b>Medium Pressure Rupture Discs</b> (Catalog Page 36)		<b>Medium Pressure Nipples (316 S.S.)</b> (Catalog Page 38)		15-LM24-6	\$ 288.80
1,500 to 5,000 psi	\$ 55.70	20-LM4-2.75	\$ 23.10	15-LM24-8	\$ 331.80
5,500 to 20,000 psi	\$ 76.70	20-LM4-6	\$ 29.40	15-LM24-10	\$ 351.80
<b>Medium Pressure Anti-Vibration</b> (Catalog Page 37)		20-LM4-8	\$ 31.50	15-LM24-12	\$ 389.60
<b>Gland Assembly</b>		20-LM4-10	\$ 37.80	<b>Medium Pressure Connection Components</b> (Catalog Page 39)	
20-3LM4	\$ 76.70	20-LM4-12	\$ 46.20	<b>Glands</b>	
20-3LM6	\$ 80.90	20-LM6-3	\$ 27.30	20-2LM4	\$ 13.70
20-3LM9	\$ 98.70	20-LM6-6	\$ 38.90	20-2LM6	\$ 16.80
20-3LM12	\$ 112.40	20-LM6-8	\$ 46.20	20-2LM9	\$ 21.00
20-3LM16	\$ 186.90	20-LM6-10	\$ 48.30	20-2LM12	\$ 29.40
<b>Component Parts</b>		20-LM6-12	\$ 54.60	20-2LM16	\$ 46.20
<b>Slotted Collet</b>		20-LM9-4	\$ 46.20	15-2LM24	\$ 138.60
2-8769	\$ 25.20	20-LM9-6	\$ 53.60	<b>Collars</b>	
2-8772	\$ 25.20	20-LM9-8	\$ 60.90	20-2L4	\$ 11.60
2-8775	\$ 51.50	20-LM9-10	\$ 73.50	20-2L6	\$ 13.70
2-8778	\$ 52.50	20-LM9-12	\$ 80.90	20-2L9	\$ 16.80
2-8781	\$ 101.90	10-LM12-4	\$ 60.90	20-2L12	\$ 17.90
<b>Collet Gland</b>		10-LM12-6	\$ 63.00	20-2L16	\$ 26.30
2-8770	\$ 30.50	10-LM12-8	\$ 86.10	15-2L24	\$ 98.70
2-8773	\$ 32.60	10-LM12-10	\$ 95.60	<b>Plugs</b>	
2-8776	\$ 25.20	10-LM12-12	\$ 110.30	20-7LM4	\$ 16.80
2-8779	\$ 32.60	20-LM12-4	\$ 63.00	20-7LM6	\$ 17.90
2-8782	\$ 39.90	20-LM12-6	\$ 72.50	20-7LM9	\$ 25.20
		20-LM12-8	\$ 90.30	20-7LM12	\$ 32.60
		20-LM12-10	\$ 113.40	20-7LM16	\$ 57.80
		20-LM12-12	\$ 115.50	15-7LM24	\$ 173.30
		10-LM16-6	\$ 91.40		
		10-LM16-8	\$ 106.10		

### Medium Pressure Tubing (Catalog Page 38)

Size	Material	Catalog No.	Price/Foot 0-200 Feet	Price/Foot 201-500 Feet	Price/Foot 501+ Feet
1/4" O.D. x 0.109" I.D.	316 S.S.	20-9M4-316	\$20.25	\$18.90	\$17.90
3/8" O.D. x 0.203" I.D.	316 S.S.	20-9M6-316	\$24.95	\$23.70	\$22.60
9/16" O.D. x 0.312" I.D.	304 S.S.	20-9M9-304	\$29.40	\$27.30	\$27.00
9/16" O.D. x 0.359" I.D.	316 S.S.	10-9M9-316	\$38.90	\$37.80	\$36.50
9/16" O.D. x 0.312" I.D.	316 S.S.	20-9M9-316	\$36.75	\$35.40	\$33.10
3/4" O.D. x 0.516" I.D.	316 S.S.	10-9M12-316	\$49.60	\$47.25	\$47.00
3/4" O.D. x 0.438" I.D.	316 S.S.	20-9M12-316	\$52.00	\$49.60	\$47.25
1" O.D. x 0.688" I.D.	316 S.S.	10-9M16-316	\$73.00	\$69.60	\$68.25
1" O.D. x 0.562" I.D.	316 S.S.	20-9M16-316	\$79.00	\$77.70	\$75.40
1.5" O.D. x 0.938" I.D.	316 S.S.	15-9M24-316	\$163.60	\$160.10	\$158.90

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<b>High Pressure Valves, Fittings &amp; Tubing</b>	<b>High Pressure Valves (Catalog Page 46)</b>	<b>Crosses</b>
<b>High Pressure Valves (Catalog Page 42)</b>		
30-11HF2 \$ 201.60	60-11HF2 \$ 226.80	60-24HF2 \$ 122.90
30-11HF4 \$ 192.20	60-11HF4 \$ 225.80	60-24HF4 \$ 108.20
30-11HF6 \$ 215.30	60-11HF6 \$ 257.30	60-24HF6 \$ 141.80
30-11HF9 \$ 279.30	60-11HF9 \$ 311.90	60-24HF9 \$ 200.60
30-11HF16 \$ 1,858.50	60-12HF2 \$ 226.80	40-24HF9 \$ 203.70
40-11HF9 \$ 317.10	60-12HF4 \$ 226.80	30-24HF16 \$ 666.80
30-12HF2 \$ 206.90	60-12HF6 \$ 259.40	
30-12HF4 \$ 192.20	60-12HF9 \$ 314.00	<b>High Pressure Union Couplings (Catalog Page 49)</b>
30-12HF6 \$ 215.30	60-13HF2 \$ 279.30	60-21HF2-U \$ 131.30
30-12HF9 \$ 279.30	60-13HF4 \$ 266.70	60-21HF4-U \$ 108.20
30-12HF16 \$ 1,948.80	60-13HF6 \$ 327.60	60-21HF6-U \$ 131.30
40-12HF9 \$ 317.10	60-13HF9 \$ 416.90	60-21HF9-U \$ 179.60
30-13HF2 \$ 257.30	60-14HF2 \$ 284.60	40-21HF9-U \$ 183.80
30-13HF4 \$ 223.70	60-14HF4 \$ 275.10	30-21HF16-U \$ 423.20
30-13HF6 \$ 294.00	60-14HF6 \$ 327.60	
30-13HF9 \$ 387.50	60-14HF9 \$ 421.10	<b>High Pressure Bulkhead Couplings (Catalog Page 49)</b>
30-13HF16 \$ 2,159.90	60-15HF2 \$ 422.10	60-21HF2-B \$ 168.00
40-13HF9 \$ 444.20	60-15HF4 \$ 421.10	60-21HF4-B \$ 119.70
30-14HF2 \$ 257.30	60-15HF6 \$ 494.60	60-21HF6-B \$ 148.10
30-14HF4 \$ 224.70	60-15HF9 \$ 612.20	60-21HF9-B \$ 193.20
30-14HF6 \$ 295.10	60-12HF2-R \$ 342.30	40-21HF9-B \$ 200.60
30-14HF9 \$ 388.50	60-12HF4-R \$ 372.80	30-21HF16-B \$ 700.40
30-14HF16 \$ 2,159.90	60-12HF6-R \$ 421.10	
40-14HF9 \$ 444.20	60-12HF9-R \$ 542.90	<b>High Pressure Caps (Catalog Page 49)</b>
30-15HF2 \$ 345.50		60-21HF2-C \$ 52.50
30-15HF4 \$ 306.60	<b>High Pressure Fittings (Catalog Page 48)</b>	60-21HF4-C \$ 55.70
30-15HF6 \$ 480.90	<b>Elbows</b>	60-21HF6-C \$ 85.10
30-15HF9 \$ 494.60	60-22HF2 \$ 78.80	60-21HF9-C \$ 89.30
30-15HF16 \$ 3,802.10	60-22HF4 \$ 71.40	40-21HF9-C \$ 95.60
40-15HF9 \$ 637.40	60-22HF6 \$ 94.50	30-21HF16-C \$ 133.40
30-12HF2-R \$ 310.80	60-22HF9 \$ 133.40	
30-12HF4-R \$ 321.30	40-22HF9 \$ 140.70	<b>High Pressure Line Filters (Catalog Page 50)</b>
30-12HF6-R \$ 388.50	30-22HF16 \$ 390.60	60F-51HF2 \$ 286.70
30-12HF9-R \$ 472.50		60F-51HF4 \$ 281.40
30-12HF16-R \$ 2,385.60	<b>Tees</b>	60F-51HF6 \$ 303.50
40-12HF9-R \$ 560.70	60-23HF2 \$ 101.90	60F-51HF9 \$ 389.60
	60-23HF4 \$ 95.60	40F-51HF9 \$ 399.00
	60-23HF6 \$ 112.40	
	60-23HF9 \$ 173.30	
	40-23HF9 \$ 175.40	
	30-23HF16 \$ 470.40	

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<b>High Pressure Ball Check Valves</b> (Catalog Page 50)		40-63HF9	\$ 297.20	<b>High Pressure Nipples (316 S.S.)</b> (Catalog Page 54)	
60-41HF2	\$ 206.90	60-61HF2	\$ 207.90	60-HM2-2	\$ 22.10
60-41HF4	\$ 194.30	60-61HF4	\$ 207.90	60-HM2-3	\$ 22.10
60-41HF6	\$ 244.70	60-61HF6	\$ 213.20	60-HM2-4	\$ 23.10
60-41HF9	\$ 300.30	60-61HF9	\$ 254.10	60-HM2-6	\$ 26.30
40-41HF9	\$ 303.50	40-61HF9	\$ 259.40	60-HM2-9	\$ 29.40
30-41HF16	\$ 1,224.30	<b>High Pressure Anti-Vibration</b> (Catalog Page 53)		60-HM2-12	\$ 33.60
<b>High Pressure Soft Seat</b> <b>Check Valves</b> (Catalog Page 50)		<b>Gland Assembly</b>		30-HM2-2	\$ 22.10
30-41HF2-T	\$ 220.50	60-3HM4	\$ 37.80	30-HM2-3	\$ 22.10
30-41HF4-T	\$ 198.50	60-3HM6	\$ 32.60	30-HM2-4	\$ 23.10
30-41HF6-T	\$ 224.70	60-3HM9	\$ 50.40	30-HM2-6	\$ 26.30
30-41HF9-T	\$ 260.40	<b>Component Parts</b>		30-HM2-9	\$ 29.40
60-41HF4-T	\$ 234.20	<b>Slotted Collet</b>		30-HM2-12	\$ 33.60
60-41HF6-T	\$ 259.40	2-8784	\$ 21.00	60-HM4-2.75	\$ 23.10
60-41HF9-T	\$ 310.80	2-8786	\$ 17.90	60-HM4-6	\$ 29.40
40-41HF9-T	\$ 321.30	2-8788	\$ 17.90	60-HM4-8	\$ 33.60
30-41HF16-T	\$ 1,239.00	<b>Collet Gland</b>		60-HM4-10	\$ 41.00
<b>High Pressure Excess Surge</b> <b>Check Valves</b> (Catalog Page 51)		2-8783	\$ 17.90	60-HM4-12	\$ 47.30
60-41HF9-E	\$ 317.10	2-8785	\$ 23.10	60-HM6-3	\$ 29.40
Bushing 2-0888	\$ 77.70	2-8787	\$ 26.30	60-HM6-6	\$ 41.00
<b>High Pressure Rupture Discs</b> (Catalog Page 51)		<b>Collar</b>		60-HM6-8	\$ 47.30
1,500 to 5,000 psi	\$ 55.70	60-2H4	\$ 11.60	60-HM6-10	\$ 51.50
5,500 to 65,000 psi	\$ 76.70	60-2H6	\$ 13.70	60-HM6-12	\$ 54.60
<b>High Pressure Safety Heads</b> (Catalog Page 52)		60-2H9	\$ 16.80	60-HM9-4	\$ 47.30
60-61HM4	\$ 172.20	<b>High Pressure Nipples (316 S.S.)</b>		60-HM9-6	\$ 56.70
60-61HM6	\$ 172.20			60-HM9-8	\$ 58.80
60-61HM9	\$ 200.60			60-HM9-10	\$ 73.50
40-61HM9	\$ 202.70			60-HM9-12	\$ 83.00
30-61HM16	\$ 461.00			40-HM9-4	\$ 48.30
60-63HF2	\$ 245.70			40-HM9-6	\$ 56.70
60-63HF4	\$ 245.70			40-HM9-8	\$ 68.30
60-63HF6	\$ 246.80			40-HM9-10	\$ 77.70
60-63HF9	\$ 288.80			40-HM9-12	\$ 86.10
				30-HM16-6	\$ 109.20
				30-HM16-8	\$ 121.80
				30-HM16-10	\$ 136.50
				30-HM16-12	\$ 161.70

