

**Welch 2018 List Prices - Americas  
v1.2.1 (11/9/2018) - Effective 9/1/2018**

Cat. No.	Type	Description	2018 List Price, \$US
<b>PUMPS</b>			
Cat. No.	Type	Description	2018 Sep List Price, \$US
112036-01	A1	Hold back pump with MPC PTFE Dry pump, 115v 60Hz 1Ph	\$6,225.00
115034	A1	LVS 210 T 2MBAR VAC SYSTEM 230V 50/60 HZ	\$5,900.00
115244-01	A1	LVS310 Z ef, 43 l/min, 8 bar, 115V	\$6,395.00
1374	A	DUOSEAL Unmounted Pump	\$6,275.00
1374B-01	A	DUOSEAL, 115V 60Hz 1Ph	\$7,150.00
1374B-01F	A	DUOSEAL, 115V 60Hz 1Ph, Fomblinized	\$7,800.00
1374B-10	A	DUOSEAL, PUMP W/O MOTOR	\$6,535.00
1374M-01	A	DUOSEAL, 230/460V 60HZ 3PH	\$7,275.00
1376	A	DUOSEAL Unmounted Pump	\$3,925.00
1376B-01	A	DUOSEAL, 115V 60Hz 1Ph	\$4,450.00
1376B-10	A	DUOSEAL, Mounted without motor	\$4,255.00
1376B-46	A	DUOSEAL for Refrigeration, 115V 60Hz 1Ph	\$4,595.00
1376C-03	A	DUOSEAL, 220V 50Hz 1Ph, without CE mark	\$4,785.00
1376C-46	A	DUOSEAL for Refrigeration, 230V 50Hz 1Ph	\$4,595.00
1376M-01	A	DUOSEAL, 230/460V 60HZ 3PH	\$4,745.00
1376N	A	CHEMSTAR Unmounted Pump	\$4,675.00
1376N-01	A	CHEMSTAR, 115V 60Hz 1Ph	\$5,250.00
1376N-01F	A	CHEMSTAR, 115V 60Hz 1Ph Fomblinized	\$5,900.00
1376N-10	A	CHEMSTAR, Mounted without motor	\$4,990.00
1376N-49	A	CHEMSTAR, 220V, 50HZ, 1PH w/o CE mark	\$5,675.00
1376N-53	A	CHEMSTAR, 100V 50HZ 3PH	\$5,675.00
1376N-60	A	CHEMSTAR, 230V 60Hz 1PH	\$5,320.00
1376N-63	A	CHEMSTAR, 100V 60HZ 1PH	\$5,320.00
1380	A	DUOSEAL Unmounted Pump	\$2,795.00
1380B-01	A	DUOSEAL, 115V 60Hz 1Ph	\$3,325.00
1380C-01	A	DUOSEAL, 230V 60Hz 1Ph	\$3,500.00
1397	A	DUOSEAL Unmounted Pump	\$5,425.00
1397B-01	A	DUOSEAL, 115V 60Hz 1Ph	\$5,970.00
1397B-10	A	DUOSEAL, Mounted without motor	\$5,830.00
1397B-46	A	DUOSEAL for Refrigeration, 115V 60Hz 1Ph	\$6,280.00
1397C-03	A	DUOSEAL, 220V 50Hz 1Ph without CE mark	\$6,210.00
1397C-46	A	DUOSEAL, Refrigerant Pump, 230V 50 Hz 1Ph	\$6,280.00
1397M-01	A	DUOSEAL, 230V, 60Hz 3Ph	\$6,280.00
1399	A	DUOSEAL Unmounted Pump	\$1,540.00
1399B-01	A	DUOSEAL, 115V 60Hz 1Ph	\$1,890.00
1399B-10	A	DUOSEAL Mounted without motor	\$1,790.00
1399B-80	A	DUOSEAL, 115V 60Hz 1Ph with CSA	\$1,895.00
1399C-02	A	DUOSEAL, 220V 50Hz 1Ph with Schuko Plug	\$1,985.00
1399N-01	A	DUOSEAL, 115V 60Hz 1Ph with Pump Plate	\$2,550.00
1400	A	DUOSEAL Unmounted Pump	\$1,825.00
1400B-01	A	DUOSEAL, 115V 60Hz 1Ph	\$2,170.00
1400B-01F	A	DUOSEAL PUMP MTD 115V, 60HZ 1PH FOMBLIN	\$2,750.00
1400B-10	A	DUOSEAL, Mounted without motor	\$2,075.00
1400B-80	A	DUOSEAL, 115V, 60Hz 1Ph, CSA	\$2,240.00
1400C-01	A	DUOSEAL, 230V 60Hz 1Ph	\$2,285.00
1400C-02	A	DUOSEAL, 230V 50Hz 1Ph, with CE mark	\$2,300.00
1400N	A	CHEMSTAR Unmounted Pump	\$2,285.00
1400N-01	A	CHEMSTAR, 115V 60Hz 1Ph with Schuko Plug	\$2,595.00
1400N-50	A	CHEMSTAR, 220V 50Hz 1Ph with Schuko Plug	\$2,695.00
1400N-53	A	CHEMSTAR PUMP, 110V 50/60 Hz 1Ph (Japan)	\$2,695.00
1400N-90	A	CHEMSTAR, 115V 60Hz, Exp. Proof Motor	\$3,260.00
1400W-01	A	DUOSEAL, 115V 60Hz 1Ph, Exp. Proof Motor	\$2,850.00
1402	A	DUOSEAL Unmounted Pump	\$2,850.00
1402B-01	A	DUOSEAL, 115V 60Hz 1Ph	\$3,140.00
1402B-10	A	DUOSEAL, Mounted without motor	\$3,060.00
1402B-46	A	DUOSEAL for Refrigeration, 115V 60Hz 1Ph	\$3,350.00
1402B-80	A	DUOSEAL, 115V, 60Hz 1Ph, CSA	\$3,400.00
1402C-01	A	DUOSEAL, 230V 60Hz 1Ph	\$3,390.00
1402C-02	A	DUOSEAL, 220V 50Hz 1Ph with Schuko Plug/CE mark	\$3,370.00

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1402C-46	A	DUOSEAL for Refrigeration, 230V 50Hz 1Ph	\$3,550.00
1402M-01	A	DUOSEAL, 230/460V 60Hz 3Ph	\$3,630.00
1402N	A	CHEMSTAR Unmounted Pump	\$3,475.00
1402N-01	A	CHEMSTAR PUMP MOUNTED, 115V,60HZ,1PH	\$3,730.00
1402N-10	A	CHEMSTAR Without Motor	\$3,640.00
1402N-50	A	CHEMSTAR, 220V 50Hz 1Ph with Schuko Plug	\$4,000.00
1402N-53	A	CHEMSTAR, 100V 50Hz 1Ph	\$4,000.00
1402N-60	A	CHEMSTAR, MOUNTED PUMP 230V, 60HZ, 1PH	\$3,970.00
1402N-90	A	CHEMSTAR EXPL.PROOF PUMP 1402N	\$4,655.00
1402W-01	A	DUOSEAL,PUMP 115/60 1PH EXP PRF MOTOR	\$4,130.00
1405	A	DUOSEAL Unmounted Pump	\$2,410.00
1405B-01	A	DUOSEAL,MOUNTED PUMP 115V/60HZ 1PH	\$2,945.00
1405B-10	A	DUOSEAL, PUMP W/O MOTOR	\$2,780.00
1405B-80	A	DUOSEAL, MOUNTED PUMP 115V, 60Hz 1Ph, CSA	\$3,115.00
1405C-02	A	DUOSEAL,MOUNTED PUMP 230V 50Hz 1Ph, with CE mark	\$3,105.00
1405W-01	A	DUOSEAL, MOUNTED PUMP 115V 60Hz 1Ph, Exp. Proof Motor	\$3,845.00
142601	A	GELMASTER, 115V 60Hz 1Ph	\$2,925.00
142602	A	GELMASTER, 230V 50Hz 1Ph with Schuko Plug	\$2,925.00
142604	A	GELMASTER, 100V 50/60HZ 1Ph	\$2,925.00
142606	A	GELMASTER, 230V 50Hz 1Ph with UK plug	\$2,925.00
2014B-01	A	PTFE Dry Pump, Collegiate, 40 torr, 35L/min, 115V / 60 Hz 1Ph	\$1,480.00
2014C-02	A	PTFE Dry Pump, Collegiate, 40 torr, 29L/min, 230V / 50 Hz 1Ph	\$1,480.00
2019B-01	A	PTFE Filtration Pump, Collegiate, 24" Hg, 37 L/min, 115V / 60 Hz 1Ph	\$865.00
2019C-02	A	PTFE Filtration Pump, Collegiate, 24" Hg, 31 L/min, 230V / 50 Hz 1Ph	\$865.00
202501	A	Self-Cleaning Dry Vacuum System, 115V 60Hz 1Ph	\$3,515.00
202503	A	Self-Cleaning Dry Vacuum System, 230V 50Hz 1Ph with CE & Schuko Plug	\$3,515.00
202505	A	Self-Cleaning Dry Vacuum System, 100V 50/60Hz 1Ph	\$3,515.00
202601	A	Self-Cleaning Dry Vacuum System, 115V/60HZ,(2 TORR)	\$4,125.00
202701	A	Self-Cleaning Dry Vacuum System w/digital gauge, 115V 60Hz 1Ph,2 Torr	\$4,400.00
202703	A	Self-Cleaning Dry Vacuum System w/digital gauge, 230V 50Hz 1Ph, CE,2 Torr	\$4,400.00
202705	A	Self-Cleaning Dry Vacuum System w/digital gauge, 100V 50/60Hz 1Ph,2 Torr	\$4,400.00
202801	A	Programmable Self-Cleaner 35L/min, 2 Torr, 115V 60Hz, 1Ph	\$5,565.00
202803	A	Programmable Self-Cleaner 29L/min, 2.7 mbar, 230V 50Hz, 1Ph with CE mark	\$5,565.00
202805	A	Programmable Self-Cleaner 35L/min, 2 Torr, 100V 50/60Hz, 1Ph	\$5,565.00
2032B-01	A	PTFE Dry Pump 2 Torr, 25L/min 115V 60Hz 1Ph	\$2,970.00
2032C-02	A	PTFE Dry Pump 2.7 mbar, 21L/min 230V 50Hz 1Ph with CE mark	\$2,970.00
2032C-05	A	PTFE Dry Pump 2 Torr, 25L/min 100V 50/60Hz 1Ph	\$2,970.00
2034B-01	A	PTFE Dry Pump 9 Torr, 25L/min 115V 60Hz 1Ph	\$2,080.00
2034C-02	A	PTFE Dry Pump 12 mbar, 21L/min 230V 50Hz 1Ph with CE mark	\$2,080.00
2034C-05	A	PTFE Dry Pump 9 Torr, 25L/min 100V 50/60Hz 1Ph	\$2,080.00
2037B-01	A	PTFE Dry Pump, 50 Torr, 50L/min, 115V 60Hz 1Ph	\$2,300.00
2037C-02	A	PTFE Dry Pump, 67mbar, 42L/min, 230V 50Hz 1Ph with CE mark	\$2,300.00
2037C-05	A	PTFE Dry Pump, 50 Torr, 50L/min, 100V 50/60Hz 1Ph with CE mark	\$2,300.00
2042B-01	A	PTFE Dry Pump, 2 Torr , 35L/min, 115V 60Hz 1Ph	\$3,360.00
2042C-02	A	PTFE Dry Pump, 2.7 mbar , 29L/min with CE mark, 230V 50Hz 1Ph with CE mark	\$3,360.00
2042C-05	A	PTFE Dry Pump, 2 Torr , 35L/min, 100V 50/60Hz 1Ph	\$3,360.00
2044B-01	A	PTFE Dry Pump, 9 Torr, 35L/min, 115V 60Hz 1Ph	\$2,425.00
2044C-02	A	PTFE Dry Pump, 12 mbar, 29L/min with CE mark, 230V 50Hz 1Ph	\$2,425.00
2044C-05	A	PTFE Dry Pump, 9 Torr, 35L/min, 100V 50/60Hz 1Ph	\$2,425.00
2047B-01	A	PTFE Dry Pump, 30 Torr, 70L/min, 115V, 60Hz 1Ph	\$2,710.00
2047C-02	A	PTFE Dry Pump, 40mbar, 58L/min with CE mark, 230V 50Hz 1Ph with CE mark	\$2,710.00
2047C-05	A	PTFE Dry Pump, 30 Torr, 70L/min, 100V, 50/60Hz 1Ph	\$2,710.00
2050B-01	A	GEMINI Dry Pump, 190 Torr, 8.5L/min,115V,60Hz,1Ph	\$690.00
2050C-02	A	GEMINI Dry Pump, 190 Torr, 8.5L/min,230V,60Hz,1Ph	\$690.00
2052B-01	A1	PTFE PUMP 115V 60HZ, 1.5 Torr 65 Lpm	\$3,995.00
2052C-02	A1	PTFE PUMP 230V 50HZ, 1.5 Torr 54 Lpm	\$4,060.00
2054B-01	A1	PTFE PUMP 115V 60HZ, 6 Torr 97 Lpm	\$4,250.00
2054C-02	A1	PTFE PUMP 230V 50HZ, 6 Torr 81 Lpm	\$4,300.00
2060B-01	A	GEMINI Dry Pump w/ Regulator/Gauge, 200 Torr, 13L/min,115V,60Hz,1Ph	\$810.00
2060C-02	A	GEMINI Dry Pump w/ Regulator/Gauge, 200 Torr, 13L/min,230V,50Hz,1Ph	\$810.00
2062B-01	A1	PTFE PUMP 115V 60HZ, 1.5 Torr 119 Lpm	\$4,880.00
2062C-02	A1	PTFE PUMP 230V 50HZ, 1.5 Torr 99 Lpm	\$4,880.00
2064B-01	A1	PTFE PUMP 115V 60HZ, 6 Torr 174 Lpm	\$5,415.00

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2064C-02	A1	PTFE PUMP 230V 50HZ, 6 Torr 145 Lpm	\$5,415.00
2067B-01	A1	PTFE PUMP 115V 60HZ, 56 Torr 222 Lpm	\$6,100.00
2067C-02	A1	PTFE PUMP 230V 50HZ, 56 Torr 185 Lpm	\$6,100.00
2070B-01	A	CHEMSTAR DRY VAC SYSTEM 115V, 150 L/min, 0.05 TORR	\$8,395.00
2070C-02	A	CHEMSTAR DRY VAC SYSTEM 230V 50/60HZ, 150 L/min, 0.05 TORR	\$8,395.00
2071B-01	A	CHEMSTAR DRY VAC SYSTEM 115V, 150 L/min, 0.095 TORR	\$4,995.00
2071C-01	A	CHEMSTAR DRY VAC SYSTEM 230V,60HZ, 150 L/min, 0.095 TORR	\$4,995.00
2080B-01	A	CHEMSTAR DRY VAC SYSTEM 115V, 300 L/min @2Torr	\$11,995.00
2080C-01	A	CHEMSTAR DRY VAC SYSTEM 230V,60HZ, 300 L/min @2Torr	\$11,995.00
2080C-02	A	CHEMSTAR DRY VAC SYSTEM 230V 50/60HZ, 300 L/min, 0.05 TORR	\$11,995.00
2115B-01	A1	On-Demand Vacuum System, 6 Torr, 35 L/min, 115V, 50/60Hz, 1Ph, US Plug	\$6,500.00
2120B-01	A1	On-Demand Vacuum System, 6 Torr, 65 L/min, 115V, 50/60Hz, 1Ph, US Plug	\$8,145.00
2154B-01	A1	STD DUTY DIA PUMP 115V 60HZ, 6 Torr 97 Lpm	\$3,075.00
2154C-02	A1	STD DUTY DIA PUMP 230V 50HZ, 6 Torr 81 Lpm	\$3,075.00
2163B-01	A1	Al-Head Diaphragm Pump, 115V, 6 torr, 174 L/min	\$4,820.00
2163C-02	A1	Al-Head Diaphragm Pump, 230V, 6 torr, 174 L/min	\$4,820.00
2200B-01	A1	Laboratory Vacuum System, Variable speed, 1.5 Torr, 16 L/min, 115V, 50/60 Hz 1Ph, US Plug	\$6,510.00
2210B-01	A1	Laboratory Vacuum System, Variable speed, 1.5 Torr, 36 L/min, 115V, 50/60 Hz 1Ph, US Plug	\$7,160.00
2220B-01	A1	Laboratory Vacuum System, Variable speed, 1.5 Torr, 81 L/min, 115V, 50/60 Hz 1Ph, US Plug	\$9,225.00
2230B-01	A1	Laboratory Vacuum System, Variable speed, 1.5 Torr, 151 L/min, 115V, 50/60 Hz 1Ph, US Plug	\$12,490.00
2511B-01	A	Pressure Vacuum Station, 115V 60Hz 1Ph	\$355.00
2511B-75	A	Aspirator & Pressure Transfer Station, 115V 60Hz	\$890.00
2511C-02	A	Pressure Vacuum Station, 230V 50Hz 1Ph	\$355.00
2511C-05	A	Pressure Vacuum Station, 100V 50/60Hz 1Ph w/PSE Mark	\$355.00
2511C-08	A	Pressure Vacuum Station, 100V 50/60Hz 1Ph w/PSE Mark	\$355.00
2511C-75	A	Aspirator & Pressure Transfer Station, 230V 50Hz w/Schuko plug w/CE mark	\$890.00
2511C-76	A	Aspirator & Pressure Transfer Station, 100V 50/60Hz w/PSE mark	\$890.00
2515B-75	A	Cell Culture Aspiration Station, 115V, 60Hz	\$1,490.00
2515C-75	A	Cell Culture Aspiration Station, 230V, 50Hz w/Schuko plug w/CE mark	\$1,490.00
2515C-76	A	Cell Culture Aspiration Station, 100V, 50/60Hz	\$1,490.00
2522B-01	A	Wob-I Pressure/Vacuum Dry Pump, 115V 60Hz 1Ph	\$610.00
2522C-02	A	Wob-I Pressure/Vacuum Dry Pump, 230V 50Hz 1Ph, with CE mark	\$610.00
2522C-05	A	Wob-I Pressure/Vacuum Dry Pump, 100V 50/60Hz 1Ph	\$610.00
2534B-01	A	Wob-I Pressure/Vacuum Dry Pump, 115V 60Hz 1Ph	\$695.00
2534C-01	A	Wob-I Pressure/Vacuum Dry Pump, 230V 60Hz 1Ph	\$695.00
2534C-02	A	Wob-I Pressure/Vacuum Dry Pump, 230V 50Hz 1Ph, CE	\$695.00
2546B-01	A	Wob-I Pressure/Vacuum Dry Pump, 115V 60Hz 1Ph	\$775.00
2546C-01	A	WOB-L PRESSURE/VACUUM DRY PUMP, 230V 60HZ 1PH	\$775.00
2546C-02	A	Wob-I Pressure/Vacuum Dry Pump, 230V 50Hz 1Ph, with CE mark	\$775.00
2561B-50	A	Wob-I Dry Pump with Inlet Trap and Gauge, 115V 60Hz 1Ph, with CE mark	\$1,795.00
2561C-50	A	Wob-I Dry Pump with Inlet Trap and Gauge, 230V 50Hz 1Ph, with CE mark	\$1,795.00
2561C-56	A	Wob-I Dry Pump with Inlet Trap and Gauge, 100V 50/60Hz 1Ph	\$1,795.00
2562B-01	A	Wob-I Dry Pump, 115V 60Hz 1Ph	\$1,130.00
2562C-02	A	Wob-I Dry Pump, 230V 50Hz 1Ph, with CE mark	\$1,130.00
2562C-50	A	Wob-I Dry Pump with Inlet Trap and Gauge, 230V 50Hz 1Ph, with CE mark	\$1,425.00
2563B-24	A	Wob-I Dry Pump, 115V 60Hz, with UL	\$1,635.00
2563C-24	A	Wob-I Dry Pump, 230V, 60Hz, with CE	\$1,635.00
2567B-01	A	Wob-I Dry Pump 115V 60Hz 1PH	\$1,125.00
2567B-50	A	Wob-I Dry Pump with Inlet Trap and Gauge, 115V 60Hz 1Ph	\$1,425.00
2567C-02	A	Wob-I Dry Pump, 230V 50Hz 1Ph, CE	\$1,125.00
2567C-50	A	Wob-I Dry Pump with Inlet Trap and Gauge, 230V 50Hz 1Ph, with CE mark	\$1,425.00
2580B-01	A	Wob-I Dry Pump, 115V 60Hz 1Ph	\$1,635.00
2580B-50	A	WOB-L PUMP W/TRAP AND GAUGE, 115/60 1PH	\$2,050.00
2580C-02	A	Wob-I Dry Pump, 230V 50Hz 1Ph, CE	\$1,635.00
2581B-24	A	Wob-I Dry Pump, 115V 60Hz 1Ph, UL/CSA, NW25 w/hose barb	\$2,140.00
2581B-50	A	Wob-I Dry Pump, 115V 60Hz 1Ph, UL/CSA, Inlet trap, gauge, regulator w/hose barb	\$2,450.00
2581C-24	A	Wob-I Dry Pump, 230V 50Hz 1Ph, CE, NW 25 w/hose barb	\$2,140.00
2581C-50	A	Wob-I Dry Pump, 230V 50Hz 1Ph, CE, Inlet trap, gauge, regulator w/hose barb	\$2,450.00
2581C-56	A	Wob-I Dry Pump, 100V 50/60Hz 1Ph, CE, Inlet trap, gauge, regulator w/hose barb	\$2,450.00
2585B-01	A	Wob-I Dry Pump, 115V 60Hz 1Ph	\$1,645.00
2585B-50	A	Wob-I Dry Pump with Inlet Trap and Gauge, 115V 60Hz 1Ph	\$2,025.00
2585B-55	A	Wob-I Dry Pump with Gauge, 115V 60Hz 1Ph	\$1,900.00
2585C-02	A	Wob-I Dry Pump, 230V 50Hz 1Ph, CE	\$1,645.00

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2585C-50	A	Wob-I Dry Pump with Inlet Trap and Gauge, 230V 50Hz 1Ph, with CE mark	\$2,050.00
2585C-55	A	Wob-I Dry Pump with Gauge, 230V 50Hz 1Ph, with CE mark	\$1,915.00
2585C-57	A	Wob-I Dry Pump with Inlet Trap and Gauge, 100V 50/60Hz 1Ph	\$2,080.00
2595B-01	A	Wob-I Dry Pump, 115V 60 Hz, 1 Ph	\$1,970.00
2614C-01	A1	Titan, 300 L/min, 1.5Torr, 230V, 50/60Hz, 1Ph(2403T)	\$28,995.00
2616C-01	A1	Titan, 486 L/min, 1.5Torr, 230V, 50/60Hz, 1Ph(3603T)	\$38,495.00
2624C-01	A1	Titan, 480 L/min, 6Torr, 230V, 50/60Hz, 1Ph(3603Z)	\$29,195.00
2626C-01	A1	Titan, 750 L/min, 6Torr, 230V, 50/60Hz, 1Ph(5403Z)	\$38,895.00
2634C-01	A1	Titan, 640 L/min, 56Torr, 230V, 50/60Hz, 1Ph(4803E)	\$32,695.00
2636C-01	A1	Titan, 906 L/min 56Torr, 230V, 50/60Hz, 1Ph(7203E)	\$44,195.00
3041-01	A3	CRVpro 4, 115V,60Hz 1Ph, NW16 w/5/8-3/4" Hose barb w/US plug	\$2,565.00
3042-01	A3	CRVpro 4, 220-240V, 60Hz, 1Ph,NW16, w/5/8-3/4" Hose barb, w/UK, Schuko and US plug	\$2,565.00
3046E-01	A3	CRVpro 4 with Explosion Proof Motor, cUL Listed, No switch or cord	\$3,690.00
3061-01	A3	CRVpro 6, 115V,60Hz 1Ph, NW16 w/5/8-3/4" Hose barb w/US plug	\$2,825.00
3062-01	A3	CRVpro 6, 220-240V, 60Hz, 1Ph,NW16, w/5/8-3/4" Hose barb, w/UK, Schuko and US plug	\$2,825.00
3081-01	A3	CRVpro 8, 115V,60Hz 1Ph, NW16 w/5/8-3/4" Hose barb w/US plug	\$3,100.00
3081-02	A3	CRVpro 8, 115V,60Hz 1Ph, NW16 w 3/4" Flare Fitting for Refrigeration Duty	\$3,100.00
3082-01	A3	CRVpro 8, 220-240V, 60Hz, 1Ph,NW16, w/5/8-3/4" Hose barb, w/UK, Schuko and US plug	\$3,100.00
3086E-01	A3	CRVpro 8 with Explosion Proof Motor, cUL Listed, No switch or cord	\$4,225.00
3161-01	A3	CRVpro 16, 115V,60Hz 1Ph, NW25 w/5/8-3/4" Hose barb w/US plug	\$3,560.00
3161-02	A3	CRVpro 16, 115V,60Hz 1Ph, NW25 w 3/4" Flare Fitting for Refrigeration Duty	\$3,560.00
3162-01	A3	CRVpro 16, 220-240V, 60Hz, 1Ph,NW25 w/5/8" to 3/4" ID Hose Barb. UK, Schuko and US plugs.	\$3,560.00
3162-02	A3	CRVpro 16, 220-240V 60Hz 1Ph, NW25 w 3/4" Flare Fitting for Refrigeration Duty	\$3,560.00
3241-01	A3	CRVpro 24, 115V,60Hz 1Ph, NW25 w/5/8-3/4" Hose barb w/US plug	\$4,760.00
3242-01	A3	CRVpro 24, 220-240V, 60Hz, 1Ph,NW25 w/5/8" to 3/4" ID Hose Barb. UK, Schuko and US plugs.	\$4,760.00
3301-01	A3	CRVpro 30, 115V,60Hz 1Ph, NW25 w/5/8-3/4" Hose barb w/US plug	\$5,900.00
3302-01	A3	CRVpro 30, 220-240V, 60Hz, 1Ph,NW25 w/5/8" to 3/4" ID Hose Barb. UK, Schuko and US plugs.	\$5,900.00
411521-01	A1	MP 201E Dry Pump <56torr, 33 LPM CE 115V 50/60Hz 1 Ph	\$1,395.00
411522	A1	MP 101Z Dry Pump 6 Torr, 17 L/min, CE, 220 V, 50/60 Hz 1Ph	\$1,520.00
411522-01	A1	MP 101Z Dry Pump 6 Torr, 18 L/min, CE, 115 V, 50/60 Hz 1Ph	\$1,520.00
411543	A1	MP 201T Dry Pump 1.5 33LPM, CE 220V, 50/60Hz 1Ph	\$2,560.00
411543-01	A1	MP 201T Dry Pump 1.5 Torr, 36 L/min, CE, 115 V, 50/60 Hz 1Ph	\$2,560.00
411721-01	A1	MP 601E Dry Pump 56 Torr, 70 L/min, CE, 115 V, 50/60 Hz 1Ph	\$2,040.00
411782	A1	MP 1801Z Dry Pump 230V 50/60Hz 201 L/min <8 mbar	\$4,340.00
411782-01	A1	MP 1801Z Dry Pump, 6 Torr, 201 L/min, 115V, 60Hz	\$4,340.00
412021	A1	MPC 090 E 90 260VAC/18VDC	\$995.00
412443-02	A1	MPC 105T Dry Pump System, universal voltage - 20L/min, 1.5 Torr	\$3,065.00
412522	A1	MPC 101Z PTFE Dry Pump 6 Torr, 17 L/min, CE, 220 V, 50/60 Hz 1Ph	\$2,210.00
412522-01	A1	MPC 101Z PTFE Dry Pump 6 Torr, 18 L/min, CE, 115 V, 50/60 Hz 1Ph	\$2,210.00
412543	A1	MPC 201T PTFE Dry Pump 1.5 Torr, 33 L/min, CE, 220 V, 50/60 Hz 1Ph	\$3,735.00
412543-01	A1	MPC 201T PTFE Dry Pump 2 Torr, 36 L/min, CE, 115 V, 50/60 Hz 1Ph	\$3,735.00
412721-01	A1	MPC 601E PTFE Dry Pump 56 Torr, 70 L/min, CE, 115 V, 50/60 Hz 1Ph	\$2,890.00
412722	A1	MPC 301Z PTFE Dry Pump 6 Torr, 38 L/min, CE, 220 V, 50/60 Hz 1Ph	\$2,695.00
412722-01	A1	MPC 301Z PTFE Dry Pump 6 Torr, 41 L/min, CE, 115 V, 50/60 Hz 1Ph	\$2,695.00
8111D-25	A	VARIFLOW vacuum pump, 24V BLDC 1.5 torr	\$2,960.00
8113B-01	A	Dry pump, standard duty, 115V 60Hz 1Ph	\$3,245.00
8113C-02	A	Dry pump, standard duty, 230V 50Hz 1Ph	\$3,245.00
8115B-01	A	Dry pump, standard duty, 115V 60Hz 1Ph	\$2,590.00
8115C-02	A	Dry pump, standard duty, 230V 50Hz 1Ph	\$2,590.00
8115D-20	A	VARIFLOW 24V DC, PTFE heads w/o motor controller	\$2,590.00
8150B-30	A	10 Gal Tank mounted WOB-L, 115V	\$2,560.00
8890A	A	GEM, 115V 60Hz 1Ph	\$2,365.00
8890A-70	A	GEM Rotary Evaporator System, 115V 60Hz 1Ph	\$2,715.00
8890A-75	A	GEM Filtration System, 115V 60Hz 1Ph	\$2,715.00
8890C-02	A	GEM, 230V 50Hz 1Ph with Schuko Plug, CE marking	\$2,385.00
8890C-57	A	GEM PUMP, 230V 50 Hz 1Ph, w/ Schuko plug, iso valve	\$2,395.00
8890C-72	A	GEM Rotary Evaporator System, 230V 50Hz 1Ph	\$2,715.00
8890C-77	A	GEM Filtration System, 220V 50Hz 1Ph	\$2,715.00
8905A	A	Direct-drive Pump, 115V 60Hz 1Ph	\$2,355.00
8905B-24	A	Direct-drive Pump, 115V 60Hz 1Ph, NW16 Inlet	\$2,395.00
8905C-02	A	Direct-drive Pump, 230V 50Hz 1Ph	\$2,395.00
8905C-24	A	OEM VERSION OF 8905C-02 W/ NW16 INTAKE&HOSE ADAPTR	\$2,395.00
8905F	A	Fomblin oil version, 8905 115V, 60Hz	\$3,030.00