High Pressure Equipment Company

P.O. Box 8248 - 2955 West 17th St., Ste 6 - Erie, PA 16505 USA - Phone: (814)835-2028 - 1(800)289-7447

highpressure.com - Email: Sales@highpressure.com





# High Pressure Equipment

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<b>High Pressure Nipples (304 S.S.)</b>		60-HM9-8	\$ 48.30	<b>Collars</b>	
<b>(Catalog Page 54)</b>		60-HM9-10	\$ 53.60	60-2H2	\$ 11.60
60-HM4-2.75	\$ 23.10	60-HM9-12	\$ 57.80	60-2H4	\$ 11.60
60-HM4-6	\$ 27.30			60-2H6	\$ 13.70
60-HM4-8	\$ 33.60			60-2H9	\$ 16.80
60-HM4-10	\$ 37.80	<b>High Pressure</b>		30-2H16	\$ 27.30
60-HM4-12	\$ 41.00	<b>Components</b>		<b>Plugs</b>	
60-HM6-3	\$ 27.30	<b>(Catalog Page 55)</b>		60-7HM2	\$ 16.80
60-HM6-6	\$ 38.90	<b>Glands</b>		60-7HM4	\$ 16.80
60-HM6-8	\$ 44.10	60-2HM2	\$ 16.80	60-7HM6	\$ 17.90
60-HM6-10	\$ 47.30	60-2HM4	\$ 16.80	60-7HM9	\$ 22.10
60-HM6-12	\$ 47.30	60-2HM6	\$ 17.90	40-7HM9	\$ 22.10
60-HM9-4	\$ 38.90	60-2HM9	\$ 25.20	30-7HM16	\$ 57.80
60-HM9-6	\$ 46.20	30-2HM16	\$ 48.30		

## High Pressure Tubing (Catalog Page 54)

Size	Material	Catalog No.	Price/Foot 0-200 Feet	Price/Foot 201-500 Feet	Price/Foot 501+Feet
1/8" O.D. x .020" I.D.	316 S.S.	60-9H2	\$14.45	\$14.20	\$13.10
1/8" O.D. x .040" I.D.	316 S.S.	30-9H2	\$14.45	\$14.20	\$13.10
1/4" O.D. x .083" I.D.	316 S.S.	60-9H4-316	\$20.20	\$18.90	\$17.90
1/4" O.D. x .083" I.D.	304 S.S.	60-9H4-304	\$16.80	\$16.55	\$16.30
1/4" O.D. x .083" I.D.	HC276	60-9H4-HC276	\$67.20	\$64.85	\$62.50
3/8" O.D. x 1/8" I.D.	316 S.S.	60-9H6-316	\$28.40	\$27.30	\$26.00
3/8" O.D. x 1/8" I.D.	304 S.S.	60-9H6-304	\$22.60	\$21.30	\$20.20
9/16" O.D. x 1/4" I.D.	316 S.S.	40-9H9-316	\$37.80	\$35.45	\$34.10
9/16" O.D. x 1/4" I.D.	304 S.S.	40-9H9-304	\$33.10	\$31.80	\$30.70
9/16" O.D. x 3/16" I.D.	316 S.S.	60-9H9-316	\$47.25	\$44.90	\$43.60
9/16" O.D. x 3/16" I.D.	316 SGS	60-9H9-316-SGS	\$40.20	\$38.90	\$37.80
9/16" O.D. x 3/16" I.D.	304 S.S.	60-9H9-304	\$35.45	\$33.10	\$31.80
1" O.D. x .437" I.D.	316 S.S.	30-9H16-316	\$79.00	\$76.70	\$75.35





# High Pressure Equipment

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<b>Specialty Valves</b>		<b>.500 Orifice</b>		<b>Trunion Style Three Way Ball Valves</b>	
<b>Two Way Ball Valves</b>		10-80LF12	\$ 1,833.30	<b>(Catalog Page 72)</b>	
<b>(Catalog Page 70)</b>		10-80LF16	\$ 1,833.30	<b>.375 Orifice (90°)</b>	
15-16AF1	\$ 507.20	10-80NFF	\$ 1,833.30	10-76AF6	\$ 720.30
15-16AF2	\$ 514.50	10-80NFB	\$ 1,833.30	15-76LF9	\$ 720.30
10-16AF4	\$ 531.30	<b>Trunion Style Three Way Ball Valves</b>		15-76LF12	\$ 720.30
10-16AF6	\$ 510.30	<b>(Catalog Page 72)</b>		15-76LF16	\$ 720.30
20-16LF4	\$ 510.30	<b>.187 Orifice (90°)</b>		15-76NFB	\$ 720.30
20-16LF6	\$ 514.50	15-73AF1	\$ 540.80	15-76NFC	\$ 720.30
20-16LF9	\$ 531.30	15-73AF2	\$ 540.80	15-76NFD	\$ 720.30
20-16HF2	\$ 510.30	10-73AF4	\$ 540.80	<b>.500 Orifice (90)</b>	
20-16HF4	\$ 510.30	10-73AF6	\$ 540.80	10-82LF12	\$ 2,039.10
20-16HF6	\$ 514.50	20-73LF4	\$ 540.80	10-82LF16	\$ 2,039.10
20-16HF9	\$ 532.40	20-73LF6	\$ 540.80	10-82NFF	\$ 2,039.10
15-16NFA	\$ 453.60	20-73LF9	\$ 540.80	10-82NFH	\$ 2,039.10
15-16NFB	\$ 453.60	20-73HF4	\$ 540.80	<b>.375 Orifice (180°)</b>	
15-16NFC	\$ 453.60	20-73HF6	\$ 540.80	10-75AF6	\$ 720.30
15-16NFD	\$ 453.60	20-73HF9	\$ 540.80	15-75LF9	\$ 720.30
<b>Trunion Style Two Way Ball Valves</b>		15-73NFA	\$ 540.80	15-75LF12	\$ 720.30
<b>(Catalog Page 71)</b>		15-73NFB	\$ 540.80	15-75LF16	\$ 720.30
<b>.187 Orifice</b>		15-73NFC	\$ 540.80	15-75NFB	\$ 720.30
15-71AF1	\$ 493.50	<b>.187 Orifice (180°)</b>		15-75NFC	\$ 720.30
15-71AF2	\$ 493.50	15-72AF1	\$ 540.80	15-75NFD	\$ 720.30
10-71AF4	\$ 493.50	15-72AF2	\$ 540.80	<b>.500 Orifice (180)</b>	
10-71AF6	\$ 493.50	10-72AF4	\$ 540.80	10-81LF12	\$ 2,039.10
20-71LF4	\$ 493.50	10-72AF6	\$ 540.80	10-81LF16	\$ 2,039.10
20-71LF6	\$ 493.50	20-72LF4	\$ 540.80	10-81NFF	\$ 2,039.10
20-71LF9	\$ 493.50	20-72LF6	\$ 540.80	10-81NFH	\$ 2,039.10
20-71HF4	\$ 493.50	20-72LF9	\$ 540.80	<b>Mini Three Way Ball Valves</b>	
20-71HF6	\$ 493.50	20-72HF4	\$ 540.80	10-77LF4	\$ 295.10
20-71HF9	\$ 493.50	20-72HF6	\$ 540.80	10-77LF6	\$ 295.10
15-71NFA	\$ 493.50	20-72HF9	\$ 540.80	10-77LF9	\$ 295.10
15-71NFB	\$ 493.50	15-72NFA	\$ 540.80	10-77NFA	\$ 295.10
15-71NFC	\$ 493.50	15-72NFB	\$ 540.80	10-77NFB	\$ 295.10
<b>0.375 Orifice</b>		15-72NFC	\$ 540.80	10-77NFC	\$ 295.10
10-74AF6	\$ 707.70				
15-74LF9	\$ 707.70				
15-74LF12	\$ 707.70				
15-74LF16	\$ 707.70				
15-74NFB	\$ 707.70				
15-74NFC	\$ 707.70				
15-74NFD	\$ 707.70				
		<b>High Temperature Valves</b>			
		<b>(Suffix "HT")</b>			
		Add to price of		\$ 303.50	
		valves in the 20,000 and 30,000 psi series.			
		Except HF16, LF12 and LF16		\$ 602.70	
		series add to price of valves.			



# High Pressure Equipment

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<b>Micro Control Metering Valves</b> <b>(Suffix "V")</b> Add to price of \$ 367.50 standard 60,000 psi series.	<b>Double Block and Bleed Needle Valves</b> 20-DBB-LF4 \$ 1,019.60 20-DBB-LF6 \$ 1,035.30 20-DBB-LF9 \$ 1,113.00 20-DBB-LF12 \$ 1,921.50 20-DBB-LF16 \$ 2,018.10 15-DBB-BV-LF6 \$ 3,876.60 15-DBB-BV-LF9 \$ 3,876.60 15-DBB-BV-LF12 \$ 3,876.60 15-DBB-BV-NFB \$ 3,876.60 15-DBB-BV-NFC \$ 3,876.60 15-DBB-BV-NFD \$ 3,876.60	<b>Remarco Valves</b> <b>(Catalog Page 65)</b> D-20R-12LF9R \$ 1,714.70 D-30R-12HF4R \$ 1,210.70 D-30R-12HF6R \$ 1,210.70 D-30R-12HF9R \$ 1,210.70 D-10R-12LF9R \$ 1,210.70 D-60R-12HF4R \$ 1,210.70 D-60R-12HF6R \$ 1,210.70 D-60R-12HF9R \$ 1,287.30 D-100R-12XF4R \$ 1,580.30 D-100R-12XF6R \$ 1,609.70 SD-20R-12LF9R \$ 1,905.80 SD-30R-12HF4R \$ 1,407.00 SD-30R-12HF6R \$ 1,407.00 SD-30R-12HF9R \$ 1,485.80 SD-10R-12LF9R \$ 1,485.80 SD-60R-12HF4R \$ 1,407.00 SD-60R-12HF6R \$ 1,407.00 SD-60R-12HF9R \$ 1,485.80 SD-100R-12XF4R \$ 1,771.40 SD-100R-12XF6R \$ 1,800.80
<b>Metering Tip Valve</b> <b>(Suffix "MTS")</b> Add to price of \$ 100.80 standard 60,000 psi series.	<b>Air Operated Valves</b> <b>Hippo Air Actuators</b> <b>(Catalog Pages 63)</b> Mini Hippo Normally Open \$ 510.30 Mini Hippo Normally Closed \$ 553.40 MPO-NO Normally Open \$ 749.70 MPO-NC Normally Closed \$ 737.10 HPO-NO Normally Open \$ 1,040.60 HPO-NC Normally Closed \$ 1,049.00 EHPO-NO Normally Open \$ 5,209.10 EHPO-NC Normally Closed \$ 5,209.10	<b>Remetco Valves</b> <b>(Catalog Page 67)</b> 10M-12HF9R \$ 5,160.80 30M-12HF9R \$ 5,160.80 60M-12HF9R \$ 5,160.80 (Remote Valve Panel) - RVP \$ 907.20
<b>Relief Valves</b> <b>(Catalog Page 78)</b> 602923 (SoftSeat) \$ 993.30 4-2633 \$ 1,038.50 HiP-10RV \$ 456.80 HiP-20RV \$ 864.20	<b>Hipco Air &amp; Ball Valve Operators</b> <b>(Catalog Page 64)</b> <b>Add the following to price of a standard valve.</b> Normally Open \$ 569.10 Normally Closed \$ 610.10 TSR4 Ball Valve \$ 641.60 TDR4 Ball Valve \$ 641.60 TSR8 Ball Valve \$ 641.60 TDA8 Ball Valve \$ 641.60 TSR20 Ball Valve \$ 1,041.60	
<b>Male Bottom Connection Valves</b> 2-7928A \$ 252.00 2-8144A \$ 260.40 2-7602A \$ 252.00 2-7569A \$ 260.40 15-12NMAAF2 \$ 249.90 15-12NMBAF2 \$ 252.00 2-7565A \$ 446.30 2-7927A \$ 353.90 2-8039A \$ 364.40 2-7604A \$ 356.00 2-7603A \$ 362.30 * Rupture Discs (when required) should be ordered separately.	<b>Block and Bleed Needle Valves</b> 15-SBB-NFB \$ 539.70 15-SBB-NFC \$ 582.80 15-SBB-NFD \$ 600.60 20-SBB-LF4 \$ 553.40 20-SBB-LF6 \$ 577.50 20-SBB-LF9 \$ 606.90	