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8907A	A	Direct-drive Pump, 115V 60Hz 1Ph	\$2,765.00
8907C-02	A	Direct-drive Pump, 230V 50Hz 1Ph	\$2,765.00
8912A	A	Direct-drive Pump, 115V 60Hz 1Ph	\$3,040.00
8912C-01	A	Direct-drive Pump, 230V 60Hz 1Ph	\$3,040.00
8912C-02	A	Direct-drive Pump, 230V 50Hz 1Ph	\$3,040.00
8917A	A	Direct-drive Pump, 115V 60Hz 1Ph	\$3,345.00
8917A-80	A	Freeze Dryer Vacuum Pump System, 115V 60Hz 1Ph	\$4,445.00
8917B-24	A	Direct-drive Pump, 115V 60Hz 1Ph, NW 25 inlet	\$3,345.00
8917C-01	A	Direct-Drive pump, 230V 60 Hz, 1Ph	\$3,345.00
8917C-02	A	Direct-drive Pump, 230V 50Hz 1Ph	\$3,345.00
8917C-80	A	Freeze Dryer Vacuum Pump System, 230V 50Hz 1Ph	\$4,445.00
8917W	A	Direct-drive Pump, 115V 60Hz 1Ph, Explosion Proof	\$4,495.00
8960A	A1	Chemvac pump 97 L/min primary, 18 L/min secondary, 115V 50/60Hz 1Ph, US Plug	\$5,855.00
8960C-01	A1	Chemvac pump 97 L/min primary, 18 L/min secondary, 230V 50/60Hz 1Ph, US Plug	\$5,855.00
8965C-01	A1	Chemvac pump 220 L/min primary, 18 L/min secondary, 230V 50/60Hz , US Plug	\$7,170.00
8970C-01	A1	Chemvac pump 420 L/min primary, 41 L/min secondary, 230V 50/60Hz , US Plug	\$8,155.00
CRR-1	A	CAPTURE, Unmounted Pump	\$4,140.00
CRR-1A	A	CAPTURE, 115V 60Hz 1Ph	\$4,675.00
CRR-1B	A	CAPTURE, 230V 50Hz 1Ph	\$4,950.00
CRR-1C	A	CAPTURE, Mounted pump less motor	\$4,325.00

**KITS, ACCESSORIES & OIL**

Cat. No.	Type	Description	2018 Aug List Price, \$US
1371A-01	B	BELT GRD & BASE KIT FOR 1402, 1376, 1380	\$595.00
1371E	B	BLT GRD&BASE KIT 1392/1400-10	\$514.00
1371F	B	BELT GRD&BASE KIT 1374/1397	\$580.00
1373K-05	B	MINOR REPAIR KIT CRR1 & 1373	\$430.00
1373K-06	B	MAJOR REPAIR KIT CRR-1 & 1373	\$570.00
1374A	B	BELT KIT FOR 1374 PUMP	\$58.10
1376K-05	B	MINOR REPAIR KIT, 1376	\$293.00
1376K-06	B	MAJOR REPAIR KIT, 1376	\$650.00
1376K-09	B	CHEMSTAR MINOR REPAIR KIT	\$341.00
1376K-10	B	CHEMSTAR MAJOR REPAIR KIT	\$775.00
1380K-03	B	MINOR REPAIR KIT 1380	\$259.00
1380K-04	B	MAJOR REPAIR KIT FOR 1380	\$449.00
1393F	B	ISO ADAPTER NW 16 FOR 1399 & 1400	\$53.90
1393G	B	ISO ADAPTER NW25 FOR 1405, 1402, 1376	\$94.70
1393H	B	ISO ADAPTER NW 40 FOR 1397, 1374	\$128.00
1393J	B	HOSE ADAPTER 7/16" ID	\$49.20
1393K	B	HOSE ADAPTER 13/16" ID	\$82.20
1393L	B	HOSE ADAPTER 1-5/8" ID	\$107.00
1393M	B	HOSE ADAPTER NEW STYLE 1405	\$114.00
1393N	B	MALE NPT PIPE INLET AND EXHAUST ADAPTERS 1400,1399	\$63.10
1393P	B	MALE NPT PIPE INLET & EXHAUST ADAPTERS 1376,1380,1402,1405	\$47.00
1393V	B	ADAPTER 3/4 -20 / NW25	\$146.00
1393X	B	BRASS 1/4" HOSE BARB WITH 1/4"NPT THREAD	\$16.10
1395K	B	Stopcock Valve Kit, Quarter Turn	\$29.00
1397A	B	V-BELT KIT FOR 1397	\$96.20
1397K-07	B	MINOR REPAIR KIT, 1397	\$535.00
1397K-08	B	MAJOR REPAIR KIT, 1397	\$750.00
1399A	B	V-BELT FOR 1399	\$41.50
1399K-03	B	MINOR REPAIR KIT, 1399	\$224.00
1399K-04	B	MAJOR REPAIR KIT,1399	\$317.00
1400A	B	BELT FOR 1392 1400 & 1410	\$42.20
1400K-03	B	MINOR REPAIR KIT, 1400	\$225.00
1400K-04	B	MAJOR REPAIR KIT, W/MECHANICAL SEAL 1400	\$349.00
1400K-09	B	CHEMSTAR MINOR REPAIR KIT	\$281.00
1400K-10	B	CHEMSTAR MAJOR REPAIR KIT	\$384.00
1401D	B	PKG TYPE SEAL 3/4 SHAFT	\$71.70
1401D-01	B	VITON LIPSEAL ASSEMBLY FOR1402	\$120.00



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1401E	B	PKG TYPE SEAL 5/8 SHAFT	\$73.90
1401E-01	B	KIT SEAL	\$120.00
1401F	B	REPL SEAL FOR 1397	\$204.00
1402K-05	B	MINOR REPAIR KIT, 1402	\$286.00
1402K-06	B	MAJOR REPAIR KIT, 1402	\$575.00
1402K-09	B	MINOR CHEMSTAR REPAIR KIT, 1402N	\$348.00
1402K-10	B	MAJOR CHEMSTAR REPAIR KIT, 1402N	\$635.00
1402K-46	B	MINOR REPAIR KIT, FOR 1402B-46	\$294.00
1402K-47	B	MAJOR REPAIR KIT, FOR 1402B-46	\$590.00
1405A	B	BELT FOR 1402 1403 & 1405	\$42.40
1407K-11	B	DUOSEAL OIL, 1 QT	\$29.00
1407K-15	B	DUO SEAL PUMP OIL 1 GALLON	\$79.00
1407K-20	B	DUO SEAL PUMP OIL 5 GALLONS	\$305.00
1407K-25	B	PUMP OIL 55GAL DRUM	\$2,485.00
1412B	B	SILENCER FOR 2015/2022	\$38.40
1412C	B	SVC KIT EXH SILENCER 1/4-18NPT(2565,2585)	\$35.40
1412D	B	EXHAUST SILENCER 2561	\$56.50
1412E	B	EXHAUST SILENCER 2581	\$57.10
1415B	B	REPLACEMENT GLASS JAR 2561,2565,2581,2585	\$23.90
1415C	B	REPLACEMENT PLASTIC JAR 2522,2535,2545	\$23.90
1415D	B	REPLACEMENT POLYPROPYLENE version of the 1415B glass jar	\$19.90
141601	B	DUOSEAL GAS BALLAST ADAPTER KT	\$122.00
1416B	B	MIST ELIMINATOR/8890-8910	\$378.00
1416C	B	MIST ELIMINATOR SYSTEM 8907/12/17/20/25	\$560.00
1416C-01	B	MIST ELIMINATOR SYSTEM 1380,1376,1376N,1402, 1402N, 1405	\$695.00
1416D	B	MIST ELMNTR 1400N,1402N,1376N	\$895.00
1416E-01	B	MIST ELIMATOR TO PUMP CONNECTION KIT	\$244.00
1416E-02	B	MIST ELIMINATOR-PUMP CONN KIT	\$96.00
1416H	B	MIST ELMNTR 8905	\$560.00
1416H-01	B	EXHAUST OIL RECYCLER KIT FOR 1400	\$1,170.00
1417	B	EXHAUST FILTER	\$180.00
1417A	B	EXHAUST FILTER	\$474.00
1417A-01	B	REPLACEMENT GASKET FOR 1417A	\$50.80
1417B	B	EXHAUST FILTER 1374, 1397	\$725.00
1417B-01	B	REPLACEMENT GASKET FOR 1417B	\$50.60
1417C	B	EXHAUST FILTER, DIRECTIONAL (CRVpro 4,6,8)	\$469.00
1417C-02	B	EXHAUST FILTER	\$488.00
1417C-04	B	REPLACEMENT ELEMENT for 1417C-02	\$83.30
1417D	B	EXHAUST FILTER, DIRECTIONAL (CRVpro 16,24,30)	\$715.00
1417G	B	FILTER ELEMENT-1417A	\$167.75
1417H	B	FILTER ELEMENT-1417B	\$234.75
1417H-01	B	REPLACEMENT ELEMENT F/1417P-20	\$215.00
1417L	B	FILTER ELEMENT FOR 1417	\$90.40
1417P-8	B	EXHAUST FILTER (CRVPRO 4, 6, 8)	\$326.50
1417P-10	B	EXHAUST FILTER (1376,1380,1405,1405,8920,8925)	\$425.00
1417P-11	B	EXHAUST FILTER (CRVPRO 16, 24, 30)	\$620.00
1417P-20	B	EXHAUST FILTER /1374,1397,8834/51 20CFM	\$630.00
1417P-7	B	EXHAUST FILTER FOR 8917	\$330.00
1417Q	B	FILTER ELEMENT-1417P	\$108.00
1417R	B	FILTER ELEMENT F/ 1417P-7	\$135.00
1417Y-05	B	ELEMENT FOR 1417Y OR 1416D	\$179.00
1420E-01	B	REPL ELEMENT FOR 1420H-20	\$149.00
1420E-02	B	REPL ELEMENT FOR 1420H-21	\$115.00
1420E-03	B	FILTER ELEMENT ASSEMBLY	\$190.00
1420H-01	B	INTERCONNECT KIT, SMALL OVENS	\$194.00
1420H-02	B	INTERCONNECT KIT, LARGE OVENS	\$194.00
1420H-14	B	DRY ICE TRAP 1/2" INLET/OUTLET	\$1,050.00
1420H-18	B	Capture Condenser Assembly f/ Dryfast, Self-Cleaner pumps	\$1,470.00
1420H-20	B	ACID NEUTRALZTN TRAP 9.5" SUMP NW25	\$485.00
1420H-21	B	ACID NEUTRALZTN TRAP 4.5" SUMP NW16	\$417.00
1420K-16	B	ACID TRAP ADAPTER KIT NW16	\$497.00
1420K-25	B	ACID TRAP ADAPTER KIT NW25	\$605.00
1421	B	VACUUM REGULATOR KIT, GEM PUMP	\$262.00

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1421B	B	VACUUM REGULATOR MD 2015-2030	\$258.00
1421D	B	VACUUM REGULATOR STAINLESS STEEL	\$330.00
1421K	B	OIL RETURN/REGULATOR KIT	\$512.00
1423B	B	SEPARATOR INLET & EXHAUST	\$157.00
1423B-SS	B	SEPARATOR JAR w/ SS wool	\$159.00
1426K-01	B	SERVICE KIT - WELCH GELMASTER	\$186.00
1430A	B	FOOTSWITCH, 115V, Maintained on/off	\$123.00
1430B	B	Footswitch, 115V, momentary on/off	\$181.00
1430C	B	Footswitch, 90-230V, momentary on/off with CE Mark	\$181.00
1475K-01	B	Asp Acc, Adapter stainless steel, 40 mm	\$58.10
1475K-02	B	Asp Acc, 8-Channel adapter stainless steel	\$217.00
1475K-03	B	Asp Acc, 1-channel adapter for disposable tips, w/o ejector	\$54.70
1475K-04	B	Asp Acc, Rubber adapter for Pasteur pipettes	\$36.40
1475K-05	B	Asp Acc, 8-channel adapter for disposable tips, with ejector	\$358.00
1475K-06	B	Asp Acc, 4-channel SS tip, 150 mm	\$67.90
1475K-07	B	Asp Acc, 4-channel SS adapter, 40 mm	\$227.00
1475K-08	B	Asp Acc, Adapter SS, 280 mm	\$177.00
1475K-09	B	Asp Acc, 1-channel adapter for disposable tips w/ejector	\$50.20
1475K-10	B	Asp Acc, Handheld pipette, 40 mm adapter, adapter for Pasteur pipette	\$445.00
1475K-20	B	Asp Acc, autoclaveable collection receiver kit	\$179.00
1475K-21	B	Asp Acc, 10 pack of Hydrophobic filter	\$181.00
1475K-22	B	PARTICULATE HYDROPHOBIC IN-LINE FILTER	\$44.60
1475K-23	B	FILTER KIT, HYDROPHOBIC IN-LINE FILTER	\$173.00
1515	B	1-STATION THERMOCOUPLE GAUGE, 115V 60Hz	\$1,120.00
1515A	B	VAC GAUGE PROBE 0-5000 MICRON	\$188.00
1516A	B	Probe, Vacuum Gauge, 1 to 1000 micron	\$188.00
1520B-01	B	Vacuum Gauge, 1 to 760 Torr, 9V, for 115V	\$640.00
1520C-02	B	Vacuum Gauge, 1 to 760 Torr, 9V, for 230V	\$655.00
1520K-10	B	Vacuum Gauge Kit, 1 to 760 Torr, 9V, for 115V	\$830.00
1520K-11	B	Vacuum Gauge Kit, 1 to 760 Torr, 9V, for 230V	\$840.00
1526A	B	Replacement Probe for 1526 Gauge	\$188.00
1526K-10	B	Vacuum Gauge, millitorr, battery operated	\$935.00
1640A-01	B	LabAid Controller, dry pumps, 115V, 60Hz	\$1,540.00
2010K-01	B	ONE HEAD SERVICE KIT 2010	\$160.00
2014K-01	B	KIT-REPLACEMENT CONNROD ASSY	\$222.00
2019K-01	B	Kit-Diaphragm Replacement 2019	\$63.40
2019K-03	B	2019 Major Rebuild Kit	\$163.00
2025K-01	B	ONE HEAD SERVICE KIT	\$322.00
2025K-02	B	TUBING SERVICE KIT FOR 2025 S/N <EC091299	\$218.00
2025K-06	B	TUBING SERVICE KIT 2025 S/N >EC091300	\$215.00
2027K-01	B	KIT 2021, 2031, 2026, 2027 ONE HEAD SERVICE KIT	\$345.00
2037K-01	B	KIT 2034, 2037, 2044 ONE HEAD SERVICE KIT	\$348.00
2037K-02	B	KIT 2034, 2037, 2044 TWO HEAD SERVICE KIT	\$477.00
2047K-01	B	KIT 2032, 2042, 2047 ONE HEAD SERVICE KIT	\$316.00
2047K-02	B	KIT 2032, 2042, 2047 TWO HEAD SERVICE KIT	\$477.00
2500K-04	B	SERVICE KIT FOR FEET	\$61.40
2515K-02B	B	VPL ASSY SVCE KIT 2515/2522/2534 "B"	\$80.40
2522K-01	B	SVC KIT CONROD FOR 2522B-01	\$101.10
2522K-03	B	SERVICE KIT FOR 2522	\$192.00
2522K-04	B	SEAL SERVICE KIT 2522,34,45	\$107.00
2522K-05	B	KIT - VACUUM REGULATOR	\$194.00
2522K-06	B	PRES REGULATOR KIT, UNITS: kPa/psi	\$231.00
2534K-01	B	SVC KIT CONROD FOR 2534B-01	\$34.80
2534K-03	B	SERVICE KIT FOR 2534	\$192.00
2545K-03	B	SERVICE KIT FOR 2545	\$191.00
2546K-03	B	SERVICE KIT 2546B-01/C-01/C-02, 2534C-02, 2522C-05	\$211.00
2546K-04	B	SEAL SVC KIT FOR 2546B-01/C-01/C-02 & 2543C-02	\$62.30
2561K-03	B	TWO HEAD SERVICE KIT 2561	\$356.00
2561K-04	B	SEAL SERVICE KIT 2561	\$59.40
2563K-01	B	SERVICE KIT - CONNROD ASSY	\$95.20
2563K-03	B	SERVICE KIT-TWO HEAD MODEL 2563	\$249.00
2565K-02	B	VALVE PLATE ASSEMBLY 2560/2565	\$97.80
2565K-50	B	JAR KIT FOR 2560 / 2561/2562/2565, cmHg GAUGE, USA	\$218.00