# High Pressure Equipment

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Accessories					
<b>Adapters: Female to Male</b>					
<b>(Catalog Page 98)</b>					
15-21AF1AM1	\$	90.30	10-21AF4NMB	\$	63.00
15-21AF1AM2	\$	88.20	10-21AF4NMC	\$	63.00
10-21AF1AM4	\$	88.20	10-21AF4NMD	\$	63.00
10-21AF1AM6	\$	110.30	10-21AF4NMF	\$	104.00
15-21AF2AM1	\$	86.10	10-21AF4NMH	\$	132.30
10-21AF2AM4	\$	96.60	10-21AF6NMA	\$	65.10
10-21AF2AM6	\$	110.30	10-21AF6NMB	\$	65.10
10-21AF4AM2	\$	104.00	10-21AF6NMC	\$	65.10
10-21AF4AM6	\$	104.00	10-21AF6NMD	\$	65.10
10-21AF6AM2	\$	109.20	10-21AF6NMF	\$	104.00
10-21AF6AM4	\$	106.10	10-21AF6NMH	\$	132.30
15-21AF1HM2	\$	94.50	20-21LF4LM6	\$	72.50
15-21AF1HM4	\$	94.50	20-21LF4LM9	\$	101.90
15-21AF1HM6	\$	115.50	20-21LF6LM4	\$	74.60
15-21AF1HM9	\$	151.20	20-21LF6LM6	\$	75.60
15-21AF2HM2	\$	100.80	20-21LF6LM9	\$	80.90
15-21AF2HM4	\$	100.80	20-21LF9LM4	\$	86.10
15-21AF2HM6	\$	106.10	20-21LF9LM6	\$	86.10
15-21AF2HM9	\$	106.10	20-21LF12LM4	\$	174.30
10-21AF4HM2	\$	75.60	20-21LF12LM6	\$	197.40
10-21AF4HM4	\$	72.50	20-21LF12LM9	\$	201.60
10-21AF4HM6	\$	75.60	20-21LF12LM16	\$	212.10
10-21AF4HM9	\$	86.10	20-21LF4LM12	\$	151.20
10-21AF6HM2	\$	88.20	20-21LF6LM12	\$	147.00
10-21AF6HM4	\$	77.70	20-21LF9LM12	\$	156.50
10-21AF6HM6	\$	79.80	20-21LF16LM4	\$	197.40
10-21AF6HM9	\$	94.50	20-21LF16LM6	\$	207.90
10-21XF6AM4	\$	207.90	20-21LF16LM9	\$	235.20
15-21AF1NMA	\$	68.30	20-21LF16LM12	\$	191.10
15-21AF1NMB	\$	68.30	20-21LF4LM16	\$	160.70
15-21AF1NMC	\$	68.30	20-21LF6LM16	\$	203.70
15-21AF1NMD	\$	68.30	20-21LF9LM16	\$	181.70
10-21AF1NMF	\$	101.90	20-21LF4HM2	\$	68.30
10-21AF1NMH	\$	171.20	20-21LF4HM4	\$	77.70
15-21AF2NMA	\$	68.30	20-21LF4HM6	\$	77.70
15-21AF2NMB	\$	68.30	20-21LF4HM9	\$	79.80
15-21AF2NMC	\$	68.30	20-21LF4HM16	\$	136.50
15-21AF2NMD	\$	68.30	20-21LF6HM4	\$	72.50
10-21AF2NMF	\$	104.00	20-21LF6HM6	\$	86.10
10-21AF2NMH	\$	125.00	20-21LF6HM9	\$	90.30
10-21AF4NMA	\$	63.00	20-21LF9HM4	\$	86.10
			20-21LF9HM6	\$	88.20
			20-21LF9HM9	\$	88.20
			20-21LF9XMA	\$	160.70
			20-21LF12HMA4	\$	174.30
			20-21LF12HM6	\$	191.10
			20-21LF12HM9	\$	203.70
			20-21LF16HMA4	\$	205.80
			20-21LF16HM6	\$	205.80
			20-21LF16HM9	\$	218.40
			20-21HF2LM4	\$	73.50
			20-21HF4LM4	\$	73.50
			20-21HF4LM6	\$	74.60
			20-21HF4LM9	\$	75.60
			20-21HF6LM4	\$	83.00
			20-21HF6LM6	\$	84.00
			20-21HF6LM9	\$	88.20
			20-21HF9LM4	\$	91.40
			20-21HF9LM6	\$	91.40
			20-21HF9LM9	\$	96.60
			20-21HF4LM12	\$	151.20
			20-21HF6LM12	\$	190.10
			20-21HF9LM12	\$	212.10
			20-21HF4LM16	\$	197.40
			20-21HF6LM16	\$	221.60
			20-21HF9LM16	\$	179.60
			30-21HF4HM16	\$	222.60
			30-21HF6HM16	\$	237.30
			30-21HF9HM16	\$	242.60
			20-21LF4NMA	\$	67.20
			20-21LF4NMB	\$	56.70
			20-21LF4NMC	\$	58.80
			20-21LF4NMD	\$	58.80
			10-21LF4NMF	\$	115.50
			10-21LF4NMH	\$	125.00
			20-21LF6NMA	\$	73.50
			20-21LF6NMB	\$	60.90
			20-21LF6NMC	\$	68.30
			20-21LF6NMD	\$	72.50
			10-21LF6NMF	\$	116.60
			10-21LF6NMH	\$	121.80
			20-21LF9NMA	\$	91.40
			20-21LF9NMB	\$	86.10
			20-21LF9NMC	\$	88.20
			20-21LF9NMD	\$	90.30
			10-21LF9NMF	\$	104.00
			10-21LF9NMH	\$	114.50
			20-21LF12NMA	\$	193.20



# High Pressure Equipment

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20-21LF12NMB	\$ 193.20	10-21HF2NMF	\$ 136.50	60-21HF6HM2	\$ 74.60
20-21LF12NMC	\$ 190.10	10-21HF2NMH	\$ 161.70	60-21HF6HM4	\$ 79.80
20-21LF12NMD	\$ 168.00	30-21HF4NMA	\$ 56.70	60-21HF6HM9	\$ 88.20
10-21LF12NMF	\$ 197.40	30-21HF4NMB	\$ 57.80	60-21HF9HM2	\$ 110.30
10-21LF12NMH	\$ 207.90	30-21HF4NMC	\$ 57.80	60-21HF9HM4	\$ 95.60
20-21LF16NMA	\$ 223.70	30-21HF4NMD	\$ 60.90	60-21HF9HM6	\$ 95.60
20-21LF16NMB	\$ 217.40	10-21HF4NMF	\$ 110.30	60-21HF9HM9	\$ 161.70
20-21LF16NMC	\$ 192.20	10-21HF4NMH	\$ 158.60	60-21HF4XM6	\$ 135.50
20-21LF16NMD	\$ 192.20	30-21HF6NMA	\$ 73.50	60-21HF2XM4	\$ 121.80
10-21LF16NMF	\$ 190.10	30-21HF6NMB	\$ 68.30	60-21XF6HM4	\$ 135.50
10-21LF16NMH	\$ 200.60	30-21HF6NMC	\$ 74.60	100-21XF4XM6	\$ 168.00
20-21NFALM4	\$ 83.00	30-21HF6NMD	\$ 74.60	100-21XF6XM4	\$ 136.50
20-21NFBLM4	\$ 54.60	10-21HF6NMF	\$ 110.30	15-21HF4AM2	\$ 96.60
20-21NFCLM4	\$ 72.50	10-21HF6NMH	\$ 147.00	15-21LF4AM2	\$ 79.80
20-21NFDLM4	\$ 74.60	30-21HF9NMA	\$ 110.30	10-21LF4AM4	\$ 83.00
10-21NFFLM4	\$ 147.00	30-21HF9NMB	\$ 96.60	10-21LF4AM6	\$ 83.00
20-21NFALM6	\$ 83.00	30-21HF9NMC	\$ 96.60	15-21LF6AM2	\$ 83.00
20-21NFBLM6	\$ 72.50	30-21HF9NMD	\$ 96.60	10-21LF6AM4	\$ 84.00
20-21NFCLM6	\$ 73.50	10-21HF9NMF	\$ 116.60	10-21LF6AM6	\$ 84.00
20-21NFDLM6	\$ 75.60	10-21HF9NMH	\$ 158.60	15-21LF9AM2	\$ 90.30
10-21NFFLM6	\$ 149.10	30-21NFAHM2	\$ 68.30	10-21LF9AM4	\$ 94.50
10-21NFHLM6	\$ 171.20	30-21NFBHM2	\$ 72.50	10-21LF9AM6	\$ 94.50
20-21NFALM9	\$ 83.00	30-21NFCHM2	\$ 72.50	15-21AF1LM4	\$ 84.00
20-21NFBLM9	\$ 72.50	30-21NFAHM4	\$ 51.50	15-21AF1LM6	\$ 91.40
20-21NFCLM9	\$ 73.50	30-21NFBHM4	\$ 53.60	15-21AF1LM9	\$ 96.60
20-21NFDLM9	\$ 74.60	30-21NFCHM4	\$ 60.90	15-21AF2LM4	\$ 94.50
10-21NFFLM9	\$ 147.00	30-21NFDHM4	\$ 65.10	15-21AF2LM6	\$ 95.60
10-21NFHLM9	\$ 174.30	30-21NFAHM6	\$ 73.50	15-21AF2LM9	\$ 110.30
20-21NFALM12	\$ 189.00	30-21NFBHM6	\$ 53.60	10-21AF4LM4	\$ 104.00
20-21NFBLM12	\$ 179.60	30-21NFCHM6	\$ 63.00	10-21AF4LM6	\$ 110.30
20-21NFCLM12	\$ 178.50	30-21NFDHM6	\$ 74.60	10-21AF4LM9	\$ 121.80
20-21NFDLM12	\$ 155.40	10-21NFFHM6	\$ 116.60	10-21AF6LM4	\$ 109.20
10-21NFFLM12	\$ 205.80	30-21NFAHM9	\$ 74.60	10-21AF6LM6	\$ 112.40
10-21NFHLM12	\$ 190.10	30-21NFBHM9	\$ 72.50	10-21AF6LM9	\$ 123.90
20-21NFALM16	\$ 219.50	30-21NFCHM9	\$ 73.50	15-21NFAAM2	\$ 77.70
20-21NFBLM16	\$ 219.50	30-21NFDHM9	\$ 73.50	15-21NFBAM2	\$ 77.70
20-21NFCLM16	\$ 199.50	10-21NFFHM9	\$ 115.50	15-21NFCAM2	\$ 77.70
20-21NFDLM16	\$ 164.90	10-21NFHHM9	\$ 160.70	10-21NFAAM4	\$ 65.10
10-21NFFLM16	\$ 201.60	30-21NFBXM4	\$ 96.60	10-21NFBAM4	\$ 65.10
10-21NFHLM16	\$ 205.80	60-21HF2HM4	\$ 65.10	10-21NFCAM4	\$ 73.50
30-21HF2NMA	\$ 83.00	60-21HF2HM6	\$ 65.10	10-21NFDAM4	\$ 77.70
30-21HF2NMB	\$ 83.00	60-21HF2HM9	\$ 86.10	10-21NFAAM6	\$ 65.10
30-21HF2NMC	\$ 83.00	60-21HF4HM2	\$ 72.50	10-21NFBAM6	\$ 65.10
30-21HF2NMD	\$ 86.10	60-21HF4HM6	\$ 83.00	10-21NFCAM6	\$ 73.50
		60-21HF4HM9	\$ 83.00	10-21NFDAM6	\$ 77.70

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# High Pressure Equipment

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<b>Adapters: Male to Male</b>					
<b>(Catalog Page 105)</b>					
20-21LM4LM12	\$ 128.10	30-21HM9NMD	\$ 135.50	20-21LM4NMD	\$ 104.00
20-21LM6LM12	\$ 128.10	10-21HM9NMF	\$ 181.70	20-21LM4HM2	\$ 106.10
20-21LM9LM12	\$ 200.60	10-21HM9NMH	\$ 212.10	20-21LM4HM4	\$ 106.10
20-21LM12LM12	\$ 140.70	60-21HM2HM2	\$ 119.70	20-21LM4HM6	\$ 108.20
20-21LM4LM16	\$ 200.60	60-21HM2HM4	\$ 119.70	20-21LM4HM9	\$ 100.80
20-21LM6LM16	\$ 200.60	60-21HM4HM4	\$ 71.40	20-21LM6LM6	\$ 98.70
20-21LM9LM16	\$ 200.60	60-21HM4HM6	\$ 106.10	20-21LM6LM9	\$ 108.20
20-21LM12LM16	\$ 200.60	60-21HM4HM9	\$ 134.40	20-21LM6NMB	\$ 104.00
20-21LM16LM16	\$ 216.30	60-21HM6HM6	\$ 81.90	20-21LM6NMC	\$ 104.00
20-21LM12HM4	\$ 128.10	60-21HM6HM9	\$ 134.40	20-21LM6NMD	\$ 104.00
20-21LM12HM6	\$ 128.10	60-21HM9HM9	\$ 102.90	20-21LM6HM4	\$ 100.80
20-21LM12HM9	\$ 128.10	100-21XM4XM4	\$ 113.40	20-21LM6HM6	\$ 106.10
20-21LM16HM4	\$ 200.60	100-21XM4XM6	\$ 113.40	20-21LM9LM9	\$ 102.90
20-21LM16HM6	\$ 200.60	15-21AM1AM1	\$ 81.90	20-21LM9NMB	\$ 109.20
20-21LM16HM9	\$ 200.60	15-21AM1NMA	\$ 81.90	20-21LM9NMC	\$ 109.20
30-21HM4HM16	\$ 214.20	15-21AM1AM2	\$ 90.30	20-21LM9NMD	\$ 115.50
30-21HM6HM16	\$ 214.20	15-21AM1NMB	\$ 81.90	10-21LM9NMF	\$ 153.30
30-21HM9HM16	\$ 214.20	15-21AM1HM2	\$ 78.80	10-21LM9NMH	\$ 216.30
20-21LM12NMA	\$ 224.70	15-21AM1HM4	\$ 78.80	20-21LM9HM4	\$ 115.50
20-21LM12NMB	\$ 189.00	15-21AM2AM2	\$ 81.90	20-21LM9HM9	\$ 115.50
20-21LM12NMC	\$ 189.00	15-21AM2NMA	\$ 76.70		
20-21LM12NMD	\$ 189.00	15-21AM2NMB	\$ 78.80		
10-21LM12NMF	\$ 189.00	15-21AM2HM2	\$ 109.20		
10-21LM12NMH	\$ 200.60	15-21AM2HM4	\$ 81.90		
20-21LM16NMA	\$ 326.60	15-21AM2LM4	\$ 75.60		
20-21LM16NMB	\$ 248.90	15-21AM2LM6	\$ 76.70		
20-21LM16NMC	\$ 236.30	15-21AM2LM9	\$ 79.80		
20-21LM16NMD	\$ 236.30	10-21AM4AM4	\$ 104.00		
10-21LM16NMF	\$ 248.90	10-21AM4NMB	\$ 104.00		
10-21LM16NMH	\$ 276.20	10-21AM4NMD	\$ 104.00		
30-21HM2NMA	\$ 119.70	10-21AM4HM4	\$ 104.00		
30-21HM2NMB	\$ 117.60	10-21AM4LM4	\$ 79.80		
30-21HM4NMA	\$ 71.40	10-21AM4LM6	\$ 81.90		
30-21HM4NMB	\$ 73.50	10-21AM4LM9	\$ 85.10		
30-21HM4NMC	\$ 104.00	10-21AM6AM6	\$ 100.80		
30-21HM4NMD	\$ 104.00	10-21AM6LM4	\$ 85.10		
10-21HM4NMF	\$ 207.90	10-21AM6LM6	\$ 90.30		
30-21HM6NMB	\$ 108.20	10-21AM6LM9	\$ 91.40		
30-21HM6NMC	\$ 108.20	10-21AM6XM4	\$ 193.20		
30-21HM6NMD	\$ 108.20	10-21AM6XM6	\$ 193.20		
30-21HM9NMB	\$ 135.50	20-21LM4LM4	\$ 75.60		
30-21HM9NMC	\$ 135.50	20-21LM4LM6	\$ 100.80		
		20-21LM4LM9	\$ 108.20		
		20-21LM4NMB	\$ 76.70		

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# High Pressure Equipment

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<b>Couplings: Female to Female</b>					
<b>(Catalog Page 113)</b>		10-21AF6NFD	\$ 80.90	20-21LF9LF12	\$ 180.60
		10-21AF6NFF	\$ 141.80	20-21LF4LF16	\$ 230.00
15-21AF1	\$ 68.30	10-21AF6NFH	\$ 170.10	20-21LF6LF16	\$ 259.40
15-21AF2	\$ 72.50	20-21LF4	\$ 54.60	20-21LF9LF16	\$ 240.50
10-21AF4	\$ 77.70	20-21LF6	\$ 68.30	20-21LF12LF16	\$ 248.90
10-21AF6	\$ 86.10	20-21LF9	\$ 80.90	20-21LF4HF2	\$ 96.60
15-21AF1AF2	\$ 79.80	20-21LF12	\$ 212.10	20-21LF4HF4	\$ 90.30
10-21AF1AF4	\$ 79.80	20-21LF16	\$ 287.70	20-21LF4HF6	\$ 95.60
10-21AF1AF6	\$ 83.00	30-21HF16	\$ 322.40	20-21LF4HF9	\$ 106.10
10-21AF2AF4	\$ 83.00	15-21LF24	\$ 735.00	20-21LF6HF4	\$ 90.30
10-21AF2AF6	\$ 86.10	20-21LF4NFA	\$ 63.00	20-21LF6HF6	\$ 95.60
10-21AF4AF6	\$ 86.10	20-21LF4NFB	\$ 58.80	20-21LF6HF9	\$ 115.50
15-21AF1HF2	\$ 80.90	20-21LF4NFC	\$ 60.90	20-21LF9HF2	\$ 104.00
15-21AF1HF4	\$ 80.90	20-21LF4NFD	\$ 65.10	20-21LF9HF4	\$ 104.00
15-21AF1HF6	\$ 86.10	10-21LF4NFF	\$ 146.00	20-21LF9HF6	\$ 109.20
15-21AF1HF9	\$ 90.30	10-21LF4NFH	\$ 171.20	20-21LF9HF9	\$ 112.40
15-21AF2HF2	\$ 80.90	20-21LF6NFA	\$ 77.70	20-21LF12HF4	\$ 199.50
15-21AF2HF4	\$ 80.90	20-21LF6NFB	\$ 74.60	20-21LF12HF6	\$ 198.50
15-21AF2HF6	\$ 90.30	20-21LF6NFC	\$ 79.80	20-21LF12HF9	\$ 198.50
15-21AF2HF9	\$ 116.60	20-21LF6NFD	\$ 86.10	20-21LF16HF4	\$ 223.70
10-21AF4HF2	\$ 84.00	10-21LF6NFF	\$ 150.20	20-21LF16HF6	\$ 230.00
10-21AF4HF4	\$ 84.00	10-21LF6NFH	\$ 171.20	20-21LF16HF9	\$ 262.50
10-21AF4HF6	\$ 88.20	20-21LF9NFA	\$ 79.80	60-21HF2	\$ 83.00
10-21AF4HF9	\$ 119.70	20-21LF9NFB	\$ 80.90	60-21HF4	\$ 68.30
10-21AF6HF2	\$ 86.10	20-21LF9NFC	\$ 86.10	60-21HF6	\$ 83.00
10-21AF6HF4	\$ 86.10	20-21LF9NFD	\$ 88.20	60-21HF9	\$ 114.50
10-21AF6HF6	\$ 91.40	10-21LF9NFF	\$ 151.20	100-21XF4	\$ 116.60
10-21AF6HF9	\$ 121.80	10-21LF9NFH	\$ 176.40	150-21XF6	\$ 133.40
15-21AF1NFA	\$ 72.50	20-21LF12NFA	\$ 207.90	60-21HF2HF4	\$ 83.00
15-21AF1NFB	\$ 72.50	20-21LF12NFB	\$ 203.70	60-21HF2HF6	\$ 88.20
15-21AF1NFC	\$ 74.60	20-21LF12NFC	\$ 205.80	60-21HF2HF9	\$ 113.40
15-21AF1NFD	\$ 77.70	20-21LF12NFD	\$ 189.00	60-21HF4HF6	\$ 86.10
15-21AF2NFA	\$ 72.50	10-21LF12NFF	\$ 240.50	60-21HF4HF9	\$ 110.30
15-21AF2NFB	\$ 72.50	10-21LF12NFH	\$ 249.90	60-21HF6HF9	\$ 115.50
15-21AF2NFC	\$ 74.60	20-21LF16NFA	\$ 274.10	60-21HF4XF6	\$ 136.50
15-21AF2NFD	\$ 79.80	20-21LF16NFB	\$ 233.10	30-21HF4HF16	\$ 219.50
10-21AF4NFA	\$ 63.00	20-21LF16NFC	\$ 232.10	30-21HF2NFA	\$ 72.50
10-21AF4NFB	\$ 63.00	20-21LF16NFD	\$ 217.40	30-21HF2NFB	\$ 73.50
10-21AF4NFC	\$ 63.00	10-21LF16NFF	\$ 240.50	30-21HF2NFC	\$ 74.60
10-21AF4NFD	\$ 74.60	10-21LF16NFH	\$ 249.90	30-21HF2NFD	\$ 80.90
10-21AF4NFF	\$ 136.50	20-21LF4LF6	\$ 79.80	10-21HF2NFF	\$ 135.50
10-21AF4NFH	\$ 168.00	20-21LF4LF9	\$ 86.10	10-21HF2NFH	\$ 176.40
10-21AF6NFA	\$ 63.00	20-21LF6LF9	\$ 95.60	30-21HF4NFA	\$ 54.60
10-21AF6NFB	\$ 63.00	20-21LF4LF12	\$ 222.60	30-21HF4NFB	\$ 56.70
10-21AF6NFC	\$ 63.00	20-21LF6LF12	\$ 251.00	30-21HF4NFC	\$ 63.00

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# High Pressure Equipment

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<b>Thermocouple Adapters (Catalog Page 118)</b>	6PG100	\$ 2,082.20	<b>Collet (Spare)</b>	
15-21AF1AM2-T	6PG150	\$ 3,761.10	2-LF4P	\$ 111.30
10-21AF1AM4-T			2-LF6P	\$ 111.30
10-21AF1AM6-T	<b>Tooling</b>		2-LF9P	\$ 111.30
15-21AF1NMA-T	<b>Reseating Tools (Catalog Page 124)</b>		2-HF2P*	\$ 111.30
15-21AF1NMB-T	RTL4F	\$ 111.30	2-HF4P*	\$ 111.30
15-21AF1NMC-T	RTL4F6	\$ 129.20	2-HF6P*	\$ 111.30
15-21AF1NMD-T	RTL4F9	\$ 155.40	2-HF9P	\$ 111.30
10-21AF1NMF-T	RTH4F2	\$ 111.30	2-XF6P*	\$ 111.30
10-21AF1NMH-T	RTH4F4	\$ 111.30		
15-21AF1LM4-T	RTH4F6	\$ 129.20	*Interchangeable in any of the assemblies except 2-HF9 and 2-LF9.	
15-21AF1LM6-T	RTH4F9	\$ 155.40	<b>Threading Tools (Catalog Page 125)</b>	
15-21AF1LM9-T	RTXF4	\$ 111.30	<b>Complete Tool</b>	
15-21AF1HM2-T	RTXF6	\$ 129.20	2-MLF4	\$ 300.30
15-21AF1HM4-T			2-MLF6	\$ 300.30
15-21AF1HM6-T	<b>Coning Tools (Catalog Page 125)</b>		2-MLF9	\$ 300.30
15-21AF1HM9-T	<b>Complete Tool</b>		2-MHF2	\$ 245.70
15-21AF2LM4-T	2-LF4	\$ 458.90	2-MHF4	\$ 300.30
15-21AF2LM6-T	2-LF6	\$ 458.90	2-MHF6	\$ 300.30
15-21AF2LM9-T	2-LF9	\$ 564.90	2-MHF9	\$ 300.30
10-21AF2AM4-T	2-HF2	\$ 500.90	2-MXF6	\$ 300.30
10-21AF2AM6-T	2-HF4	\$ 458.90		
15-21AF2HM4-T	2-HF6	\$ 458.90	<b>Threading Die (Spare)</b>	
15-21AF2HM6-T	2-HF9	\$ 564.90	1/8-40LH	\$ 101.90
15-21AF2HM9-T	2-HF9-40	\$ 575.40	1/4-28LH	\$ 113.40
15-21AF2NMA-T	2-XF4	\$ 467.30	3/8-24LH*	\$ 113.40
15-21AF2NMB-T	2-XF6	\$ 478.80	9/16-18LH*	\$ 113.40
15-21AF2NMC-T			<b>Guide Bushing (Spare)</b>	
15-21AF2NMD-T	<b>Cutter (Spare)</b>		2-MLF4P*	\$ 53.60
10-21AF2NMF-T	2-LF4L*	\$ 146.00	2-MLF6P*	\$ 53.60
10-21AF2NMH-T	2-LF6L*	\$ 146.00	2-MLF9P*	\$ 53.60
10-21AF4HM9-T	2-LF9L	\$ 146.00	2-MHF4P*	\$ 53.60
10-21AF4LM9-T	2-HF2L*	\$ 172.20	2-MHF6P*	\$ 53.60
	2-HF4L*	\$ 146.00	2-MHF9P*	\$ 53.60
	2-HF6L*	\$ 146.00	2-MXF6P*	\$ 53.60
	2-HF9L	\$ 146.00	*Interchangeable in any of the assemblies except 2-MHF2.	
	2-HF9L-40	\$ 146.00	Rapid Tap 4 oz	\$ 34.70
	2-XF6L*	\$ 173.30		
<b>Pressure Gauges (Catalog Page 120)</b>				
4PG5		\$ 499.80		
4PG10		\$ 499.80		
6PG20		\$ 845.30		
6PG20C		\$ 829.50		
6PG30		\$ 1,053.20		
6PG30C		\$ 1,100.40		
6PG50		\$ 1,728.30		
6PG75		\$ 1,937.30		