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2567K-02	B	VPL AY SVCE KIT 2562/2567	\$118.00
2567K-03	B	TWO HEAD SERVICE KIT 2562	\$334.00
2567K-04	B	SEAL SERVICE KIT, 2562	\$62.60
2581K-03	B	TWO HEAD SERVICE KIT, 2581	\$482.00
2581K-04	B	SEAL SERVICE KIT, 2581	\$137.00
2585K-03	B	MAJOR SERVICE KIT 2580-85	\$489.00
2585K-04	B	SEAL SERVICE KIT, 2585	\$118.00
302076	B1	MAJOR RVP REPAIR KIT for CHEMVAC 8960	\$530.00
302079	B1	MAJOR RVP REPAIR KIT for CHEMVAC 8965	\$605.00
302080	B1	MAJOR RVP REPAIR KIT for CHEMVAC 8970	\$675.00
302081	B1	MINOR RVP REPAIR KIT for CHEMVAC 8960	\$287.00
302082	B1	MINOR RVP REPAIR KIT for CHEMVAC 8965, 8970	\$400.00
302201	B	HINGED CLAMP NW 16	\$25.80
302202	B	HINGED CLAMP NW 25	\$29.00
302203	B	HINGED CLAMP NW 40	\$38.60
303101	B	CENTERING RING ASSEMBLY NW 16	\$18.90
303102	B	CENTERING RING ASSEMBLY NW 25	\$28.90
303103	B	CENTERING RING ASSEMBLY NW 40	\$38.50
304801	B	REPLACEMENT VITON O-RING NW 16	\$9.20
304802	B	REPLACEMENT VITON O-RING NW 25	\$10.20
304803	B	REPLACEMENT VITON O-RING NW 40	\$12.60
305320	B	CLAMP FOR 1/4" & 3/16" ID HOSE 10/PK	\$48.90
305340	B	CLAMP FOR 7/16" ID HOSE 10/PK	\$36.90
305350	B	CLAMP FOR 5/8" ID HOSE 10/PK	\$39.10
305360	B	CLAMP FOR 13/16" ID HOSE 10/PK	\$50.90
305380	B	CLAMP FOR 1-5/8" ID HOSE 10/PK	\$73.30
320015	B1	Oil Mist Separator AKD 16, MW16	\$450.00
320016	B1	Inlet Condenser, AKS16, NW16	\$396.00
320017	B1	OIL MIST SEPARATOR, NW25	\$560.00
320018	B1	Inlet Catchpot, AKS NW25	\$437.00
330031	B1	Freeze Dryer Adapter-Kit with ball valve	\$590.00
330044	B1	Vacuum Concentrator Adapter Kit	\$126.00
331020-10	B	VACUUM HOSE 3/16" I.D. 10FT LENGTH	\$122.00
331020-5	B	VACUUM HOSE, 3/16" ID, 5 FT LENGTH	\$60.00
331030-5	B	VACUUM HOSE, 1/4" ID, 5 FT LENGTH	\$59.80
331040-10	B	VACUUM HOSE 7/16" I.D 10FT SECTION	\$118.00
331040-5	B	VACUUM HOSE, 7/16" ID, 5 FT SECTION	\$59.10
331050-10	B	VACUUM HOSE 5/8" I.D 10 FT SECTION	\$171.00
331050-5	B	VACUUM HOSE, 5/8" ID, 5 FT SECTION	\$115.00
331060-10	B	VACUUM HOSE 13/16" I.D. 10FT SECTION	\$244.00
331060-15	B	VACUUM HOSE 13/16" I.D. 15FT SECTION	\$353.00
331060-20	B	HOSE 13/16" I.D. 20FT SECTION	\$451.00
331060-5	B	HOSE, 13/16" ID, 5 FT SECTION	\$119.00
331080-5	B	HOSE, 1-5/8" ID, 5 FT SECTION	\$300.00
357220	B	HOSE REDUCER ADAPTER, 1/4,3/8,7/16 ID	\$16.10
357630	B	HOSE ADAPTER 13/16" x 3/8"	\$16.10
383101	B	ELBOW 90 DEGREE BEND NW 16	\$132.00
383102	B	ELBOW 90 DEGREE BEND NW 25	\$140.00
384101	B	TEE NW 16 STAINLESS STEEL	\$190.00
384102	B	TEE NW 25 STAINLESS STEEL	\$235.00
387121	B	REDUCER NW 16 TO 25 STAINLESS STEEL	\$112.00
387132	B	REDUCER NW 25 TO 40 STAINLESS STEEL	\$129.00
388101	B	BLANK-OFF FLANGE NW 16	\$24.00
388102	B	BLANK-OFF FLANGE NW 25	\$24.00
402008-01	B1	Service kit for MPC101Z for CHEMVAC (2-head)	\$259.00
402008-US	B1	Service kit for MP/MPC 101Z (2-head)	\$259.00
402015-US	B1	Service kit for MP/MPC 201T (4-head)	\$406.00
402028-US	B1	Service kit for 1201E/901Z/601T/301V, -ecoflex (4-head)	\$427.00
402031-US	B1	Service kit for MP/MPR 030Z, 060E, Biovac060 (2-head)	\$280.00
402035-US	B1	Service kit for HBP 101/HBP 100/Ilmdest (2-head)	\$535.00
402038-US	B1	Service kit for MPC 301Zp Ex (2-head)	\$303.00
402039-US	B1	Service kit for MPC 601Tp Ex (4-head)	\$427.00
402040-US	B1	Service kit for MP/MPC 054Zp, 104Ep, Biovac 104(2-head)	\$280.00



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402041-02	B1	Service kit for MPC301Z for CHEMVAC(2-head)	\$280.00
402041-US	B1	Service kit for MP/MPC 301Z, 601E, MPC301Z ef (2-head)	\$278.00
402042-US	B1	Service kit for 2054/2052(4-head)	\$424.00
402043-US	B1	Service kit for 2064/2067/2062 (8-head)	\$855.00
402044-US	B1	Service kit for MPC105T/MPC155Z, anavac (4-head)	\$427.00
402046-US	B1	Service kit for MP/MPC 301E	\$215.00
402106	B1	Tool kit for MP/MPC & 2052/54/62/64/67	\$82.40
402106-US	B1	Tool kit for MP/MPC: Spanner, 4mm Key, 17mm Wrench	\$63.00
404008	B1	IN-LINE FILTER KIT	\$185.00
501241	B	HOSE ADPTR NW 16 TO 7/16"ID HSE	\$36.40
501251	B	HOSE ADPTR NW 16 TO 5/8"ID HSE	\$36.30
501262	B	HOSE ADPTR NW25 TO 13/16" ID HS	\$40.80
501283	B	HOSE ADPTR NW40 TO 1-5/8"ID HSE	\$45.80
505121	B	MALE PIPE ADAPTER NW 16 1/4 IN	\$155.00
505122	B	MALE PIPE ADAPTER NW 25 1/4 IN	\$159.00
506121	B	FEMALE PIPE ADAPTER NW 16 1/4	\$67.30
506122	B	FEMALE PIPE ADAPTER NW 25 1/4	\$84.80
506142	B	FEMALE PIPE ADAPTER NW 25 1/2	\$93.10
541922	B	STAINLESS STEEL ELEMENT 4"	\$120.00
543950	B	SYNTHETIC ZEOLITE CHARGE	\$120.00
568420	B	VALVE,REGULATOR, 1/4 NPT,BRASS	\$78.20
600071-US	B1	Hand held Vacuum Gauge, PIZA 101, 760 to 1 torr, w/ sensor	\$880.00
600072	B1	Hand held Pirani Vacuum Gauge, PIZA 111, 760 to 10 <sup>-3</sup> torr, w/ sensor	\$955.00
600074-US	B1	Hand held Pirani Vacuum Gauge, PIZA 111c, 760 to 10 <sup>-3</sup> torr, chemical resist w/ sensor	\$1,140.00
620001-01	B1	Spare sensor for Vacuum Gauge 600071-US, PIZA 101	\$349.00
620002-01	B1	Spare sensor for Pirani Gauge 600072, PIZA 111	\$414.00
620002-03	B1	Spare sensor for Pirani Gauge 600074-US, PIZA 111, chemical resist	\$478.00
700010	B1	Oil Mist Filter OME 10/16	\$450.00
700047	B1	Ball valve; DN 16	\$292.00
700458	B1	Vacuum Regulator for MP/MPC Pumps	\$345.00
701401	B1	Adapter from KF25 to KF16	\$42.40
705121	B1	Cold Trap, welded DN 25 KF (Adapter needed)	\$1,060.00
705179	B1	Fine Vacuum Adsorption Trap, SOF 16	\$1,570.00
710058	B1	Flexible Vacuum Hose, PVC Cord-Reinforced, DN 16, 1m	\$84.90
710213	B1	Schlenkline Adapter DN16 - NS14/23	\$102.90
710755	B1	Metal hose, Stainless Steel, DN 16, 1500mm	\$223.00
710758	B1	250 mm (9.8 in) SS Flex hose, NW16	\$109.00
710761	B1	500 mm (19.7 in) SS Flex Hose, NW16	\$130.00
710764	B1	1000 mmm (39.4 in) SS Flex Hose, NW16	\$172.00
710775	B1	2000 mm (78.7 in) SS Flex Hose, NW16	\$312.00
710759	B1	250 mm (9.8 in) SS Flex Hose, NW25	\$109.00
710760	B1	250 mm (9.8 in) SS Flex hose, NW40	\$151.00
710762	B1	500 mm (19.7 in) SS Flex Hose, NW25	\$130.00
710763	B1	500 mm (19.7 in) SS Flex Hose, NW40	\$187.00
710765	B1	1000 mmm (39.4 in) SS Flex Hose, NW25	\$172.00
710766	B1	1000 mmm (39.4 in) SS Flex Hose, NW40	\$296.00
710776	B1	2000 mm (78.7 in) SS Flex Hose, NW25	\$322.00
710777	B1	2000 mm (78.7 in) SS Flex Hose, NW40	\$390.00
710953	B1	Hose Barb, DN8 to 1/4" Mae, PP with O-ring	\$25.00
726020	B	2.75 in. OD DIAL VACUUM GAUGE, mm Hg & in. Hg, 1/4 in.NPT	\$91.60
726021	B	2.0 in. OD DIAL VACUUM GAUGE KIT, in. Hg, cm Hg (US), 1/8 in. NPT	\$47.70
726023	B	VACUUM GAUGE in.Hg 2" DIAL S.S.	\$207.00
800160	B3	Replacement element for AKD 16, OME10/16	\$135.00
8120K-01	B	VANE KIT FOR 8120,8140	\$285.00
826801	B1	Adjustable spanner wrench for Ilmvac Diaphragm washer	\$60.30
829923	B1	Y Connector for 1/4" to 3/8" Hose, PP	\$8.30
8890K-02	B	MINOR REPART KIT FOR 8890	\$129.00
8905K-02	B	MINOR REPAIR KIT / 8905 & 10	\$189.00
8905K-03	B	SHAFT SEAL REPAIR KIT 8905 & 10	\$155.00
8905K-05	B	ISO NW INLET CONNECTOR NW16	\$88.60
8905K-06	B	UNIBARB INLET CONNECTOR 1400,1399,8905	\$93.10
8907K-05	B	ISO NW INLET CONNECTOR NW25 8907,8912,8917,8920,8925	\$88.10
8907K-06	B	UNIBARB INLET CONNECTOR 8907,8912,8917	\$97.20

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8917K-03	B	SHAFT SEAL REPAIR KIT	\$200.00
8917K-04	B	MINOR REPAIR KIT 8917/8912/8907, W/O OIL	\$264.00
8917K-05	B	SHAFT SEAL REPAIR KIT, 8917/8912/8907, W/O OIL	\$157.00
8920K-02	B	MINOR REPAIR KIT 8920 ALL REVS	\$301.00
8920K-06	B	UNIBARB INLET CONNECTOR 8917,8920,8925	\$121.00
8925K-02	B	MINOR REPAIR KIT 8925	\$288.00
8995C	B	PUMPING/TRAPPING FLUID 1 LITER	\$79.00
8995C-15	B	PUMPING/TRAPPING FLUID-1GALLON	\$258.00
8995G-11	B	DIRECTORR GOLD OIL 1 LITER	\$67.50
8995G-15	B	DIRECTORR GOLD OIL 1 GALLON	\$214.00
8995G-20	B	DIRECTORR GOLD OIL 5 GAL	\$935.00
8995G-25	B	DIRECTORR GOLD OIL 55 GAL	\$8,810.00
8995P-11	B	DIRECTORR PREMIUM OIL 1 LITER	\$30.00
8995P-15	B	DIRECT PREMIUM OIL 1 GALLON	\$90.00
8995P-20	B	DIRECT PREMIUM OIL 5 GALLON	\$391.00
8995P-25	B	DIRECT PREMIUM OIL 55 GALLON	\$3,360.00
S3077-99	B3	Service Kit 4 - major repair kit with vanes	\$341.00
S3078-99	B3	Service Kit 6 - major repair kit with vanes	\$363.00
S3079-99	B3	Service Kit 8 - major repair kit with vanes	\$384.00
S3080-99	B3	Seal Kit 4, 6, 8 includes lipseals	\$211.00
S3090-99	B3	Fastener Kit 4, 6, 8	\$79.60
S3192-99	B3	Seal Kit for CRVpro 16, 24, 30	\$202.00
S3193-99	B3	Service kit for CRVpro 16	\$406.00
S3194-99	B3	Service Kit for CRVpro 24	\$426.00
S3195-99	B3	Service Kit for CRVpro 30	\$447.00
S3196-99	B3	Fastening Kit for CRVpro 16	\$239.00
S3197-99	B3	Fastening Kit for CRVpro 24	\$250.00
S3198-99	B3	Fastening Kit for CRVpro 30	\$260.00
S3199-99	B3	Lip Seal Kit for CRVPro 16, 24, 30	\$116.00

**WELCHNET™ Modular Lab Vacuum Network**

Cat No	Type	Description	2018 Aug List Price, \$US
112043	W	Peltier Cooling system, 90-260VAC, 50/60 Hz	\$3,730.00
115244-04	W	LVS 310 Z ef with Panel Mount Controller; 43 lpm, <8 mbar, 230V 50/60Hz 1ø	\$6,390.00
115254-04	W	LVS 610 T ef with Panel Mount Controller; 81 lpm, <1.5 mbar, 230V 50/60Hz 1ø	\$9,360.00
115254-10	W	LVS 610 T ef with Panel Mount Controller; 81 lpm, <1.5 mbar, 115V 60 Hz, 1ø	\$9,360.00
115522	W	Liquid level sensor for netvac+ LVS catchpots (500ml), automatic shut-off	\$341.00
116047-11	W	LVS 310 Z ef with Panel Mount Controller; 43 lpm, <8 mbar, 115V 60 Hz, 1ø	\$6,390.00
116264-02	W	LVS-F 1210 T ef with Panel Mount Controller; 208 lpm, <2 mbar, 230V 50/60Hz 1ø	\$13,850.00
116264-03	W	LVS-F 1210 Tef with Panel Mount Controller; 208 lpm, <2 mbar, 115V 60Hz 1ø	\$13,850.00
116274-02	W	LVS-F 2410 E ef with Panel Mount Controller; 325 lpm, <75 mbar, 230V 50/60Hz 1ø	\$13,850.00
116274-05	W	LVS-F 2410E ef with Panel Mount Controller; 325 lpm, <75 mbar, 115V 60Hz 1ø	\$13,850.00
600052-04	W	Panel Mount Controller, 1/4" In ID tubing inlet	\$2,450.00
600052-05	W	Panel Mount Controller, 10mm OD Tubing inlet	\$2,450.00
600053-US	W	VCB521cv, Table top Vacuum Controller	\$2,450.00
700300-02	W	Cooling water solenoid valve for LVS and VCB521 controller	\$341.00
700535-15	W	On/Off with Manual Vacuum Regulation Turret, Surface Mount	\$517.00
700538-04	W	On/Off with Manual Vacuum Regulation Turret with Dial Gauge, Surface Mount	\$615.00
700556	W	Mini network with three manual vacuum regulation valves	\$1,330.00
700561	W	Nozzle, Flush Mount, 2 screw mount	\$320.00
700561-01	W	Nozzle, Flush Mount, With Large Nut	\$320.00
700561-20	W	Fume Hood Manual Flow Control Turret Kit (Turret 70051 + Nozzle 700561), 2 screw mount	\$660.00
700561-21	W	Fume Hood Manual Flow Control Turret Kit (Turret 70051 + Nozzle 700561-01), large nut mount	\$660.00
700562	W	Manual vacuum regulation valve, flush mount, 2 screw mount	\$347.00
700562-01	W	Manual vacuum regulation valve, flush mount large nut mount	\$347.00
700563	W	On/Off with Manual Flow Control Turrets, Flush mount, 2 screw mount	\$498.00
700563-01	W	On/Off with Manual Flow Control Turrets, Flush mount, large nut	\$498.00
700566	W	Manual vacuum regulation and On/Off with SS gauge, 0-1000 mbar, 2 screw mount, For Wood	\$625.00
700566-01	W	Manual vacuum regulation and On/Off with SS gauge, 0-1000 mbar, 2 screw mount, For Sheet Metal	\$625.00
700571	W	Fume Hood manual regulation valve to connect inlet port, 2 screw mount	\$373.00
828332-10	W	PTFE vacuum hose, 10mm OD, 8 mm ID, 1mm wall, 10 m (33 ft) length	\$447.00

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828332-15	W	PTFE vacuum hose, 10mm OD, 8 mm ID, 1mm wall, 15 m (49 ft) length	\$635.00
828332-25	W	PTFE vacuum hose, 10mm OD, 8 mm ID, 1mm wall, 25 m (82 ft) length	\$935.00
828332-5	W	PTFE vacuum hose, 10mm OD, 8 mm ID, 1mm wall, 5 m (16 ft) length	\$234.00
828332-50	W	PTFE vacuum hose, 10mm OD, 8 mm ID, 1 mm wall, 50 m (164 ft) length	\$1,590.00
828346-5	W	PVC Hose for potable water to condenser, 8 mm ID, 5 m (16 ft)length	\$64.00
829930	W	Union Tee, PVDF Compression Fitting for 10 mm OD tubing	\$44.70
829931	W	Union, PVDF Straight compression fitting, adapter 10 mm OD to male G1/4 thread	\$37.30
829931-3	W	Union, PVDF Straight compression fitting, adapter 10 mm OD to male G3/8 thread	\$37.30
829945-2	W	Union, PVDF Compression Fitting for 10 mm OD tubing	\$32.00
829983	W	Union Elbow, PVDF Compression Fitting for 10 mm OD tubing	\$32.00
829984	W	Street Elbow, PVDF Compression Fitting adapter 10 mm OD to male 10-1/4 in	\$37.30
829984-2	W	Street Elbow, PVDFcompression fitting, adapter 10 mm OD to male G3/8 thread	\$37.30

**PARTS**

Cat. No.	Type	Description	2018 Aug List Price, \$US
1-98-0152	C	OIL BOTTLE BOX FOR 8890/8905	\$6.90
1-98-2103	C	WOOD BASE	\$55.50
1-98-2104	C	WOOD BASE	\$72.60
1-98-2107	C	WOOD BASE	\$27.90
1-98-2108	C	WOOD BASE FOR 1400 PUMP ONLY	\$39.80
1-98-4028	C	CARTON 10" X 10" X 10" 200#	\$8.50
1-98-4031	C	BOX FOR PUMP ONLY	\$14.20
1-99-5112	C	SEALANT	\$167.00
1-99-5282	C	SEALANT	\$33.60
2-00-0716	C	HEX HD SCREW 10-32 X 1	\$3.00
2-00-2604	C	FIL HD STEEL SCREW 8/32 X 1/4	\$3.00
2-00-2704	C	FIL HEAD IRON SCREW 10-32X1/4	\$3.00
2-00-2705	C	F HD STL MACH SCREW 10-32X5/16	\$3.00
2-00-2706	C	FIL HEAD IRON SCREW 10-32X3/8	\$3.00
2-00-2710	C	FIL HEAD IRON SCREW 10-32X5/8	\$3.00
2-00-6410	C	SCREW 6-32X5/8 SOCKET HEAD	\$2.50
2-00-6606	C	SCREW SOCKET HD	\$1.30
2-00-6706	C	CAP SCREW	\$1.50
2-00-6708	C	SOC HD STL CAP SCREW 10-32X1/2	\$1.70
2-00-6712	C	SOC HD SCRW STL 10/32 X 3/4	\$1.70
2-00-6716	C	SOC HD STL SCREW 10/32 X 1	\$1.70
2-00-6812	C	SCREW, SOCKET HEAD 10-32 X 5/8	\$1.00
2-00-6814	C	SCREW STEEL SOC 10-32 X 7/8	\$1.30
2-01-0108	C	HX HD STL CAP SCREW 3/4-20X1/2	\$1.70
2-01-0112	C	HX HD STL CAP SCREW 1/4-20X3/4	\$1.70
2-01-0114	C	SCREW STEEL	\$1.50
2-01-0120	C	H HD IRN CP SCREW 1/4-20X1-1/4	\$2.40
2-01-0308	C	HX HD STL CP SCREW 5/16-18X1/2	\$1.70
2-01-0312	C	SCREW STEEL 5/16-18 X 3/4"	\$1.70
2-01-0316	C	HX HD IRON CAP SCREW 5/16-18X1	\$1.70
2-01-0318	C	H HD IRN CP SCRW 5/16-18X1-1/8	\$1.70
2-01-0320	C	STEEL CAP SCREW 5/16 X 11/4	\$1.70
2-01-0324	C	H HD IRN CP SCRW 5/16-18X1-1/2	\$1.70
2-01-0332	C	HEX HD STL CAP SCREW 5/16-18X2	\$1.70
2-01-0344	C	HEX HD CAPSCREW 5/16X18X2 3/4	\$1.70
2-01-0356	C	H HD IRN CP SCRW 5/16-18X3-1/2	\$1.70
2-01-5106	C	RD HEAD STEEL SCREW 1/4-20X3/8	\$4.80
2-01-6112	C	ALLEN HEAD CP SCREW 1/4-20X3/4	\$2.50
2-01-6114	C	SOC HD STL CP SCREW 1/4-20X7/8	\$4.80
2-01-6116	C	SOC HD STL SCREW 1/4-20 X 1	\$4.80
2-01-6312	C	SOC HD IRN CP SCRW 5/16-18X3/4	\$4.80
2-01-6314	C	SOC HD STL CP SCRW 5/16-18X7/8	\$4.90
2-01-6320	C	H HD IRN CP SCRW 5/16-18X1-1/4	\$4.80
2-01-6324	C	SOC HD STL SCREW 5/16-18X1 1/2	\$4.90
2-01-6514	C	SOC HD SCREW 3/8-16X7/8	\$4.90

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2-01-6516	C	SCREW STL SOC 3/8-16X1	\$1.70
2-01-8128	C	SCREW SET SS 1/4-20 X 1-3/4	\$4.60
2-01-8132	C	HDLESS IRON SET SCREW 1/4-20X2	\$4.80
2-01-9306	C	HEX HEAD SET SCREW 5/16-18X3/8	\$4.80
2-02-5708	C	RDHD STL SLFTAP SCRW 10-32X1/2	\$4.80
2-10-2605	C	SCREW, PHILIPS HD #8-32 X 5/16	\$1.30
2-20-9804	C	10-32X1/4 TRUSS HDMS 18-8	\$1.40
2-21-6120	C	SOC HD CAPSCREW 1/4X20-1 1/4	\$4.80
2276224	C	SCREW SET 1/4-20 X 2" STEEL	\$4.40
2-30-5708	C	HEX NUT 10-32X3/8X1/8	\$4.90
2-31-0112	C	HEX STEEL NUT 3/16X1/4-20X7/16	\$4.80
2-31-9000	C	JAM NUT 1/2-13	\$4.80
2-35-3800	C	HEX NUT 5/16-18	\$1.70
2-36-9900	C	LOCKNUT	\$1.40
2-50-4600	C	SS NUT SCREW	\$1.60
2-61-0000	C	IRON WASHER 3/16 IN BOLT SIZE	\$1.80
2-61-0300	C	IRON WASHER 5/16 IN BOLT SIZE	\$1.70
2-61-0571	C	STL WASHER .071X3/8 IDX5/8 OD	\$1.70
2-61-1165	C	STEEL WASHER	\$1.70
2-61-3100	C	IRON WASHER 1/4 BOLT SIZE	\$1.70
2-62-0432	C	LOCK WASHER STL SPLIT NO. 6	\$1.70
2-62-0793	C	LOCK WASHER NO. 10	\$1.70
2-63-0193	C	LOCK WASHER 1/4-20 BOLT	\$2.40
2-63-0356	C	LOCK WASHER	\$1.70
2-63-0593	C	SPLIT STL LOCK WASHER 3/8 BOLT	\$1.70
2-63-0700	C	LOCKWASHER	\$1.70
2-65-0000	C	SHAKEPRF STL LOCK WASHER NO.10	\$1.70
2-68-5632	C	WASHER, S.S. #8	\$1.00
2-69-6108	C	SPLIT LOCKWASHER #8	\$1.70
2-69-7007	C	WASHER S S	\$1.70
2-69-7015	C	FLAT WASHER SS 1/2BOLT-1 1/16	\$1.70
2-69-9901	C	SPLIT LOCKWASHER 1/4 BOLT S.S.	\$1.70
2705019	C	SET SCREW 5/16-18 X 3/8 SOCKET HEAD	\$4.40
2-70-6736	C	BRASS WASHER SMALL NO. 10	\$1.70
2-71-0040	C	BRASS WASHER LARGE NO. 10	\$1.70
404070	C	PIN, DOWEL 1/8 X 3/8 PLAIN	\$2.10
4-06-0754	C	RETAINING RING	\$4.70
41-0055	C	CLOCK SPRING SPACER FOR SHAFT	\$4.60
41-0096	C	CAP PLUG	\$1.70
41-0234	C	GASKET-INTAKE CHAMBER COVER	\$1.70
41-0383	C	PAPER GASKET-INTAKE CHAMBER	\$4.50
41-0403	C	GASKET FOR OIL CASE	\$5.40
41-0491	C	WASHER FOR INTAKE NIPPLE	\$2.90
41-0508	C	WASHER	\$6.30
41-0551	C	PULLEY 2.4IN O.D. 1/2IN BORE	\$31.60
41-0552	C	PULLEY 2.4 IN O.D. 5/8 IN BORE	\$31.70
41-0578	C	SEAL	\$9.60
41-0588	C	RUBBER SHOCK MOUNTS FOR BASE	\$10.90
41-0613	C	WOODRUFF KEYS FOR SHAFT	\$1.90
41-0624	C	KEY FOR PUMP PULLEY	\$3.30
41-0643	C	GASKET	\$2.00
41-0660	C	AIR FILTER	\$21.70
41-0667	C	PULLEY 3 1/2 IN OD 5/8 IN BORE	\$53.70
41-0668	C	MOTOR PULLEY 3IN OD 5/8IN BORE	\$53.70
41-0672	C	SHAFT END CAP	\$12.40
41-0695	C	UPPER EXHAUST VALVE	\$9.60
41-0722	C	REPAIR KIT NO 2 FOR TRANE	\$255.00
41-0890	C	AIR FILTER	\$8.40
41-0929	C	LEGS FOR PUMP BASE, RUBBER	\$3.20
41-0937	C	FILTER SCREEN	\$30.80
41-0943	C	SWITCH FOR MOTOR	\$81.00
41-0959	C	LARGE METAL VANES	\$140.00
41-0961	C	ALUMINUM WASHER-INTAKE NIPPLE	\$8.40

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41-0974	C	RETAINING RING	\$1.80
41-0991	C	CAP PLUG	\$1.90
41-0992	C	PRESSURE RELEASE VALVE	\$5.20
41-0995	C	MOTOR PULLEY-DBL GRV 2-3/4X5/8	\$79.00
41-0996	C	MOTOR PULLEY-DBL GRV 3-1/4X5/8	\$107.00
41-1010	C	MOTOR PULLEY-2 GRV 3.5 X .625	\$107.00
41-1012	C	MOTOR PULLEY-2 GRV 3.5 X .875	\$108.00
41-1039	C	VENTED EXHAUST PLUG	\$9.60
41-1040	C	ROTOR WITH BENT GROOVE	\$208.00
41-1042	C	INNER RING	\$332.00
41-1045	C	FRONT PLATE	\$150.00
41-1046	C	CAP PLUG	\$1.10
41-1048	C	INTAKE CHAMBER	\$196.00
41-1049	C	LEG	\$20.60
41-1052	C	GASKET FOR CASE	\$8.40
41-1056	C	ALUMINUM WASHER 1/32 INCH-V.E.	\$1.80
41-1059	C	VANE	\$39.60
41-1060	C	SHAFT	\$64.40
41-1063	C	SPRING HOLDERS FOR VANES	\$12.40
41-1069	C	STUD	\$4.90
41-1072	C	HANDLE FOR 1400B-45 & 1405B-45	\$32.40
41-1136	C	PLUG FOR END PLATE	\$29.20
41-1137	C	WASHER FOR PLUG	\$2.50
41-1138	C	COPPER WASHER FOR 1400 PUMP	\$9.70
41-1150	C	RETAINING RING	\$1.80
41-1157	C	CAP PLUG	\$1.80
41-1158	C	CAP PLUG	\$1.80
41-1159	C	CAP PLUG	\$1.80
41-1184	C	ADAPTER	\$153.00
41-1185	C	CAP PLUG	\$1.80
41-1186	C	PRESSURE CROSS	\$248.00
41-1239	C	CLOCK SPRING VALVE	\$13.80
41-1256	C	PUMP PLATE POST	\$109.00
41-1266	C	TENSION WASHER RUBBER	\$1.80
41-1274	C	INTAKE NIPPLE	\$75.60
41-1285	C	STEEL WASHER FOR SHAFT COLLAR	\$4.40
41-1467	C	BRONZE BEARING FOR 41-1465	\$66.40
41-1469	C	SPACER DISC	\$9.50
41-1477	C	LARGE VANE	\$245.00
41-1478	C	LARGE ROTOR	\$1,060.00
41-1482	C	OIL CASE FOR 1397	\$408.00
41-1484	C	SHAFT AND COLLAR	\$225.00
41-1486	C	LEGS	\$42.70
41-1487	C	SMALL METAL VANE	\$107.00
41-1489	C	SPRING HOLDER FOR LARGE VANES	\$48.80
41-1490	C	KEYS FOR SHAFT	\$3.00
41-1492	C	PULLEY FOR PUMP	\$294.00
41-1494	C	GASKET FOR SEAL HOLDER	\$3.00
41-1495	C	GASKET FOR INTAKE CHAMBER	\$4.40
41-1496	C	GASKET FOR OIL CASE	\$16.10
41-1497	C	RING, SMALL EXHAUST	\$458.00
41-1499	C	ROTOR, SMALL	\$348.00
41-1500	C	END PLATE, SMALL	\$245.00
41-1501	C	DUST CAP FOR EXHAUST OUTLET	\$210.00
41-1507	C	RUBBER O RING FOR VALVE	\$5.60
41-1508	C	GASKET FOR VALVE	\$4.40
41-1516	C	KEY FOR SMALL ROTOR	\$13.40
41-1518	C	ROTOR FOR EXHAUST	\$285.00
41-1682	C	LARGE ROTOR, 1376	\$545.00
41-1683	C	SHAFT	\$237.00
41-1684	C	LARGE METAL VANE	\$208.00
41-1688	C	LARGE RING	\$930.00
41-1692	C	AIR FILTER	\$21.80