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# High Pressure Equipment

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<b>Pumping Systems, Intensifiers, Gas Boosters and High Pressure Generators</b>	60-2HM4-SGS	\$ 18.90	<b>Valves (Catalog Page 86)</b>	
	60-2HM6-SGS	\$ 21.00	30-11HF4-SGS	\$ 311.90
	60-2HM9-SGS	\$ 32.60	30-11HF6-SGS	\$ 356.00
	60-2H4-SGS	\$ 16.80	30-11HF9-SGS	\$ 378.00
<b>High Pressure Generators</b>	60-2H6-SGS	\$ 16.80	60-11HF4-SGS	\$ 362.30
87-6-5	60-2H9-SGS	\$ 18.90	60-11HF6-SGS	\$ 370.70
62-6-10	60-7HM4-SGS	\$ 17.90	60-11HF9-SGS	\$ 378.00
50-6-15	60-7HM6-SGS	\$ 21.00	30-12HF4-SGS	\$ 311.90
37-6-30	60-7HM9-SGS	\$ 27.30	30-12HF6-SGS	\$ 356.00
	60-22HF4-SGS	\$ 101.90	30-12HF9-SGS	\$ 378.00
<b>Vernier Indicator 401491</b>	60-22HF6-SGS	\$ 140.70	60-12HF4-SGS	\$ 362.30
(Option for above models)	60-22HF9-SGS	\$ 155.40	60-12HF6-SGS	\$ 370.70
Spare Packing	60-23HF4-SGS	\$ 131.30	60-12HF9-SGS	\$ 378.00
(See spare parts list)	60-23HF6-SGS	\$ 153.30	30-13HF4-SGS	\$ 338.10
<b>Extra Capacity Models</b>	60-23HF9-SGS	\$ 195.30	30-13HF6-SGS	\$ 387.50
112-5.75-5	60-24HF4-SGS	\$ 164.90	30-13HF9-SGS	\$ 545.00
81-5.75-10	60-24HF6-SGS	\$ 186.90	60-13HF4-SGS	\$ 379.10
68-5.75-15	60-24HF9-SGS	\$ 213.20	60-13HF6-SGS	\$ 399.00
50-5.75-30	60-21HF4-U-SGS	\$ 133.40	60-13HF9-SGS	\$ 467.30
37-5.75-60	60-21HF6-U-SGS	\$ 148.10	30-14HF4-SGS	\$ 338.10
31-5.75-75	60-21HF9-U-SGS	\$ 213.20	30-14HF6-SGS	\$ 387.50
25-5.75-100	60-21HF4-B-SGS	\$ 155.40	30-14HF9-SGS	\$ 545.00
Spare Packing	60-21HF6-B-SGS	\$ 215.30	60-14HF4-SGS	\$ 379.10
(See spare parts list)	60-21HF9-B-SGS	\$ 233.10	60-14HF6-SGS	\$ 399.00
	60-21HF4-C-SGS	\$ 80.90	60-14HF9-SGS	\$ 467.30
<b>Oil &amp; Gas Products</b>	60-21HF6-C-SGS	\$ 101.90	30-15HF4-SGS	\$ 446.30
<b>Nipples, Fittings, Couplings, Check Valves, Filters</b>	60-21HF9-C-SGS	\$ 143.90	30-15HF6-SGS	\$ 556.50
<b>(Catalog Page 84)</b>	60F-51HF4-SGS	\$ 700.40	30-15HF9-SGS	\$ 667.80
60-HM4-2.75-SGS	60F-51HF6-SGS	\$ 794.90	60-15HF4-SGS	\$ 498.80
60-HM4-6-SGS	60F-51HF9-SGS	\$ 910.40	60-15HF6-SGS	\$ 556.50
60-HM4-8-SGS	60-41HF4-SGS	\$ 395.90	60-15HF9-SGS	\$ 813.80
60-HM4-10-SGS	60-41HF6-SGS	\$ 498.80	30-12HF4-R-SGS	\$ 422.10
60-HM4-12-SGS	60-41HF9-SGS	\$ 626.90	30-12HF6-R-SGS	\$ 575.40
60-HM6-3-SGS	30-41HF4-T-SGS	\$ 440.00	30-12HF9-R-SGS	\$ 612.20
60-HM6-6-SGS	30-41HF6-T-SGS	\$ 464.10	60-12HF4-R-SGS	\$ 446.30
60-HM6-8-SGS	30-41HF9-T-SGS	\$ 569.10	60-12HF6-R-SGS	\$ 632.10
60-HM6-10-SGS	60-41HF4-T-SGS	\$ 464.10	60-12HF9-R-SGS	\$ 653.10
60-HM6-12-SGS	60-41HF6-T-SGS	\$ 561.80		
60-HM9-4-SGS	60-41HF9-T-SGS	\$ 632.10	<b>Well Head Gauge and Bleed Valves (Catalog Page 90)</b>	
60-HM9-6-SGS			30-GVHF9	\$ 446.30
60-HM9-8-SGS			30-GVHF9-SGS	\$ 604.80
60-HM9-10-SGS			30-BVHM9	\$ 170.10
60-HM9-12-SGS			30-BVHM9-SGS	\$ 201.60



# High Pressure Equipment

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<b>Spare Parts</b>	Silicone O-ring B-147	\$ 15.80	<b>Safety Heads (Rupture Assemblies)</b>		
<b>Taper Seal</b>	Teflon Packing B-181*	\$ 15.80	Hold Down Nut 2-204	\$ 63.00	
<b>15,000 psi</b>	Grafoil Packing B-1417 (1 ea.)	\$ 18.90	Hold Down Ring 2-130	\$ 56.70	
<b>AF1 Series Valves</b>	-w Grafoil Packing B-1357 (1 ea.)	\$ 16.80			
Handle 2-263	Bottom Washer 2-156	\$ 17.90	<b>Medium Pressure - New Style</b>		
Stem Nut 2-566	Lower Stem Regulating 2-9347	\$ 62.00	<b>20,000 psi</b>		
Lock Nut 2-1030			<b>LF4 and LF6 Series Valves</b>		
Stem 2-2645	<b>Ball Check Valves</b>		Handle 212435	\$ 32.60	
Top Washer 2-267	Taper Seal (AF1, AF2, AF4, AF6)		Stem Nut 213935	\$ 51.50	
Buna O-ring B-101	Ball B-521 (316 SS)	\$ 13.70	Locking Device 2-7733	\$ 22.10	
Viton O-ring B-614	Ball Support 2-7900	\$ 38.90	Set Screw B01489	\$ 9.50	
Silicone O-ring B-149	Spring B-551	\$ 17.90	Upper Stem 213934	\$ 57.80	
Teflon Packing B-195*	Gasket B-552	\$ 16.80	Lower Stem 213933	\$ 52.50	
Grafoil Packing B-1379			Top Washer 2-7731	\$ 22.10	
Bottom Washer 2-266	<b>Line Filter Discs</b>		Polypak Seal B-1388	\$ 26.30	
Regulating Stem Assembly 2-9350	AF4, AF6, NFB, NFC, NFD: (4 per set)		Grafoil Packing B-1391 Set (2)	\$ 22.10	
	0.5 Micron B-1442 Set	\$ 57.80	Teflon Packing B-1392 Set (2)	\$ 25.20	
<b>15,000 psi</b>	2 Micron B-1443 Set	\$ 57.80	Bottom Washer 2-7732	\$ 22.10	
<b>AF2 Series Valves</b>	5 Micron B-1444 Set	\$ 57.80	LF4 Removable Seat Gland 2-8512	\$ 155.40	
Handle 2-263	10 Micron B-923 Set	\$ 57.80	LF6 Removable Seat Gland 2-8431	\$ 155.40	
Stem Nut 2-265	20 Micron B-1445 Set	\$ 57.80	Lower Regulating Stem Assembly 2-9355 (& MTS)	\$ 110.30	
Lock Nut 2-268	40 Micron B-610 Set	\$ 57.80	Lens Ring 2-8432	\$ 72.50	
Stem 2-2645	100 Micron B-607 Set	\$ 57.80			
Top Washer 2-267			<b>20,000 psi - New Style</b>		
Buna O-ring B-101	<b>AF1, AF2: (3 per set) HF2 old style</b>		<b>LF9 Series Valves</b>		
Viton O-ring B-614	0.5 Micron B-1450 Set	\$ 57.80	Handle 212436	\$ 25.20	
Silicone O-ring B-149	2 Micron B-1451 Set	\$ 57.80	Stem Nut 2-7737-AM45	\$ 52.50	
Teflon Packing B-195*	5 Micron B-1452 Set	\$ 57.80	Locking Device 2-7734	\$ 123.90	
Grafoil Packing B-1379	10 Micron B-475 Set	\$ 57.80	Set Screw B-1489	\$ 9.50	
Bottom Washer 2-266	20 Micron B-1453 Set	\$ 57.80	Upper Stem Assembly 212431	\$ 104.00	
Regulating Stem Assembly :	40 Micron B-616 Set	\$ 57.80	Top Washer 2-7738	\$ 26.30	
	100 Micron B-474 Set	\$ 57.80	Polypak Seal B-1387	\$ 22.10	
<b>10,000 psi</b>	<b>Soft Seat Check Valves</b>		Grafoil Packing B-1386 Set (2)	\$ 25.20	
<b>AF4 and AF6 Series Valves</b>	Poppet 2-2272	\$ 57.80	Teflon Packing 2-7341 Set (2)	\$ 25.20	
Handle 2-151	O-ring B-159 Buna	\$ 13.70	Bottom Washer 2-7342	\$ 74.60	
Locking Device 2-657	O-ring B-152 Teflon	\$ 13.70	Std. Lower Stem 2-7467	\$ 62.00	
Stem Assembly 2-7461	O-ring B-870 Viton	\$ 13.70	Lower Regulating Stem 2-8108	\$ 107.10	
Lower Stem Only 2-7428	Spring B-551	\$ 17.90	High Temp. Stem Assembly 2-8387	\$ 246.80	
Upper Stem	Gasket B-552	\$ 16.80	Removable Seat Gland 2-8592	\$ 155.40	
Assembly 2-7981			Lens Ring 2-897	\$ 72.50	
Top Washer 2-154					
Buna O-ring B-102					
Viton O-ring B-849					

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# High Pressure Equipment

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<b>20,000 psi</b>	<b>Ball Check Valves</b>	<b>Safety Heads (Rupture Assemblies)</b>
<b>LF12 Series Valves</b>	<b>Medium Pressure (LF4 and LF6)</b>	Hold Down Nut 2-204 \$ 64.10
Handle 2-8673 \$ 29.40	Ball B-521 (316ss) \$ 13.70	Hold Down Ring 2-130 \$ 56.70
Handle Collar 2-8674 \$ 154.40	Ball Support 2-7900 \$ 38.90	
Packing Gland 2-8675 \$ 186.90	Spring B-551 \$ 17.90	<b>High Pressure</b>
Locking Device 2-8669 \$ 27.30	Gasket B-552 \$ 16.80	<b>30,000 psi</b>
Bearing Washer 2-8676 \$ 43.10		<b>HF2 Series Valves</b>
Stem Sleeve 2-8677 \$ 110.30	<b>Medium Pressure (LF9)</b>	Handle 2-263 \$ 21.00
Upper Stem 2-8678 \$ 98.70	Ball B-522 (316ss) \$ 15.80	Stem Nut 2-265 \$ 39.90
Lower Stem 2-8679 \$ 101.90	Ball Support 2-7901 \$ 43.10	Lock Nut 2-268 \$ 15.80
Top Washer 2-8754 \$ 52.50	Spring B-958 \$ 21.00	Stem 2-2645 \$ 89.30
	Gasket B-959 \$ 17.90	Top Washer 2-267 \$ 18.90
Teflon Packing 2-8740 Set (2) \$ 25.20		Buna O-ring B-101 \$ 13.70
Grafoil Packing B-1455 Set (3) \$ 52.50	<b>Line Filter Discs</b>	Viton O-ring B-614 \$ 15.80
Polypak B-1431 (1 ea.) \$ 26.30	<b>LF4, LF6 and LF9 Series (4 per set)</b>	Silicone O-ring B-149 \$ 15.80
Bottom Washer 2-8755 \$ 52.50	0.5 Micron B-1442 Set \$ 57.80	Grafoil Packing B-1379 \$ 17.90
Removable Seat Gland 2-9280 \$ 213.20	2 Micron B-1443 Set \$ 57.80	Teflon Packing B-195* \$ 15.80
Lens Ring 2-9279 \$ 95.60	5 Micron B-1444 Set \$ 57.80	Bottom Washer 2-266 \$ 17.90
	10 Micron B-923 Set \$ 57.80	Regulating Stem 2-9350 \$ 89.30
<b>20,000 psi</b>	20 Micron B-1445 Set \$ 57.80	
<b>LF16 Series Valves</b>	40 Micron B-610 Set \$ 57.80	<b>30,000 psi - New Style</b>
Handle 2-8673 \$ 29.40	100 Micron B-607 Set \$ 57.80	<b>HF4, HF6, and HF9 Series Valves</b>
Handle Collar 2-8680 \$ 158.60	Spacer 2-1104 \$ 22.10	Handle 212435 \$ 32.60
Packing Gland 2-8681 \$ 190.10		Locking Device 2-657 \$ 22.10
Locking Device 2-8670 \$ 27.30	<b>Soft Seat Check Valves</b>	Set Screw B-1489 \$ 9.50
Bearing Washer 2-8682 \$ 46.20	<b>LF4 and LF6 Series</b>	Upper Stem 213909 \$ 57.80
Stem Sleeve 2-8683 \$ 190.10	Poppet 2-2272 \$ 57.80	Lower Stem 213910 \$ 52.50
Upper Stem 2-8684 \$ 161.70	O-ring B-159 Buna \$ 13.70	Top Washer 2-154 \$ 18.90
Lower Stem 2-8685 \$ 138.60	O-ring B-152 Teflon \$ 13.70	Buna O-ring B-102 \$ 13.70
Bearing Washer 2-8686 \$ 51.50	O-ring B-870 Viton \$ 17.90	Viton O-ring B-849 \$ 15.80
Top Washer 2-8756 \$ 64.10		Silicone O-ring B-147 \$ 15.80
Teflon Packing 2-8741 Set (2) \$ 26.30	Spring B-551 \$ 16.80	Grafoil Packing B-1417 \$ 18.90
Grafoil Packing B-1440 Set (2) \$ 43.10	Gasket B-552 \$ 16.80	Teflon Packing B-181* \$ 15.80
Polypak B-1742 (1) \$ 20.00		Teflon/Buna 209276 \$ 17.90
Bottom Washer 2-8757 \$ 64.10	<b>LF9 Series</b>	Bottom Washer 2-156 \$ 17.90
Removable Seat Gland 2-9282 \$ 261.50	Poppet 2-4740 \$ 67.20	Bottom Spacer 2-155 \$ 16.80
Lens Ring 2-9281 10K \$ 123.90	O-ring B-104 Buna \$ 16.80	HF4 Removable Seat Gland 2-750 \$ 164.90
Lens Ring 2-9972 20K \$ 114.50	O-ring B-161 Teflon \$ 16.80	HF6 Removable Seat Gland 2-751 \$ 164.90
	Spring B-958 \$ 21.00	HF9 Removable Seat Gland 2-752 \$ 164.90
	Gasket B-959 \$ 17.90	Lower Regulating Stem Kit 2-9348 \$ 57.80
		Lens Ring 2-753 \$ 72.50