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Cat. No.	Type	Description	2018 List Price, \$US
41-1736	C	VENTED EXHAUST VALVE	\$60.00
41-1742	C	O-RING 5/16X1/16 FOR 41-1736	\$6.60
41-1760	C	RING FOR 1373	\$1,120.00
41-1761	C	ROTOR FOR 1373	\$665.00
41-1766	C	THRUST DISK FOR 1373 & 1380	\$3.60
41-1768	C	LOWER EXH VALVE FOR 1373	\$8.50
41-1771	C	ROTOR FOR 1380	\$413.00
41-1772	C	RING FOR 1380	\$730.00
41-1773	C	SHAFT FOR 1380	\$345.00
41-1775	C	LOWER EXH VALVE FOR 1380	\$13.40
41-1779	C	UPPER EXHAUST VALVE FOR 1393	\$13.80
41-1800	C	FILTER EXHAUST 3 CFM W/ELEMENT	\$72.70
41-1840	C	FILTER 7CFM	\$339.00
41-1904	C	MTR-1/2HP 230/460V60HZ 1725RPM	\$790.00
41-1905	C	MTR 1/2HP 110/220V50HZ 1425RPM	\$770.00
41-1906	C	MOTOR-1/3HP 115V 60HZ 1725RPM	\$1,060.00
41-1907A	C	1/2 HP MTR 115/230V 60HZ 1PH	\$427.00
41-1908	C	MOTOR-1/3HP 230V 50HZ 1425RPM	\$475.00
41-1913	C	MTR-1/2HP 230/460V60HZ 1725RPM	\$525.00
41-1914	C	MOTOR-1/3HP 230V 60HZ 1725RPM	\$405.00
41-1917	C	MTR 3HP 230/460V 60HZ 1725RPM	\$880.00
41-1925	C	MTR-1-1/2HP115/230V60HZ 1PH	\$1,400.00
41-1940A	C	MOTOR 1HP 115/208-230V 60HZ	\$389.00
41-1941	C	MOTOR-1HP 115/230V 60HZ	\$960.00
41-1949	C	MOTOR-1HP 115/230V60HZ 1725RPM	\$1,850.00
41-1964	C	MOTOR-1HP 220/380V50HZ 1425RPM	\$1,060.00
41-1993	C	MTR-1-1/2HP230/460V60HZ 3PH	\$1,050.00
41-2031	C	MTR 1/2HP EXP 115/230 60HZ	\$1,300.00
41-2037	C	CONNECTOR	\$23.20
41-2039	C	EXHAUST RING	\$535.00
41-2045	C	SMALL END PLATE	\$297.00
41-2068	C	SEAL ONLY 5/8	\$65.20
41-2074	C	PULLEY FOR PUMP (1402)	\$95.70
41-2088	C	MACH. OIL CASE	\$277.00
41-2092	C	ROTOR	\$301.00
41-2093	C	SHAFT	\$153.00
41-2115	C	BASE FOR 1400 & 1410	\$182.00
41-2153	C	UPPER EXHAUST VALVE	\$19.20
41-2154	C	LOWER EXHAUST VALVE	\$9.80
41-2158	C	VALVE SPRING FOR BLOCK	\$5.10
41-2161	C	PRESSURE RELEASE VALVE	\$8.40
41-2164	C	VALVE COVER	\$18.50
41-2165	C	GUARD STUD FOR 1397	\$19.80
41-2175	C	SET SCREW, IRON, HEADLESS	\$3.60
41-2191	C	PULLEY FOR PUMP (1400 & 1410)	\$74.70
41-2253	C	DISCHARGE VALVE COVER	\$27.60
41-2256	C	COIL SPRING	\$4.40
41-2257	C	HARDENED SLEEVE 5/16	\$9.90
41-2258	C	HARDENED SLEEVE 1/4	\$8.50
41-2259	C	COIL SPRING	\$19.50
41-2291	C	GASKET-VENTED EXHAUST COVER	\$3.00
41-2292	C	RUBBER TUBE (1397)	\$21.30
41-2363	C	STEEL WASHER	\$1.80
41-2364	C	O RING FOR VENTED EXHAUST	\$1.80
41-2365	C	PLUG FOR INTAKE	\$1.80
41-2366	C	PLUG FOR EXHAUST	\$1.80
41-2368	C	OIL VALVE COVER	\$8.60
41-2369	C	INTAKE CHAMBER COVER	\$100.70
41-2370	C	STUD FOR VALVE COVER	\$8.50
41-2374	C	SHAFT ONLY SELL WITH 41-0974	\$102.10
41-2375	C	GASKET FOR COVER	\$14.30
41-2377	C	MOTOR PULLEY 1/2X3	\$42.90
41-2378	C	OIL CASE FOR 1399-NEW STYLE	\$381.00



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41-2551	C	3 WIRE CORD SET 220V	\$81.90
41-2553	C	SPACER	\$15.20
41-2693	C	COUPLING 8905/8910	\$22.00
41-2694	C	SPIDER COUPLING	\$9.50
41-2725	C	HANDLE GRIP	\$8.40
41-2730	C	COUPLING BODY 1/2IN SETSCREW	\$28.90
41-2732	C	COUPLING KEY	\$7.80
41-2754	C	CORD SET FOR 230V OPERATION	\$58.00
41-2757	C	LOCKNUT	\$10.90
41-2802	C	BACK COVER ASSEMBLY	\$121.00
41-2807	C	BASE CLIP	\$10.00
41-2808	C	STRIKE	\$1.80
41-2810	C	ASSY BACK COVER	\$58.40
41-2813	C	ASSY FRONT COVER RELW/2811+12	\$134.00
41-2814	C	FRONT COVER	\$186.00
41-2815	C	BACK COVER ASSEMBLY	\$143.00
41-2816	C	COVER ADJUSTMENT	\$44.70
41-2926	C	ADAPTER FOR PUMP PLATE	\$59.70
41-2927	C	O RING 1 IN. ID 1-1/4 IN. OD	\$2.90
41-2962	C	LIP SEAL	\$13.00
41-2963	C	O-RING	\$2.30
41-2972	C	EXHAUST VANE SPRING	\$5.30
41-2977	C	LIP SEAL	\$8.70
41-2984	C	INTAKE CONNECTOR	\$54.70
41-2988	C	LIP SEAL	\$13.40
41-2996	C	VANE SPRING	\$9.30
41-3005	C	O RING	\$3.00
41-3035	C	OIL FILLER W/O O RING	\$13.20
41-3036	C	OIL PUMP ROTOR SET	\$104.10
41-3067	C	HANDLE ASSEMBLY	\$75.90
41-3072	C	COUPLING FLANGE 5/8IN BORE	\$39.20
41-3073	C	COUPLING SLEEVE	\$16.60
41-3117	C	COUPLING SLEEVE FOR 8851	\$17.60
41-3119	C	VALVE TOGGLE	\$83.90
41-3173	C	HOSE FITTING	\$35.20
41-3175	C	GASKET WASHERS FOR 8851	\$2.20
41-3390	C	LIP SEAL	\$63.30
41-3470	C	STRAIN RELIEF	\$4.60
41-3547	C	LIP SEAL	\$29.70
41-3660	C	ADAPTER	\$11.50
41-3696	C	OUTER LIP SEAL ASSEMBLY	\$100.70
41-3697	C	HOUSING SHAFT SEAL	\$52.60
41-3753	C	POP-IN WINDOW HELD W/LOCTITE	\$34.00
41-7320	C	O-RING VITON #111	\$3.10
4-21-3006	C	DOWEL PIN 1/8 DIA X 3/8	\$1.70
4-40-0600	C	STEEL BALL	\$1.70
4-40-1200	C	STEEL BALL	\$1.70
4-53-0034	C	ENVELOPES DUST CAP	\$3.10
51-4022	C	MEMBRANE KEYPAD	\$193.00
51-4314	C	TUBING 1/8 ID X 1/4 OD X 5	\$22.30
606599	C	CPRSR ASSY	\$690.00
609123	C	Diaphragm	\$123.00
614464	C	FRONT COVER	\$10.40
61-0006A	C	GEROTOR SET, INTAKE 8890	\$117.00
61-0007A	C	GERPTPR SET EXHAUST 8890	\$104.20
61-1119B	C	OIL CASE GASKET, 8890	\$27.80
61-1120A	C	THRUST DISK 8890	\$3.70
61-1121A	C	KEY FOR 8890 ROTOR SHAFT	\$5.90
61-1123A	C	VALVE, INTAKE FOR 8910	\$6.40
61-1124B	C	ROTOR SHAFT	\$112.00
61-1128A	C	VALVE, BACKER FOR 8910	\$6.00
61-1161A	C	FLANGE CAP ISO NW 16	\$1.10
61-1174A	C	SEAL INSTALLATION TOOL,8890	\$47.70

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61-1175A	C	SEAL INSERTION TOOL , 8890	\$18.30
61-1178A	C	ORIFICE FOR 8905/8910	\$34.20
61-1179A	C	O-RING, 8890	\$6.10
61-1182C	C	STATOR, GEROTOR,NEW DESIGN	\$324.00
61-1184C	C	WEAR PLATE 8890,NEW STYLE	\$294.00
61-1189B	C	END PLATE F 61-1013C	\$254.00
61-1206B	C	GASKET COLLECTOR VAPOR TRAP	\$11.30
61-1213	C	ON/OFF SWITCH	\$30.60
61-1229A	C	WINDOW FOR VAPOR TRAP	\$11.50
61-1230A	C	GASKER FOR 61-1229A WINDOW	\$4.00
61-1304	C	IEC CONNECTOR	\$5.00
61-2017A	C	BRACKET, EXHAUST 8910	\$62.00
61-2118A	C	VALVE, FLUORELASTOMER 8905/10	\$16.90
61-2119A	C	SPRING VALVE FOR 8905/8910	\$7.30
61-2123A	C	RUBBER BUMPER, 8890/8905	\$2.90
61-2128A	C	O RING, NO. 145	\$10.30
61-2130A	C	O RING # 115, 8890/8905	\$5.10
61-2139A	C	VALVE, ISO DISK, 8890/8905	\$48.70
61-2143A	C	SOLENOID VALVE DUAL VOLTAGE	\$88.10
61-2149B	C	GASKET, 8905/8910	\$8.60
61-2155A	C	O RING, NO. 020	\$4.20
61-2157A	C	O-RING (BITON)	\$2.40
61-2158A	C	O RING	\$4.70
61-2159A	C	VITON O-RING	\$3.40
61-2162A	C	O-RING, #15 VITON	\$3.40
61-2170A	C	LIP SEAL INSERT TOOL 8905/10	\$30.60
61-2172A	C	LIP SEAL REMOVAL TOOL 8905/10	\$40.40
61-2177B	C	ROTOR FOR 8910	\$377.00
61-2178A	C	INTAKE VANE, 8910	\$61.30
61-2179A	C	EXHAUST VANE, 8910	\$53.20
61-2204A	C	SPRING, GAS BALLAST, 8905-8920	\$4.00
61-2212A	C	ISO VALVE ADAPTER 8890/8905/10	\$120.00
61-2214B	C	WEAR PLATE 8905 8910	\$275.00
61-2216A	C	ISO PLUNGER 8890/8905/1.71"	\$9.70
61-2220A	C	LIPSEAL MOUNTING PLATE 8905/10	\$13.40
61-2229A	C	SIGHT GLASS8890-05-10-1402,137	\$11.70
61-2230B	C	OIL CASE	\$225.00
61-2257	C	LINE CORD W/SCHUKO PLUG,220V	\$34.80
61-2278	C	DRAIN VALVE	\$21.30
61-2282	C	WEAR PLATE FISHER M4C	\$204.00
61-2308	C	ISO SOLENOID ASSEMBLY	\$138.00
61-2370	C	COVER OIL WINDOW	\$5.10
61-2372	C	PLUG OIL FILL	\$13.80
61-2373	C	1/4 HP MOTOR	\$478.00
61-2382	C	OIL CASE	\$318.00
61-2413	C	DRAIN PLUG	\$11.90
61-3011	C	GLASS JAR ASSEMBLY	\$83.50
61-3061	C	VALVE	\$58.70
61-3091	C	PLATE AL MOTOR END	\$18.00
61-3092	C	PLATE AL SHAFT END	\$17.90
61-3098	C	PTFE CHAMBER W/BYPASS	\$232.00
61-3102	C	SHIM DIAPHRAGM	\$4.40
61-3112	C	DIAPHRAGM TEFLON LINED	\$64.20
61-3119	C	VALVE FLAPPER	\$13.20
61-3124	C	EXTENSION SHAFT	\$36.50
61-3131	C	SPACER FOOT	\$26.40
61-3140	C	BEARING,BALL,SHIELDED	\$23.50
61-3152	C	HANDLE PLASTIC	\$18.40
61-3275	C	PLASTIC PLATE HEAD BASE	\$32.80
61-3369	C	POWER MODULE ASSEMBLY	\$227.00
61-3649	C	PRESSURE PICK UP	\$478.00
61-3706	C	FLAPPER VALVE	\$60.60
61-3706A	C	EXHAUST HEAD VALVE	\$62.50

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61-3842	C	VACUUM GAUGE 25W1005H 02L X14RSSFZQ VAC-8158	\$27.00
61-3845	C	VAPOR TRAP BASE COVER, WELCH AND FISHER	\$98.10
61-3900	C	VALVE HOLDER, EXHAUST	\$62.00
61-3901	C	ADAPTER FITTING	\$22.20
61-3904	C	INTAKE ADAPTER	\$23.90
61-3909	C	FRONT PANEL	\$25.50
61-3954	C	EXHAUST HEAD ASSEMBLY	\$281.00
61-3955	C	INTAKE HEAD ASSEMBLY	\$246.00
614753	C	PISTON CUP	\$27.10
61-5062	C	TUBING, VACUUM 3/8" ID 5 FT	\$86.20
61-5072	C	NEEDLE VALVE	\$42.10
61-5112	C	HOSE PVC 3/8" ID X 5/8" OD	\$20.20
61-5148	C	INSTRUMENT KNOB, FLUTED BLACK	\$7.10
61-5149	C	COUPLING 1/4 NPT	\$28.00
61-5186	C	CLAMP	\$7.10
61-5304	C	ROTOR 8925 NO OIL PUMP	\$590.00
61-5311	C	SWIVEL ADAPTOR 1/8-27NPT TO 10-32	\$23.60
61-5356	C	MOTOR 1/4 HP 115/230V 60Hz	\$485.00
61-6009	C	WINDOW COVER	\$12.00
61-6011	C	HANDLE	\$35.00
61-6016	C	FRONT END SHIELD	\$49.40
61-6020	C	PLUG OIL FILL REV 5	\$10.40
61-6024	C	FAN FOR VAC PUMP M8C	\$34.20
61-6027	C	WINDOW	\$20.60
61-6038	C	COUPLING	\$7.40
61-6042	C	LIPSEAL	\$21.40
61-6049	C	VALVE, INTAKE	\$33.80
61-6050	C	VANE, INTAKE	\$76.50
61-6051	C	INTAKE VANE	\$61.10
61-6052	C	EXHAUST VANES	\$27.90
61-6053	C	EXHAUST VANE	\$38.20
61-6055	C	HOUSING, LIP SEAL-REV 6-PER PR	\$49.10
61-6057	C	BY PASS VALVE	\$5.40
61-6058	C	EXHAUST VALVE	\$3.90
61-6059	C	SPRING VALVE	\$7.80
61-6064	C	EXTENSION SHAFT	\$530.00
61-6076A	C	EXHAUST PLUG, SMALL	\$18.90
61-6084	C	DRIP PAD	\$3.00
61-6091	C	PLUNGER, OIL FEED, EXHAUST	\$8.80
61-6092	C	PLUNGER, OIL FEED, INTAKE	\$14.10
61-6093	C	THRUST WASHER	\$4.50
61-6167	C	EXHAUST STAGE 8912	\$308.00
61-6180	C	KNOB GAS BALLAST	\$12.90
61-6304	C	SOLENOID VALVE ASSEMBLY	\$69.50
61-6305	C	SPRING, EXHAUST VALVE SS	\$6.60
61-6305A	C	SPRING	\$3.00
61-6323	C	INTAKE FITTING HOSE	\$59.30
61-6324	C	GAS BALLAST ASSEMBLY	\$35.80
61-6325	C	INTAKE FITTING HOSE	\$58.40
61-6348	C	ASSEMBLY, EXHAUST BRACKET NEAR NET	\$41.10
61-6350	C	EXHAUST STAGE ASSEMBLY 8907, C-P NEAR NET	\$342.00
61-6351	C	EXHAUST STAGE ASSEMBLY M4C NEAR NET	\$348.00
61-6385	C	GASKET	\$6.70
61-6394	C	MOTOR 1/2 HP	\$685.00
61-6429	C	EXHAUST STAGE ASSEMBLY 8907/8917	\$670.00
61-6443	C	OIL CASE ASSEMBLY 8907/8912/8917	\$166.00
61-6460	C	MOTOR 1/2 H.P. 230/115V 60Hz (SLATE BLUE)	\$433.00
61-6463	C	ROTOR	\$455.00
61-6464	C	ROTOR	\$517.00
61-6465	C	ROTOR	\$489.00
61-8100A	C	GAS BALLAST ADAPTER	\$89.10
61-8101	C	OIL CASE1402,1380,1376, ONLY	\$393.00
61-8101A	C	CONNECTOR FO V.E. VALVE	\$62.40

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61-8102A	C	FLANGE FOR GAST BALLAST VALVE	\$45.90
61-8104A	C	SEAL SHAFT HOUSING	\$23.80
61-8107A	C	SHAFT LIP SEAL	\$133.00
61-8108D	C	EXHAUST RING FOR 1402 & 1376	\$309.00
61-8113C	C	RING	\$565.00
61-8250C	C	CENTER PLATE-REPL 41-2041&2040	\$233.00
61-8266	C	TEE 1/4 NPT FEMALE-FEMALE-MALE	\$71.80
61-8274B	C	1-3/4-20 THREAD TO 1-1/2" FNPT	\$123.00
61-8278A	C	VITON INTAKE COVER GASKET	\$20.70
61-8279B	C	VITON OIL CASE GASKET	\$82.90
61-8293A	C	NEOPRENE O-RING, NW40	\$6.60
61-8296A	C	CENTER.R.ASSY(NEOPRENE O-RING)	\$38.80
61-8309B	C	SS PRESSURE RELEASE TUBE	\$11.80
61-8310A	C	PRESSURE RELEASE DUCT	\$8.90
61-8313A	C	VALVE BLOCK	\$32.40
61-8314A	C	SS VALVE	\$22.50
61-8315A	C	SPACER VALVE	\$17.80
61-8316A	C	BAFFLE PLATE REL W/8317A/8318B	\$46.30
61-8319B	C	OIL CASE FOR 1402N	\$715.00
61-8321B	C	PLASTIC TUBE-BUBBLER	\$21.10
61-8327B	C	BUBBLER TUBE	\$12.10
61-8329A	C	AIR FILTER BRACKET FOR 1402N	\$9.20
61-8347B	C	BAFFLE EXHAUST	\$23.80
61-8348A	C	STUD BAFFLE	\$18.80
61-8355B	C	OIL CASE GASKET	\$30.90
61-8362	C	SCREW	\$1.30
61-8382	C	UNION	\$71.20
61-8384	C	PLUG	\$13.50
61-8416D	C	LARGE END PLATE	\$397.00
61-8417D	C	OIL CASE FOR CRR-1	\$1,050.00
61-8422	C	SHORT NUT	\$2.40
61-8423	C	COPPER SEAL CAP	\$2.10
61-8456A	C	COPPER WASHER	\$1.50
61-8468A	C	HOSE ADAPTER (13/16"ID HOSE)	\$86.80
61-8472A	C	HOSE ADAPTER (3/8" ID HOSE)	\$51.00
61-8475	C	VITON O-RING	\$6.40
61-8478B	C	CHAMBER INTAKE	\$109.00
61-8482	C	WINDOW SIGHT HIGH PRES	\$111.00
61-8491A	C	ADAPTER 1/2-20 X 1/4" NPT	\$21.10
61-8492A	C	ADAPTER 1-20 X 3/4" NPT	\$36.60
61-8499B	C	OIL BAFFLE PLATE CRR1 &CRR-3	\$33.50
61-8503A	C	ADAPTER 3/4-20 TO 1/2 NPT	\$55.30
61-8507B	C	BAFFLE FOR 1380	\$47.70
61-8512	C	ELBOW 90 1/4NPT	\$6.30
61-8515	C	CAP PLUG	\$1.40
61-8536A	C	ADAPTER 1/2 NPT	\$28.30
61-8537A	C	ADAPTER 3/4NPT TO 1-20UNEF	\$61.40
61-8538A	C	BACKER VALVE	\$13.90
61-8539A	C	VALVE FLAPPER	\$15.70
61-8540C	C	OIL CASE ASSEMBLY	\$512.00
61-8548C	C	OIL CASE ASSEMBLY 1400N	\$545.00
61-8559A	C	SS VANE SPRINGS	\$5.30
61-8572	C	SWITCH MOTOR	\$51.30
61-8573A	C	1/2HP MOTOR W/SCHUKOPLUG/220V/50HZ	\$785.00
61-8574A	C	MOTOR 1/3 HP 230V 50HZ 1PH	\$481.00
61-8581	C	NEOPRENE O-RING FLARE FITTING	\$2.30
61-8589	C	MOTOR ASSY. 1/2 HP 50HZ (JAPAN)	\$810.00
61-8595B	C	SS BAFFLE ASSEMBLY 1374N	\$41.50
61-8609A	C	VANE SPRING	\$34.30
61-8622	C	MOTOR 1/3 115V 60HZ 1PH BIO	\$311.00
61-8626	C	O-RING #178 NEOPRENE #3229-70	\$21.90
61-8641	C	ADAPTER HOSE	\$257.00
61-8651	C	INTAKE RING	\$509.00

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61-8665	C	ORING VITON	\$9.30
61-8668	C	LARGE END PLATE	\$540.00
61-8671	C	COVER CASE	\$74.60
61-8672	C	CAP SHAFT END SILVER EBONITE	\$36.20
61-8673	C	END CAP	\$29.50
61-8675	C	INTAKE RING	\$396.00
61-8677	C	CHAMBER INTAKE	\$104.00
61-8678	C	CENTER PLATE CHEMSTAR SILVER	\$297.00
61-8679	C	CENTER PLATE	\$336.00
61-8684	C	LARGE END PLATE (SILVER)	\$473.00
61-8685	C	LARGE END PLATE	\$498.00
61-8687	C	OIL CASE SPACER	\$493.00
61-8689	C	CENTER PLATE	\$680.00
61-8691	C	LARGE RING	\$1,410.00
61-8693	C	INTAKE CHAMBAR	\$194.00
61-8698	C	CAST ALUMINUM BASE FOR 1405	\$314.00
61-8699	C	BASE FOR 1397	\$225.00
61-8701	C	PLATE END INTAKE SILVER	\$69.20
61-8702	C	INTAKE END PLATE GREY	\$165.00
61-8703	C	COVER ADJUSTMENT FINISHED	\$31.80
61-8707	C	Cord Set with NEMA 6-15 Cord End (US 230V)	\$29.00
61-8709	C	PUMP BASE (1376)	\$368.00
61-8712	C	O-RING 1397 RING	\$18.40
61-8770	C	END PLATE GRAY	\$610.00
61-8775	C	SHAFT 1373	\$138.00
61-8803	C	BELT GUARD AND COVER	\$130.00
61-8836	C	CARTON 22 X 14-3/4 X 18	\$33.50
61-8837	C	INSERT FOR OIL 27-3/8X32-3/16	\$8.70
61-8839	C	PAD PANEL SIDE 22X13-1/2X1-3/8	\$5.60
61-8840	C	PAD PANEL SIDE 22X13-1/2X1-3/8	\$7.10
61-8901	C	BELT GUARD PLASTIC FOR 1399/1400	\$71.50
61-8912	C	EXHAUST PLUG, BIG	\$18.30
61-8930	C	SPRING HOLDER	\$15.90
61-9091B	C	OIL CASE ASSEMBLY 8915/20	\$193.00
61-9210A	C	HOUSING SHAFT SEAL	\$89.20
61-9240A	C	SEAL ASSEMBLY FOR 1397N	\$100.80
61-9280A	C	DOWEL PIN 1/4X5/8 VENTED	\$9.70
61-9282A	C	ORING,OIL,GAS BALLAST,8915/20	\$3.10
61-9284A	C	VITON O-RING	\$4.00
61-9334A	C	RUBBER FOOT-8915/20-NEW STYLE	\$4.50
61-9350	C	EXTENTION TUBE, FOR 1421	\$19.10
61-9354	C	HOSE CLAMP, FOR 1/4IN ID HOSE	\$1.90
61-9359	C	BARB	\$6.70
61-9361	C	ELBOW REDUCING	\$10.70
61-9364A	C	SCREEN F/61-8464A 8905/8910	\$15.30
61-9371A	C	BYPASS VALVE 8915/8920	\$8.60
61-9378	C	O-RING VITON	\$4.80
61-9379	C	O-RING VITON	\$4.90
61-9385A	C	SPRING, BYPASS VALVE,8915/8920	\$1.80
61-9388A	C	SPRING RELIEF	\$4.40
61-9398A	C	COVER VALVE SPACER	\$7.60
61-9410B	C	SHAFT EXTENSION F/8925 MODULE	\$102.30
61-9426	C	OIL PLUNGER SPRING FOR 8925	\$12.00
61-9429	C	O-RING W/SCREW	\$7.30
61-9461	C	STOPCOCK/HOSE NIPPLE /1/4NPT	\$52.30
61-9478	C	STAN OFF SPACER	\$4.80
61-9479A	C	DIP PAD FOR 8890/8905/8910	\$2.90
61-9480A	C	PAD DRIP 3.87 X 2.18 X .375	\$3.30
61-9483A	C	OIL RELIEF VALVE/8925A	\$14.20
61-9526	C	O-RING VITON #151	\$10.80
61-9527	C	O RING VITON #137	\$8.70
61-9539B	C	END PLATE 8915 REV 8-98	\$227.00
61-9547	C	BUNA-N TETRA SEAL	\$2.10

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61-9560A	C	EXHAUST VALVE	\$11.50
61-9561A	C	SPRING EXHAUST VALVE	\$25.30
61-9570A	C	VANE EXHAUST FOR 8925	\$43.40
61-9571B	C	INTAKE VANE-8925A S/N 176 & UP	\$82.30
61-9572D	C	INTAKE STATOR,8925 BELOE SN175	\$1,020.00
61-9573D	C	EXHAUST STAGE	\$488.00
61-9574C	C	ROTOR F 8975	\$444.00
61-9582A	C	SPRING VALVE BY PASS	\$23.50
61-9595C	C	ROTOR 8920 NEW VERSION	\$825.00
61-9598D	C	EXHAUST STAGE 8915 REV 8-98	\$408.00
61-9600C	C	MODULAR PUMP ASSEMBLY 8920A	\$2,020.00
61-9607A	C	RUBBER FEET, 1-1/16 IN OD	\$5.20
61-9609B	C	GASKET CASE OIL	\$13.90
61-9615A	C	EXHAUST VANE	\$38.60
61-9616B	C	INTAKE VAC	\$80.50
61-9629	C	STOPPER	\$18.80
61-9637B	C	GASKET	\$22.70
61-9701	C	EXHAUST STAGE	\$384.00
61-9702	C	RETAINER S.S.	\$4.90
61-9730	C	SMALL EXHAUST FILTER	\$70.70
61-9749	C	END PLATE BLACK OXIDE	\$238.00
61-9766	C	EXHAUST STAGE M8C&12C BLK	\$363.00
61-9772	C	VITON GASKET	\$8.20
61-9779	C	STAGE INTAKE M12C BLK OX	\$615.00
61-9793	C	VALVE ISOLATOR DISC LARGE	\$42.50
61-9838	C	ACCESSORY KIT FOR 8910Z-07	\$560.00
61-9844	C	MOUNTING PLATE 8905/8910	\$422.00
62-0003	C	SCREW SOCKET HEAD 10-32 X3	\$4.40
62-0014	C	KEY	\$1.90
62-0015	C	SOC HD SCREW	\$4.90
62-0118	C	O'RING	\$2.00
62-0119	C	O-RING TETRASEAL	\$2.20
62-0121	C	WASHER STACY LOSS STEEL	\$3.00
62-0158	C	NEEDLE VALVE 1/2" FNPT	\$53.30
62-0159	C	TOGGLE VALVE	\$85.50
62-0176	C	SCREW SOCKET HEAD	\$4.00
62-0177	C	SCREW SOCKET HEAD	\$4.00
62-0179	C	SCREW SOCKET HEAD	\$2.10
62-0195	C	SCREW PAN HEAD	\$1.50
62-0196	C	SCREW FILLISTER HEAD	\$2.10
62-0198	C	RETAINING RING SHAFT	\$41.40
62-0200	C	WASHER BELLEVILLE	\$1.80
62-0202	C	PIN DOWEL	\$2.10
62-0203	C	NUT HEX CAP	\$7.60
62-0211	C	O-RING VITON #023	\$2.10
62-0222	C	SCREW 5/16-18 X 2-3/4"SOCKET H	\$3.40
62-0230	C	PULLEY	\$26.80
62-0245	C	FASTENER TINNEMAN TYPE 8A	\$2.80
62-0246	C	SCREW SOCKET FLANGE BUTTON HD	\$2.80
62-0247	C	SCREW TAPPING #8 X 1/2" TYPE A	\$2.80
62-0248	C	ADAPTER MALE 1/2-20 TP 1/8 NPT	\$38.60
62-0259	C	BINDG HD SHT METAL	\$4.80
62-0265	C	SCREW	\$2.50
62-0274	C	ORIFICE	\$28.10
62-0298	C	ELBOW MALE 1/4"OD X 3/8"NPT	\$48.50
62-0344	C	LINE CORD	\$44.60
62-0382	C	BUSHING 1/4"MPT X 1/8"FPT	\$4.10
62-1014	C	SCREW 8-32 X 3/8" FLAT HEAD	\$2.50
62-1088	C	HOSE CLAMP THREAD ON FOR 1/8" ID HOSE NP	\$1.80
621102	C	VALVE FLAPPER-INTAKE & EXHAUST	\$8.70
621102-B	C	VLV FLAPPER-BULK PACK-25 SERVICE	\$138.00
62-1114	C	VALVE, NEEDLE	\$79.50
62-1141	C	CAP FITTING	\$14.00