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<b>Ball Valves</b>		Back Up Washer 210286	\$ 15.80	O-Ring B-809	\$ 16.80
Handle 2-8642	\$ 30.50	Body Bushing 210219	\$ 17.90	Seat Gland	\$ 140.70
Roll Pin B-1509	\$ 13.70	Trunion 2-Way 210598	\$ 80.90	Bottom Gland	\$ 122.90
Handle Stop Collar 2-8643 (2-way)	\$ 45.20	Trunion 180° 210235	\$ 80.90	Square Adapter 210672	\$ 99.80
Stop Collar (3-way 180°) 2-8730	\$ 45.20	Trunion Diverter 210360	\$ 80.90		
Stop Collar (3-way Diverter) 2-8643	\$ 45.20	Bottom Bushing 210218	\$ 17.90	<b>Trunion Style Ball Valves</b>	
Stem 2-8644	\$ 74.60	Body 601934	\$ 277.20	<b>0.50 Orifice</b>	
Packing Gland 2-8645	\$ 46.20	O-Ring B00823	\$ 15.80	Handle 208673	\$ 27.30
Locking Device 2-7733	\$ 22.10	O-Ring B01032	\$ 15.80	Set Screw 211696	\$ 26.30
Top Packing Washer 2-7731	\$ 22.10	Seat Gland	\$ 140.70	Stop Collar 403588	\$ 74.60
Teflon Packing B-1392 Set (2)	\$ 25.20	Bottom Gland	\$ 122.90	Stem 403587	\$ 67.20
Bottom Packing Washer 2-7732	\$ 22.10	Square Adapter 210672	\$ 99.80	Bearing Washer 211104	\$ 38.90
Bearing Washer 2-8646	\$ 37.80			O-Ring B01101	\$ 11.60
Body (2-way) 2-8641	\$ 225.80	<b>Trunion Style Ball Valves</b>		Back Up Washer B01790	\$ 16.80
Body (3-way, Diverter) 2-8729	\$ 259.40	<b>.375 Orifice</b>		Ball Seat Assembly 211096	\$ 94.50
0.485 Ball (2-way) 2-8647	\$ 32.60	Handle 210285	\$ 30.50	Ball Seat 211094	\$ 51.50
0.485 Ball (3-way) 2-8721	\$ 45.20	Set Screw 210242	\$ 18.90	Ball Seat Holder 211095	\$ 59.90
0.485 Ball (Diverter) 2-8834	\$ 50.40	Stop Collar 210616	\$ 45.20	Belleville Washer B01892	\$ 15.80
Ball Seat 2-8648	\$ 29.40	Stop Collar 210217	\$ 45.20	Packing Washer 211103	\$ 43.10
O-ring B-821	\$ 15.80	Stem 210229	\$ 46.20	Back Up Washer 211105	\$ 20.00
Seat Gland	\$ 88.20	Panel Nut 209219-8	\$ 43.10	Body Bushing 211102	\$ 28.40
		Bearing Washer 210230	\$ 25.20	Trunion 2-Way 211097	\$ 235.20
<b>Trunion Style Ball Valves</b>		O-Ring B-1117	\$ 13.70	Trunion 180 211675	\$ 277.20
<b>.187 Orifice</b>		Back Up Ring B01578	\$ 13.70	Trunion Diverter 211676	\$ 281.40
Handle 210285	\$ 30.50	Ball Seat Assembly 210220	\$ 83.00	Bottom Bushing 211101	\$ 33.60
Set Screw 210242	\$ 18.90	Ball Seat 210221	\$ 48.30	Body 602447	\$ 1,159.20
Stop Collar 210616	\$ 45.20	Ball Seat Holder 210222	\$ 48.30	O-Ring B01893	\$ 17.90
Stop Collar 210217	\$ 45.20	Belleville Washer B01605	\$ 11.60	O-Ring B01340	\$ 17.90
Stem 210229	\$ 46.20	Packing Washer 210223	\$ 17.90	Seat Gland	\$ 277.20
Panel Nut 209219-8	\$ 43.10	Back Up Washer 210288	\$ 15.80	Bottom Gland 211106	\$ 261.50
Bearing Washer 210230	\$ 25.20	Body Bushing 210219	\$ 17.90	Square Adapter 211721	\$ 107.10
O-Ring B01117	\$ 13.70	Trunion 2-Way 210599	\$ 80.90		
Back Up Washer B01578	\$ 13.70	Trunion 180° 210224	\$ 80.90	<b>Hipco Air Operated Valves</b>	
Ball Seat Assembly 210233	\$ 83.00	Trunion Diverter 210359	\$ 80.90	<b>Normally Closed - air to open</b>	
Ball Seat 210231	\$ 48.30	Bottom Bushing 210218	\$ 17.90	Spring B-1397 60,000 psi, 30,000 psi and Taper Seal	\$ 83.00
Ball Seat Holder 210232	\$ 48.30	Body 601935	\$ 277.20	Spring B-1428 20,000 psi series	\$ 83.00
Belleville Washer B01604	\$ 11.60	O-Ring B-1584	\$ 15.80	O-ring B-1350 Set (2)	\$ 30.50
Packing Washer 210234	\$ 17.90	O-Ring B-1583	\$ 15.80	O-ring B-105	\$ 15.80

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<b>Normally Open - air to close</b>		<b>Normally Open - air to close</b>		Packing Set Teflon/Nylatron 214089	\$ 52.50
Spring B-395	\$ 43.10	<b>"D" Series</b>		Lens Ring 2-1238	\$ 72.50
O-ring B-105	\$ 15.80	Spring B-395	\$ 43.10	HF4 Removable Seat Gland 2-750	\$ 164.90
<b>10,000 psi Series (AF4 and AF6)</b>		Diaphragm B-828	\$ 57.80	HF6 Removable Seat Gland 2-751	\$ 164.90
Stem 2-7624	\$ 144.90	Gasket B-451	\$ 21.00	HF9 Removable Seat Gland 2-752	\$ 164.90
Packing Gland 2-7525	\$ 99.80	<b>10,000 psi Series</b>		Grafoil Packing B-1379	\$ 17.90
Locknut B-1225	\$ 16.80	Stem 2-4324	\$ 144.90	<b>100,000 psi Series</b>	
<b>30,000 psi Series</b>		Top Packing Washer 2-1764	\$ 30.50	Stem 2-5432 A	\$ 144.90
Stem 2-7622	\$ 144.90	Teflon Packing B-185 Set (2)	\$ 29.40	Packing Set Teflon/Nylatron 21408	\$ 52.50
Packing Gland 2-7525	\$ 99.80	Polypak B-1406	\$ 26.30	Top Packing Washer 2-717	\$ 18.90
Locknut B-1225	\$ 16.80	Bottom Packing Washer 2-1764	\$ 30.50	Teflon Packing B-195	\$ 15.80
<b>60,000 psi Series</b>		Lens Ring 2-4325	\$ 72.50	Bottom Packing Washer 2-716	\$ 17.90
Stem 2-9426	\$ 144.90	Removable Seat Gland 2-898	\$ 164.90	Spacer 2-718	\$ 16.80
Packing Gland 2-7525	\$ 99.80	<b>20,000 psi Series</b>		Lens Ring 2-5434	\$ 73.50
Locknut B-1225	\$ 16.80	Spring (Normally Closed) B-1068	\$ 257.30	XF4 Removable Seat Gland 2-8519	\$ 164.90
<b>LF4 and LF6 Series</b>		Spring (Normally Open) B-395	\$ 43.10	XF6 Removable Seat Gland 2-6785	\$ 164.90
Stem 2-8215	\$ 147.00	Diaphragm B-828	\$ 57.80	<b>Complete Lower Section Valve Assemblies,</b>	
Packing Gland 2-8217	\$ 98.70	Gasket B-451	\$ 21.00	<b>Including Body, Stem, Packing Components,</b>	
Locknut 2-2480	\$ 25.20	Stem 2-4324	\$ 144.90	<b>etc. for assembly to existing Air Operator</b>	
<b>LF9 Series (rated 10,000 psi)</b>		Top Packing Washer 2-1764	\$ 30.50	30R-12HF4R Lower Unit	\$ 839.00
Upper Stem 2-8799	\$ 87.20	Teflon Packing B-185 Set (2)	\$ 29.40	30R-12HF6R Lower Unit	\$ 839.00
Lower Stem 2-7467	\$ 74.60	Bottom Packing Washer 2-1764	\$ 30.50	30R-12HF9R Lower Unit	\$ 962.90
Packing Gland 2-8822	\$ 99.80	Lens Ring 2-4325	\$ 72.50	10R-12LF9R Lower Unit	\$ 962.90
Locknut 2-8390	\$ 25.20	Removable Seat Gland 2-8208	\$ 164.90	20R-12LF9R Lower Unit	\$ 1,041.60
Diaphragm B-1356	\$ 39.90	<b>30,000 psi Series</b>		60R-12HF4R Lower Unit	\$ 839.00
Snap Ring B-1351 Set (2)	\$ 18.90	Stem 2-2890	\$ 144.90	60R-12HF6R Lower Unit	\$ 839.00
Support Washer 2-7526	\$ 27.30	Top Packing Washer 2-154	\$ 18.90	60R-12HF9R Lower Unit	\$ 962.90
Hex Nut (Nylok) B-1354	\$ 15.80	Teflon Packing B-181	\$ 15.80	100R-12XF6R Lower Unit	\$ 1,439.60
<b>Remarco Air Operated Valves</b>		Bottom Packing Washer 2-156	\$ 17.90	10R-12HF9R Lower Unit	\$ 837.90
<b>Normally Closed - air to open</b>		Spacer 2-155	\$ 16.80	<b>Relief Valves</b>	
<b>"SD" Series</b>		Packing Set Teflon/Nylon 210291	\$ 51.50	Assembly 4-2633	
Spring B-780	\$ 111.30	Lens Ring 2-753	\$ 72.50	Stem 2-8545	\$ 110.30
Diaphragm B-828	\$ 57.80	HF4 Removable Seat Gland 2-750	\$ 164.90	Viton O-ring B-821	\$ 15.80
Gasket B-451	\$ 21.00	HF6 Removable Seat Gland 2-751	\$ 164.90	Removable Seat Gland 2-3502	\$ 164.90
		HF9 Removable Seat Gland 2-752	\$ 164.90	2-8554 Stem Seat	\$ 62.00
		<b>60,000 psi Series</b>		<b>Seal Ring Seat</b>	
		Stem 2-2886	\$ 144.90	2-8547 - 3,000 to 10,999 psi	\$ 123.90
		Top Packing Washer 2-717	\$ 18.90	2-8537 - 11,000 to 20,999 psi	\$ 123.90
		Teflon Packing B-195	\$ 15.80	2-8548 - 21,000 to 30,000 psi	\$ 123.90
		Bottom Packing Washer 2-716	\$ 17.90	210857 - 30,001 to 45,000 psi	\$ 123.90
		Spacer 2-718	\$ 16.80	210858 - 45,001 to 60,000 psi	\$ 123.90