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62-1149	C	O-RING 1-1/8"ID X 1/16 CS FEP ENCAPSULATED	\$25.30
62-1238	C	NYLON WASHER	\$2.10
62-1244	C	SCREW, SOCKET HEAD, M3 X 4	\$2.80
62-1273	C	HOSE BARB	\$14.90
624473	C	FITTING - INTAKE	\$54.00
638800	C	CORD - 8' 1EC DOMESTIC	\$14.80
646117	C	DIAPHRAGM LINER	\$7.50
65-0100	C	BRONZE BEARING 1397/74 END PLT	\$64.10
652216	C	PAD-TOP 1400/1399	\$14.70
652217	C	PAD-BTM 1400/1399	\$27.00
66-0066	C	TUBING, 1/4" OD	\$2.50
66-0077	C	TYGON TUBING	\$6.30
66-0103	C	WASHER	\$5.70
66-0113	C	FUNNEL FOR MDL M8C PUMP	\$22.50
66-0115	C	PLASTIC FUNNEL SMALL	\$18.90
66-0126	C	ELBOW 1/4 NPT MALE-FEMALE	\$4.90
66-0131	C	ELBOW MALE UNION	\$28.80
66-0136	C	HOSE BARB	\$7.60
66-0136	C	HOSE BARB	\$7.60
66-0140	C	ADAPTER BARB	\$4.90
66-0144	C	ELBOW 3/8 BARBED X 1/8 NPT	\$18.90
66-0145	C	ADAPTER	\$17.90
66-0149	C	ADAPTER 1/8" MNPT TO 1/8"FNPT	\$2.20
66-0150	C	VENT EXHAUST 1/8 MALE NPT	\$10.30
66-0151	C	VENT EXHAUST	\$23.60
66-0159	C	SEAL GUARD REV2	\$5.90
66-0161	C	SUCTION CUP	\$11.10
66-0163	C	O-RING VITON	\$27.50
66-0166	C	O-RING	\$27.70
66-0167	C	O-RING	\$31.60
66-0170	C	RUBBER STOPPER	\$1.50
66-0171	C	FELT WASHER	\$3.60
66-0177	C	HOSE BARB, 1/8 NPT X 1/8, BRASS, NP	\$14.40
66-0181	C	FAN	\$19.60
66-0183	C	O-RING	\$4.70
66-0187	C	WASHER FELT SELF ADHESIVE REV3	\$2.80
66-0193	C	PAD DRIP STICK-ON	\$6.20
66-0194	C	O-RING	\$7.00
66-0197	C	O-RING, VITON, #010	\$2.50
66-0200	C	O-RING	\$1.90
66-0203	C	O-RING	\$3.60
66-0204	C	O-RING	\$10.00
66-0207	C	O-RING, VITON, #149	\$9.90
66-0211	C	BUMPER, BASE	\$3.10
66-0212	C	O-RING	\$1.80
66-0304	C	O-RING, #127, AFLAS	\$7.70
66-0314	C	VIBRATION MOUNT	\$7.20
67-0090	C	CARTON	\$19.30
67-0093	C	CARTON	\$14.50
67-0098	C	CARTON	\$22.40
67-0120	C	CARTON	\$6.40
67-0239	C	BOX FOR 1401D	\$5.40
67-0419A	C	NAME PLATE STDE 8910 SERIES	\$5.60
67-0451A	C	LABEL OIL FILL VAPOR TRAP	\$14.20
67-0557	C	CARTON 1 LITER OIL BOTTLE	\$2.50
67-0819	C	INSTRUCTION LABEL, GELMASTER	\$2.10
67-1813	C	NAMEPLATE / FRONT LABEL 2047	\$3.60
67-1825	C	FRONT LABEL, DRY FAST	\$14.00
67-2012	C	CTN 24 1/8 x 17 5/8 x 18	\$15.80
H-0554	C	WASHER FOR #10 SCREW SS	\$2.50
S3001-99	C3	Motor hull	\$560.00
S3002-99	C3	Handle	\$46.20
S3003-99	C3	Coupling	\$13.10

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Cat. No.	Type	Description	2018 List Price, \$US
S3004-99	C3	Red strip	\$4.60
S3005-99	C3	Side overlay	\$19.90
S3006-99	C3	Trestle	\$294.00
S3007-99	C3	Base	\$179.00
S3008-99	C3	Foot pad	\$1.00
S3009-99	C3	felt	\$13.20
S3010-99	C3	O-ring	\$36.60
S3011-99	C3	Gasballast valve bush	\$40.10
S3012-99	C3	Gasballast valve rod	\$11.50
S3013-99	C3	Gasballast location bush	\$23.00
S3014-99	C3	Gas ballast valve ring	\$20.00
S3015-99	C3	Gas ballast knob	\$1.00
S3016-99	C3	Anti-suckback Spring	\$4.60
S3017-99	C3	Anti-suckback Piston	\$37.50
S3018-99	C3	O-ring	\$2.70
S3019-99	C3	Oil seal	\$5.50
S3020-99	C3	Anti-suckback Cover	\$103.50
S3021-99	C3	Anti-suckback Palte	\$15.50
S3022-99	C3	O-ring	\$13.20
S3023-99	C3	Inlet Port	\$61.30
S3024-99	C3	Coupling Element	\$6.80
S3025-99	C3	Coupling	\$12.30
S3026-99	C3	Pump Cover - must have oil seal installed	\$34.80
S3027-99	C3	Oil seal - must include pump cover	\$225.00
S3028-99	C3	O-ring	\$6.80
S3029-99	C3	Washer	\$1.00
S3030-99	C3	O-ring	\$1.00
S3031-99	C3	Bush	\$40.10
S3032-99	C3	Oil Pump Rotor(out)	\$13.20
S3033-99	C3	Oil Pump Rotor(in)	\$5.90
S3034-99	C3	Gasket	\$30.20
S3035-99	C3	Fore Stator - 4	\$226.00
S3036-99	C3	Oil seal	\$25.90
S3037-99	C3	Fore Rotor - 4	\$216.00
S3038-99	C3	Fore Vane - 4	\$12.00
S3039-99	C3	Vane Spring	\$1.00
S3040-99	C3	Oil-proofing cover	\$13.80
S3041-99	C3	Limiting Plate	\$2.90
S3042-99	C3	Exhaust Valve Palte	\$2.80
S3043-99	C3	Back Pump Vane	\$191.00
S3044-99	C3	Spring	\$1.00
S3045-99	C3	Gasballast Valve Head	\$3.60
S3046-99	C3	Rear rotor	\$93.50
S3048-99	C3	Rear Vane	\$11.10
S3049-99	C3	Oil Pump Valve	\$1.80
S3050-99	C3	Rear cover	\$124.00
S3051-99	C3	Pin	\$2.30
S3052-99	C3	Screw	\$1.10
S3053-99	C3	Flap	\$16.30
S3054-99	C3	Exhaust Port	\$51.30
S3055-99	C3	Washer	\$4.60
S3056-99	C3	Oil fill plug	\$4.20
S3058-99	C3	Oil casing	\$409.00
S3059-99	C3	O-ring	\$6.80
S3060-99	C3	Glass	\$14.40
S3061-99	C3	Oil window	\$12.40
S3062-99	C3	Oil drain plug	\$3.70
S3063-99	C3	O-ring	\$3.70
S3064-99	C3	Fore Stator - 6	\$237.00
S3065-99	C3	Fore Stator - 8	\$256.00
S3067-99	C3	Fore Rotor - 6	\$232.00
S3068-99	C3	Fore Rotor - 8	\$250.00
S3069-99	C3	Fore Vane - 6	\$13.20

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Cat. No.	Type	Description	2018 List Price, \$US
S3070-99	C3	Fore Vane - 8	\$19.90
S3091-99	C3	Lip Seal Kit for CRVpro 4,6,8	\$115.00
S3106-99	C3	Flat key	\$1.00
S3109-99	C3	Filter	\$13.90
S3122-99	C3	Base	\$170.00
S3123-99	C3	pump fan	\$3.20
S3124-99	C3	Trestle	\$322.00
S3125-99	C3	Side overlay	\$50.10
S3126-99	C3	Red strip	\$6.40
S3127-99	C3	Coupling	\$13.90
S3128-99	C3	Coupling	\$3.20
S3130-99	C3	Coupling	\$12.70
S3131-99	C3	Pump cover	\$32.00
S3132-99	C3	Oil pump body (out)	\$11.70
S3133-99	C3	Oil pump body (in)	\$7.40
S3134-99	C3	Fore Stator - 16	\$328.00
S3135-99	C3	Fore rotor - 16	\$357.00
S3136-99	C3	Fore vane - 16	\$57.60
S3137-99	C3	Rear stator	\$330.00
S3138-99	C3	Pump cover	\$114.00
S3140-99	C3	Oil case	\$408.00
S3141-99	C3	Rear rotor	\$223.00
S3142-99	C3	Rear Vane	\$32.00
S3143-99	C3	O-ring	\$4.30
S3144-99	C3	Oil glass	\$6.40
S3145-99	C3	Oil window	\$16.00
S3146-99	C3	Exhaust Valve Palte	\$4.30
S3147-99	C3	Limiting Plate	\$2.10
S3148-99	C3	Oil cover	\$21.30
S3149-99	C3	Cushion	\$1.00
S3150-99	C3	Exhaust port	\$38.40
S3151-99	C3	Blank flang	\$1.00
S3152-99	C3	Oil plate	\$23.40
S3153-99	C3	Bush	\$32.00
S3154-99	C3	Washer	\$1.00
S3155-99	C3	Washer	\$19.20
S3156-99	C3	O-ring	\$21.30
S3157-99	C3	Rear Vane	\$10.70
S3158-99	C3	Inlet port	\$53.30
S3159-99	C3	paper washer	\$4.30
S3160-99	C3	Gas ballast valve bush	\$4.30
S3161-99	C3	Gas ballast valve rod	\$24.60
S3162-99	C3	Gas ballast spring	\$2.10
S3163-99	C3	Gas ballast location bush	\$23.40
S3164-99	C3	Anti-suckback cover	\$24.60
S3165-99	C3	Anti-suckback piston	\$29.90
S3166-99	C3	Anti-suckback spring	\$6.40
S3168-99	C3	O-ring	\$14.90
S3169-99	C3	O-ring	\$1.00
S3170-99	C3	O-ring	\$4.30
S3171-99	C3	O-ring	\$7.40
S3172-99	C3	O-ring	\$2.10
S3173-99	C3	Oil seal	\$10.70
S3174-99	C3	KF25 hoop	\$25.60
S3175-99	C3	Centre rest	\$10.70
S3176-99	C3	Oil seal	\$67.20
S3186-99	C3	Fore vane - 30	\$62.90
S3187-99	C3	Fore vane - 24	\$59.70
S3188-99	C3	Fore Stator - 24	\$345.00
S3189-99	C3	Fore rotor - 24	\$375.00
S3190-99	C3	Fore Stator - 30	\$364.00
S3191-99	C3	Fore rotor - 30	\$393.00
S3201-99	C3	115V Motor - 16/24/30	\$1,130.00

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Cat. No.	Type	Description	2018 List Price, \$US
S3202-99	C3	230V Motor - 16/24/30	\$1,400.00
S3206-99	C3	Flat key	\$1.00
S3207-99	C3	Felt	\$8.60
S3208-99	C3	Ring	\$6.40
S3209-99	C3	Rubber sheet	\$1.00
S3210-99	C3	Flat key	\$1.00
S3211-99	C3	Pin	\$2.10
S3212-99	C3	Pin	\$5.30
S3271-99	C3	Bolt On NW25 Port for CRVpro 4,6,8	\$67.10

**PERISTALTIC**

Cat. No.	Type	Description	2018 Aug List Price, \$US
3100B-01	D	PUMP WELCH PERISTALTIC	\$1,080.00
3100C-02	D	PUMP WELCH PERISTALTIC	\$1,080.00
3101K-01	D	CLAMPS, SNAPGRIP 20/PK	\$19.80
3200B-01	D	PUMP WELCH DIGITAL PERISTALTIC	\$1,290.00
3200C-02	D	PUMP WELCH DIGITAL PERISTALTIC	\$1,290.00
3200K-01	D	TUBING, GENERAL PVC 4.8mm W/6 TUBING ASS'Y	\$108.00
3200K-02	D	REPLACEMENT HEAD	\$123.00
3200K-03	D	REPLACEMENT LOCKS	\$38.60
3232K-01	D	TUBING 10 FT x 1.6mm I.D., SILICONE	\$57.90
3232K-02	D	TUBING 10 FT x 3.2mm I.D., SILICONE	\$57.90
3232K-04	D	TUBING 10 FT x 4.8mm I.D., SILICONE	\$57.60
3234K-02	D	TUBING 10 FT x 3.2mm I.D., PVC	\$46.10
3234K-04	D	TUBING 10 FT x 4.8mm I.D., PVC	\$49.40
3432K-01	D	TUBING CART 1.6MM SILICON PK5	\$57.80
3432K-02	D	TUBING CART 3.2MM SILICON PK5	\$67.20
3432K-04	D	TUBING CART 4.8MM SILICON PK5	\$80.00
3434K-01	D	TUBING CARTRIDGE 1.6MM PVC PK5	\$78.90
3434K-02	D	TUBING CARTRIDGE 3.2MM PVC PK5	\$67.10
3434K-04	D	TUBING CARTRIDGE 4.8MM PVC PK5	\$83.20
3551K-01	D	EQUAL LEG COUPLER 1/16" (5 x 61-4066)	\$7.70
3551K-02	D	EQUAL LEG COUPLER (5 x 61-4067)	\$7.80
3551K-03	D	EQUAL LEG 3/16" (5 x 61-4068)	\$7.80
3551K-04	D	REDUCTION COUPLER 1/8"-1/16" (5 x 4069)	\$8.20
3551K-05	D	REDUCTION COUPLER 3/16"-1/8" (5 x 61-4070)	\$8.20
3551K-06	D	REDUCTION COUPLER 1/4"-3/16" (5 x 61-4071)	\$8.40
3551K-12	D	EQUAL BARB TEE 1/16" (5 x 61-4077)	\$12.10
3551K-13	D	EQUAL BARB TEE 1/8: (5 x 61-4078)	\$12.00
3551K-14	D	EQUAL BARB TEE 3/16" (5 x 61-4079)	\$12.00
3551K-51	D	COUPLERS, EQUAL LENGTH, HDPE 1/16, 50 PCS	\$74.70
3551K-90	D	SMALL BARBED FITTING KIT (HDPE)	\$169.00