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# High Pressure Equipment

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<b>High Temperature Valves</b>		<b>Pressure Generators</b>		<b>Model 81-5.75-10</b>	
<b>30,000 psi Series</b>		<b>Model 87-6-5</b>		Shaft 2-8128 \$ 368.60	
Handle 2-151	\$ 22.10	Shaft 2-450 (7/8)	\$ 692.00	Top Packing Washer 2-8137	\$ 107.10
Stem Assembly 210154	\$ 200.60	Nut 2-1482	\$ 719.30	Polypak Seal B-1401 Set (2)*	\$ 57.80
Packing Gland 2-152	\$ 45.20	Top Packing Washer 2-7357	\$ 73.50	Teflon Packing B-1399	\$ 57.80
Locking Device Collar 2-7450	\$ 43.10	Teflon Packing B-208*	\$ 57.80	Bottom Washer 2-8221	\$ 87.20
High Temperature Housing 2-6880	\$ 147.00	Bottom Washer 2-7358	\$ 64.10		
Top Packing Washer 2-188	\$ 29.40	Polypak Seal B-1369 Set (2)*	\$ 57.80	<b>Model 68-5.75-15</b>	
Bottom Packing Washer 2-187	\$ 25.20			Shaft 2-8129	\$ 368.60
Grafoil Packing B-1357 Set (3)	\$ 22.10	<b>Model 62-6-10</b>		Top Packing Washer 2-8138	\$ 107.10
Gasket 213534	\$ 43.10	Shaft 2-450 (5/8)	\$ 692.00	Polypak Seal B-1402 Set (2)*	\$ 57.80
		Nut 2-1482	\$ 719.30	Teflon Packing B-1400	\$ 57.80
<b>20,000 psi Series (LF4 and LF6)</b>		Top Packing Washer 2-6203	\$ 73.50	Bottom Washer 2-8222	\$ 87.20
Handle 2-151	\$ 22.10	Teflon Packing B-201*	\$ 57.80		
Stem Assembly 2-8262	\$ 200.60	Bottom Washer 2-1773	\$ 64.10	<b>Model 50-5.75-30</b>	
Packing Gland 2-7730	\$ 45.20	Polypak Seal B-1370 Set (2)*	\$ 57.80	Shaft 2-8130	\$ 368.60
Locking Device 2-7733	\$ 22.10			Top Packing Washer 2-8139	\$ 107.10
High Temperature Housing 2-8264	\$ 147.00	<b>Model 50-6-15</b>		Polypak Seal B-1371 Set (2)*	\$ 57.80
Top Packing Washer 2-7731	\$ 22.10	Shaft 2-450 (1/2)	\$ 692.00	Teflon Packing B-1066	\$ 57.80
Bottom Packing Washer 2-7732	\$ 22.10	Nut 2-1482	\$ 719.30	Bottom Washer 2-5410	\$ 64.10
Grafoil Packing B-1391 Set (2)	\$ 22.10	Top Packing Washer 2-5408	\$ 73.50		
Seal Ring 2-8265	\$ 62.00	Teflon Packing B-1066*	\$ 57.80	<b>Model 37-5.75-60</b>	
		Bottom Washer 2-5410	\$ 64.10	Shaft 2-4861	\$ 368.60
<b>20,000 psi Series (LF9)</b>		Polypak Seal B-1371 Set (2)*	\$ 57.80	Top Packing Washer 2-5853	\$ 107.10
Handle 2-754	\$ 29.40	<b>Model 37-6-30</b>		Polypak Seal B-1373 Set (2)*	\$ 57.80
Upper Stem Assembly 207979	\$ 52.50	Shaft 2-450 (3/8)	\$ 692.00	Teflon Packing B-777 Set (6)	\$ 57.80
Lower Stem Assembly 208388	\$ 163.80	Nut 2-1482	\$ 719.30	Bottom Washer 2-4117	\$ 30.50
Packing Gland 2-7737	\$ 56.70	Top Packing Washer 2-6234	\$ 73.50		
Locking Device 2-7734	\$ 22.10			<b>Model 31-5.75-75</b>	
High Temperature Housing 2-8389	\$ 147.00	Teflon Packing B-1142	\$ 57.80	Shaft 2-8749	\$ 368.60
Top Packing Washer 2-7738	\$ 26.30	Bottom Washer 2-6235	\$ 64.10	Top Packing Washer 2-8750	\$ 107.10
Bottom Packing Washer 2-7342	\$ 25.20	Polypak Seal B-1372 Set (2)*	\$ 57.80	Polypak Seal B-1418 Set (2)	\$ 57.80
Grafoil Packing B-1386 Set (2)	\$ 22.10	<b>Model 112-5.75-5</b>			
Seal Ring 2-8391	\$ 72.50	Shaft 2-8127	\$ 368.60	<b>Model 25-5.75-100</b>	
		Top Packing Washer 2-8136	\$ 107.10	Shaft 2-9619	\$ 761.30
Note: Polypak packing is supplied as standard and requires no bottom packing washer.		Polypak Seal B-1396 Set (2)*	\$ 57.80	Top Packing Washer 2-8765	\$ 107.10
When Teflon packing is used, a bottom packing washer must be installed.		Teflon Packing B-1398*	\$ 57.80	Polypak Seal B-1419 Set (2)	\$ 57.80
		Bottom Washer 2-8220	\$ 87.20		

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<b>Spare Parts Kits</b>	<b>15-41AF1T/2T-RK</b>	\$ 88.20	<b>20-LF9-RK</b>	\$ 135.50
<b>Taper Seal</b>	Poppet 202272		Lower Stem 213927	
<b>Hand Valves / Check Valves</b>	O-Ring (Buna) B00159		Packing 207341 (2)	
<b>15-AF1-RK</b>	Spring B00551		Top Washer 207738	
Stem Assembly 202645	Gasket B00552		Bottom Washer 207342	
Top Washer 200267				
Packing B00195	<b>10-41AF4/6-RK</b>	\$ 69.30	<b>20-LF9-R-RK</b>	\$ 194.30
Bottom Washer 200266	Ball B00521		Lower Stem 213927	
	Ball Support 207900		Packing 207341 (2)	
<b>15-15AF1-RK</b>	Spring B00551		Top Washer 207738	
Stem Assembly 202645	Gasket B00552		Bottom Washer 207342	
Top Washer 200267			Lens Ring 200897	
Packing B00195	<b>10-41AF4T/6T-RK</b>	\$ 88.20		
Bottom Washer 200266	Poppet 202272		<b>20-15LF9-RK</b>	\$ 259.40
	O-Ring (Buna) B00159		Lower Stem 213927 (2)	
<b>15-AF2-RK</b>	Spring B00551		Packing 207341 (4)	
Stem Assembly 202645	Gasket B00552		Top Washer 207738 (2)	
Top Washer 200267			Bottom Washer 207342 (2)	
Packing B00195	<b>Medium Pressure</b>			
Bottom Washer 200266	<b>Hand Valves - New Style</b>		<b>Medium Pressure</b>	
	<b>- Slotted Stem</b>		<b>Hand Valves</b>	
<b>15-15AF2-RK</b>	<b>20-LF4/6-RK</b>	\$ 109.20	<b>20-LF12-RK</b>	\$ 206.90
Stem Assembly 202645 (2)	Lower Stem 213933		Lower Stem 208679	
Top Washer 200267 (2)	Top Washer 207731		Top Washer 208754	
Packing B00195 (2)	Packing B01392 (2)		Packing 208740 (2)	
Bottom Washer 200266 (2)	Bottom Washer 207732		Bottom Washer 208755	
<b>10-AF4/6-RK</b>	<b>20-LF4R/6R-RK</b>	\$ 170.10	<b>20-15LF12-RK</b>	\$ 404.30
Lower Stem 213912	Lower Stem 213933		Lower Stem 208679 (2)	
Top Washer 200154	Top Washer 207731		Top Washer 208754 (2)	
Packing B00181	Packing B01392 (2)		Packing 208740 (4)	
Bottom Washer 200156	Bottom Washer 207732		Bottom Washer 208755 (2)	
	Lens Ring 208432			
<b>10-15AF4/6-RK</b>	<b>20-15LF4/6-RK</b>	\$ 212.10	<b>20-12LF12-R-RK</b>	\$ 293.00
Lower Stem 213912 (2)	Lower Stem 213933 (2)		Lower Stem 208679	
Top Washer 200154 (2)	Top Washer 207731 (2)		Top Washer 208754	
Packing B00181 (2)	Packing B01392 (4)		Packing 208740 (2)	
Bottom Washer 200156 (2)	Bottom Washer 207732 (2)		Bottom Washer 208755	
			Lens Ring 209279	
<b>15-41AF1/2-RK</b>				
Ball B00521				
Ball Support 207900				
Spring B00551				

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<b>20-LF16-RK</b>	\$ 265.70	<b>20-41LF12-RK</b>	\$ 435.80	<b>High Pressure 30,000-60, 000 psi Hand Valves - New Style, Slotted Stem</b>
Lower Stem 208685		Cover 209401		
Top Washer 208756		Ball B01461		
Packing 208741 (2)		Spring B01439		<b>30-HF4/6/9-RK</b>
Bottom Washer 208757		Ball Support 209532		\$ 126.00
				Lower Stem 213910
				Top Washer 200154
<b>20-15LF16-RK</b>	\$ 522.90	<b>20-41LF12-T-RK</b>	\$ 503.00	Packing B00181
Lower Stem 208685 (2)		Cover 209401		Bottom Washer 200156
Top Washer 208756 (2)		O-Ring B02003		Bottom Spacer 200155
Packing 208741 (4)		Spring B01439		
Bottom Washer 208757 (2)		Poppet 209275		<b>30-HF4/6/9R-RK</b>
				\$ 186.90
				Lower Stem 213910
<b>20-12LF16-R-RK</b>	\$ 368.60	<b>20-41LF16-RK</b>	\$ 431.60	Top Washer 200154
Lower Stem 208685		Cover 209085-H1150		Packing B00181
Top Washer 208756		Ball B01470		Bottom Washer 200156
Packing 208741 (2)		Spring B01429		Bottom Spacer 200155
Bottom Washer 208757		Ball Support 209554		Lens Ring 200753
Lens Ring 209972				
		<b>20-41LF16-T-RK</b>	\$ 508.20	<b>30-15HF4/6/9-RK</b>
<b>Medium Pressure Check Valves</b>		Cover 209085-H1150		\$ 241.50
<b>20-41LF4/6-RK</b>	\$ 69.30	O-Ring B01421		Lower Stem 213910 (2)
Ball B00521		Spring B01429		Top Washer 200154 (2)
Ball Support 207900		Poppet 209086		Packing B00181 (2)
Spring B00551				Bottom Washer 200156 (2)
Gasket B00552		<b>High Pressure Hand Valves</b>		Bottom Spacer 200155 (2)
		<b>30-HF2-RK</b>	\$ 126.00	
<b>20-41LF4T/6T-RK</b>	\$ 88.20	Stem Assembly 202645		<b>60-HF2/4/6/9-RK</b>
Poppet 202272		Top Washer 200267		\$ 130.20
O-Ring (Buna) B00159		Packing B00195		Lower Stem 213911
Spring B00551		Bottom Washer 200266		Top Washer 200717
Gasket B00552				Packing Set 214089
		<b>30-15HF2-RK</b>	\$ 241.50	Bottom Washer 200716
<b>20-41LF9-RK</b>	\$ 76.70	Stem Assembly 202645 (2)		
Ball B00522		Top Washer 200267 (2)		<b>60-HF2/4/6/9R-RK</b>
Ball Support 207901		Packing B00195 (2)		\$ 192.20
Spring B00958		Bottom Washer 200266 (2)		Lower Stem 213911
Gasket B00959				Top Washer 200717
				Packing Set 214089
<b>20-41LF9T-RK</b>	\$ 104.00			Bottom Washer 200716
Poppet 204740				Lens Ring 201238
O-Ring (Buna) B00104				
Spring B00958				<b>60-15HF2/4/6/9-RK</b>
				\$ 252.00
				Lower Stem 213911 (2)
				Top Washer 200717 (2)
				Packing Set 214089 (2)
				Bottom Washer 200716 (2)

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<b>High Pressure</b> <b>30,000 PSI Check Valves</b> <b>30-41HF2/4/6/9T-RK</b> \$      88.20 Poppet 202272 O-Ring (Buna) B00159 Spring B00551 Gasket B00552	<b>100-12XF4-R-RK</b> \$      361.20 Stem Assembly 210127 Top Washer 402485C Packing 208691 (3) Bottom Washer 200716 Lens Ring 205434	<b>Trunion Ball Valves .375 2-Way</b> <b>15-74BV-RK</b> \$      352.80 O-Ring B01117 Back-up Ring B01578 Ball Seat Assembly 210220 (2) Packing Washer 210223 (2) Back-up Washer 210288 (4)
<b>High Pressure</b> <b>60,000 PSI Check Valves</b> <b>60-41HF2/4/6/9-RK</b> \$      57.80 Ball B00516 Ball Support 207900 Spring B00551	<b>150-12XF6-R-RK</b> \$      361.20 Stem Assembly 210127 Top Washer 402485C Packing 208691 (3) Bottom Washer 200716 Lens Ring 205434	Trunion 210599 O-Ring B01584 (2) O-Ring B01583 O-Ring B00809 (2)
<b>60-41HF4/6/9T-RK</b> \$      90.30 Poppet 202272 O-Ring (Buna) B00159 Spring B00551 Gasket B00310	<b>Ball Valves</b> <b>Trunion Ball Valves .187 2-Way</b> <b>20-71BV-RK</b> \$      282.50 O-Ring B01117 (3) Back-up Ring B01578 Ball Seat Assembly 210233 (2) Packing Washer 210234 (2) Back-up Washer 210286 (4)	<b>Trunion Ball Valves .375 3-Way</b> <b>90 Degree</b> <b>15-76BV-RK</b> \$      352.80 O-Ring B01117 Back-up Ring B01578 Ball Seat Assembly 210220 (2) Packing Washer 210223 (2) Back-up Washer 210288 (4)
<b>Ultra High Pressure</b> <b>Manual Valves</b> <b>100-XF4/150-XF6-RK</b> \$      297.20 Stem Assembly 210127 Top Washer 402485C Packing 208691 Bottom Washer 200716	Trunion 210598 O-Ring B00823 (2) O-Ring B01032	Trunion 210359 O-Ring B01584 (2) O-Ring B01583 O-Ring B00809 (2)
<b>100-15XF4-RK</b> \$      585.90 Stem Assembly 210127 (2) Top Washer 402485C (2) Packing 208691 Bottom Washer 200716 (2)	<b>Trunion Ball Valves .187 3-Way 90 Degree</b> <b>20-73BV-RK</b> \$      282.50 O-Ring B01117 (3) Back-up Ring B01578 Ball Seat Assembly 210233 (2) Packing Washer 210234 (2) Back-up Washer 210286 (4)	<b>Trunion Ball Valves .500 2-Way</b> <b>10-80BV-RK</b> \$      626.90 O-Ring B01101 Back-up Ring B01790 Ball Seat Assembly 211096 (2) Packing Washer 211103 (2) Back-up Washer 211105 (4)
<b>150-15XF6-RK</b> \$      585.90 Stem Assembly 210127 (2) Top Washer 402485C (2) Packing 208691 Bottom Washer 200716 (2)	Trunion 210360 O-Ring B00823 (2) O-Ring B01032	Trunion 211097 O-Ring B01893 (3) O-Ring B01340 (2)

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<b>Trunion Ball Valves .500 3-Way</b> <b>90 Degree</b> <b>10-82BV-RK</b> \$ 668.90 O-Ring B01101 Back-up Ring B01790 Ball Seat Assembly 211096 (2) Packing Washer 211103 (2) Back-up Washer 211105 (4) Trunion 211676 O-Ring B01893 (3) O-Ring B01340 (2)	<b>Trunion Ball Valves .500 3-Way</b> <b>180 Degree</b> <b>10-81BV-RK</b> \$ 668.90 O-Ring B01101 Back-up Ring B01790 Ball Seat Assembly 211096 (2) Packing Washer 211103 (2) Back-up Washer 211105 (4) Trunion 211675 O-Ring B01893 (3) O-Ring B01340 (2)	<b>402633-45-RK</b> \$ 183.80 O-Ring B00821 Stem Seat 208554 Seal Ring 210857
<b>Ball Valves</b> <b>Trunion Ball Valves .187 3-Way</b> <b>180 Degree</b> <b>20-72BV-RK</b> \$ 282.50 O-Ring B01117 (3) Back-up Ring B01578 Ball Seat Assembly 210233 (2) Packing Washer 210234 (2) Back-up Washer 210286 (4) Trunion 210235 O-Ring B00823 (2) O-Ring B01032	<b>Free-Floating Ball Valves</b> <b>10/15/2016BV-RK</b> \$ 251.00 O-Ring B00821 (2) Stem 208644 Top Packing Washer 207731-AM45 Packing B01392 (2) Bottom Packing Washer 207732 Bearing Washer 208646 Ball 208647 Ball Seat 208648 (2)	<b>402633-60-RK</b> \$ 183.80 O-Ring B00821 Stem Seat 208554 Seal Ring 210858
<b>Trunion Ball Valves .375 3-Way</b> <b>180 Degree</b> <b>15-75BV-RK</b> \$ 352.80 O-Ring B01117 Back-up Ring B01578 Ball Seat Assembly 210220 (2) Packing Washer 210223 (2) Back-up Washer 210288 (4) Trunion 210224 O-Ring B01584 (2) O-Ring B01583 O-Ring B00809 (2)	<b>Relief Valves / Factory Set</b> <b>402633-03-RK</b> \$ 183.80 O-Ring B00821 Stem Seat 208554 Seal Ring 208547	<b>Relief Valves / Field Adjustable</b> <b>HIP10RV-RK</b> \$ 122.90 O-Ring B01635 Nylon Seat 210368 Spring B01622 Washer 210365 O-Ring B01619 Packing 210451 Washer 210450
	<b>402633-10-RK</b> \$ 183.80 O-Ring B00821 Stem Seat 208554 Seal Ring 208547	<b>HIP20RV-RK</b> \$ 122.90 O-Ring B01635 Nylon Seat 210368 Spring B01622 Washer 210365 O-Ring B01619 Packing 210451 Washer 210450
	<b>402633-20-RK</b> \$ 183.80 O-Ring B00821 Stem Seat 208554 Seal Ring 208537	
	<b>402633-30-RK</b> \$ 183.80 O-Ring B00821 Stem Seat 208554 Seal Ring 208548	

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<b>MINI HIPPO Air Operated Valves</b>				
<b>MH-AF2-RK</b>	\$	172.20	<b>HIPCO-LF9-RK</b>	\$ 176.40
Stem 209426			Lower Stem 207467	
Top Washer 200717			Stem Pin 207983	
Packing B00195			Top Washer 207738	
Bottom Washer 200716			Packing Set 207341 (2)	
			Bottom Washer 207342	
			Diaphragm B01356	
<b>MH-AF4/6-RK</b>	\$	172.20	<b>HIPCO-LF9R-RK</b>	\$ 237.30
Stem 207624			Lower Stem 207467	
Top Washer 200154			Stem Pin 207983	
Packing B00181			Top Washer 207738	
Bottom Washer 200156			Packing Set 207341 (2)	
			Bottom Washer 207342	
			Diaphragm B01356	
<b>MH-HF4/6/9-RK</b>	\$	181.70	Lens Ring 200897	
Stem 207622				
Top Washer 200154			<b>HIPCO Air Operated Valves</b>	
Packing B00181			<b>HIPCO-30-RK</b>	\$ 181.70
Bottom Washer 200156			Stem 207622	
Bottom Spacer 200155			Top Washer 200154	
			Packing B00181	
<b>HIPCO Air Operated Valves</b>			Bottom Washer 200156	
<b>HIPCO-AF4/6-RK</b>	\$	204.80	Bottom Spacer 200155	
Stem 207624			Diaphragm B01356	
Top Washer 200154				
Packing B00181			<b>HIPCO-30R-RK</b>	\$ 244.70
Bottom Washer 200156			Stem 207622	
Diaphragm B01356			Top Washer 200154	
			Packing B00181	
<b>HIPCO-LF4/6-RK</b>	\$	225.80	Bottom Washer 200156	
Stem 208215			Bottom Spacer 200155	
Top Washer 207731			Diaphragm B01356	
Packing B01392 (2)			Lens Ring 200753	
Bottom Washer 207732				
Diaphragm B01356			<b>HIPCO-60-RK</b>	\$ 204.80
			Stem 209426	
<b>HIPCO-LF4R/6R-RK</b>	\$	284.60	Top Washer 200717	
Stem 208215			Packing Set 214089	
Top Washer 207731			Bottom Washer 200716	
Packing B01392 (2)			Diaphragm B01356	
Bottom Washer 207732				
Diaphragm B01356				
Lens Ring 208432				
			<b>HIPCO-60R-RK</b>	\$ 267.80
			Stem 209426	
			Top Washer 200717	
			Packing Set 214089	
			Bottom Washer 200716	
			Diaphragm B01356	
			<b>HIPPO Air Operated Valves (MPO &amp; HPO)</b>	
			<b>HIPPO-AF4/6-RK</b>	\$ 176.40
			Stem 212033	
			Top Washer 200154	
			Packing B00181	
			Bottom Washer 200156	
			<b>HIPPO-LF4/6-RK</b>	\$ 192.20
			Stem 211536	
			Top Washer 207731	
			Packing B01392 (2)	
			Bottom Washer 207732	
			<b>HIPPO-LF4R/6R-RK</b>	\$ 253.10
			Stem 211536	
			Top Washer 207731	
			Packing B01392 (2)	
			Bottom Washer 207732	
			Lens Ring 208432	
			<b>HIPPO-LF9-RK</b>	\$ 143.90
			Lower Stem 207467	
			Stem Pin 207983	
			Top Washer 207738	
			Packing Set 207341 (2)	
			Bottom Washer 207342	
			<b>HIPPO-LF9R-RK</b>	\$ 204.80
			Lower Stem 207467	
			Stem Pin 207983	
			Top Washer 207738	
			Packing Set 207341 (2)	
			Bottom Washer 207342	
			Lens Ring 200897	

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<b>HIPPO Air Operated Valves (MPO &amp; HPO)</b> <b>HIPPO-30-RK</b> \$    186.90 Stem 211527 Top Washer 200154 Packing B00181 Bottom Washer 200156 Bottom Spacer 200155  <b>HIPPO-30R-RK</b> \$    249.90 Stem 211527 Top Washer 200154 Packing B00181 Bottom Washer 200156 Bottom Spacer 200155 Lens Ring 200753  <b>HIPPO-60-RK</b> \$    236.30 Stem 211539 Top Washer 200717 Packing Set 214089 Bottom Washer 200716  <b>HIPPO-60R-RK</b> \$    351.80 Stem 211539 Top Washer 200717 Packing Set 214089 Bottom Washer 200716 Lens Ring 201238  <b>NPT Hand Valves - 1/2", 3/4", &amp; 1"</b> <b>10-NFD-RK</b> \$    265.70 Stem 203976 Top Washer 203524 Packing B00185 (2) Bottom Washer 201764  <b>10FNFF/H-RK</b> \$    265.70 Lower Stem 208685 Top Washer 208756 Packing 208741 (2) Bottom Washer 208757	<b>NPT Hand Valves - New Style</b> <b>10-NFA/B/C-RK</b> \$    126.00 Lower Stem 213910 Top Washer 200154 Packing B00181 Bottom Washer 200156 Bottom Spacer 200155  <b>15FNFA/B-RK</b> \$    109.20 Lower Stem 213933 Top Washer 207731 Packing B01392 (2) Bottom Washer 207732  <b>15FNFC/D-RK</b> \$    136.50  <b>HIPCO NPT Air Operated Valves</b> <b>HIPCO10NFA-RK</b> \$    204.80 Stem 207622 Top Washer 200154 Packing B00181 Bottom Washer 200156 Diaphragm B01356  <b>HIPCO10NFB-RK</b> \$    204.80 Stem 207622 Top Washer 200154 Packing B00181 Bottom Washer 200156 Diaphragm B01356  <b>HIPCO10NFC-RK</b> \$    204.80 Stem 207622 Top Washer 200154 Packing B00181 Bottom Washer 200156 Diaphragm B01356	<b>HIPCO15FNFA/B-RK</b> \$   225.80 Stem 208215 Top Washer 207731 Packing B01392 (2) Bottom Washer 207732 Diaphragm B01356  <b>HIPCO15FNFC/D-RK</b> \$   175.40 Lower Stem 207467 Stem Pin 207983 Top Washer 207738 Packing Set 207341 (2) Bottom Washer 207342 Diaphragm B01356  <b>HIPPO NPT Air Operated Valves (MPO &amp; HPO)</b> <b>HIPPO-15FNFA/B-RK</b> \$   192.20 Stem 211536 Top Washer 207731 Packing B01392 (2) Bottom Washer 207732  <b>HIPPO-15FNFC/D-RK</b> \$   142.80 Lower Stem 207467 Stem Pin 207983 Top Washer 207738 Packing Set 207341 (2) Bottom Washer 207342
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**Equipment Company**

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Erie, Pennsylvania 16505 U.S.A.

Phone: (814) 838-2028 • 1-800-289-7447

Fax: (814) 838-6075

E-Mail: [sales@highpressure.com](mailto:sales@highpressure.com)

Web Site: [www.highpressure.com](http://www.highpressure.com)

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