

Fusion Part Number	Description	Supplier	Manufacturer	Manufacturer part number	Configuration	QTY.
General Components						
4P1178	EXTRUSION ALUMINIUM	D	80/20	#1515 LITE X 30.00 WITH 7040	Standard	2
6P1211	FLOW CONTROL	D	Alcon	#JAQ-4x2	Standard	2
6P1003	VALVE - FLOW CONTROL	D	Alcon	#JPT 4 X 4	Standard	2
5P1104	MOUNTING RAIL (DIN)	D	Allen Bradley	#199-DR1	Standard	78
3P0018	REGULATOR, AIR PRESSURE	D	Arrow	#R262L	Standard	2
5P1760	FUSE, CLASS "J", 8A	D	Bussmann	#LPJ-8SP	Standard	3
5P1802	FUSE, 5A, CLASS CC	D	Bussmann	#FNQ-R-5	Standard	2
6P1071	TUBE FITTING, STRAIGHT	D	Camozzi	#6510-04-02	Standard	4
6P1219	PLUG CONNECTOR, ISO, 24VDC	D	Canfield	P51C3-1611000	Standard	2
6P1273	V-RING 4.61 ID X .50 FREE WIDTH	D	Chicago Rawhide	401300	Standard	1
5P1727	ANTI-ROTATION RING FOR C-H E22	D	Cuttler Hammer	#E22LRM	Standard	7
3P0138	CLAMP, HOSE - WORM GEAR TYPE	D	Dixon	#HSS6	Standard	4
8P2095	PRESSURE GAUGE 0-4" WC	D	Dwyer	#2004	Standard	1
8P2096	MAGNEHELIC 0-1" WC	D	Dwyer	#2001	Standard	1
5P1558	TERMINAL BLOCK, BLUE	D	Entrelec	#125116.01	Standard	1
5P1560	END BARRIER	D	Entrelec	#118368.16	Standard	3
6P1263	VALVE 24VDC DOUBLE SOLENOID CENTER	D	Festo	173140	Standard	1
6P1257	SINGLE SOLENOID VALVE	D	Festo	173128	Standard	2
6P1258	SOLENOID 24 VDC	D	Festo	123060	Standard	2
3P0220	REINFORCED PVC TUBING	D	Flexibraid	#200-08	Standard	6
S102	48" STAINLESS STEEL WATER TROUGH	D	Fusion	S102	Standard	1
S103-12	26" TOOL PLATE FOR 12-STATION	D	Fusion	S103-12	Standard	1
S104-12	26" SS TOOL PLATE COVER	D	Fusion	S104-12	Standard	1
4P1344	SPLASH SHIELD	D	Fusion	4P1344	Standard	1
S110-12	3 LEG OUTER MANIFOLD FOR 48"	D	Fusion	S110-12	Standard	1
4P1306	6 BUTTON BOX BRACKET	D	Fusion	4P1306	Standard	1
FE71TG187	COMPLETE GUN	D	Fusion	FE71TG187	Standard	2
3P0134N	TANK - QUART	D	Fusion	3P0134N	Standard	1
L1737-505-851-P06X	PASTE	D	Fusion	L1737-505-851-P06X	Custom	200
4P1002	NAME PLATE - ALUMINUM	D	Fusion	4P1002	Standard	1
7P1045	NOZZLE NUT	D	Fusion	7P1045	Standard	2
7P1049	RADIUS NOZZLE	D	Fusion	7P1049	Standard	2
4P1047	SWITCH BRACKET MOUNT 1/2" DIA	D	Fusion	4P1047	Standard	1
7P1112	GUN MOUNTING ASSEMBLY	D	Fusion	7P1112	Standard	1
7P1055	SPLIT GUN CLAMP, ZINC PLATED	D	Fusion	7P1055	Standard	1
7P1057	CLAMP BLOCK	D	Fusion	7P1057	Standard	1
3P0133	PINT TANK COMPLETE	D	Fusion	3P0133	Standard	2
7P1056	GUN STAND	D	Fusion	7P1056	Standard	1
7P1048	CONE NOZZLE	D	Fusion	7P1048	Standard	2
7P1120	3/16" ROD WITH 1/8" TIP	D	Fusion	7P1120	Standard	4

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8P1186	LIGHTER, EXTENDED BUTANE	D	Fusion	8P1186	Standard	1
10978-D500	FIXTURE ASSEMBLY	D	Fusion	10978-D500	Custom	12
S109	VENT HOOD	D	Fusion	S109	Standard	1
5P1032	CONNECTOR-SEALTITE 1/2" X 90	D	Gedney	#4Q950	Standard	11
5P1033	CONNECTOR	D	Gedney	4Q50 O.Z.	Standard	1
5P1031	CONNECTOR-SEALTITE 1/2" X 45 DEGREE	D	Gedney	#4Q450	Standard	1
5P1600	ENCLOSURE	D	Hoffman	#E-1PBGX	Standard	1
3P0031	TEE - NYLON	D	Jaco	#75-4-2-N-O	Standard	2
3P0033	ELBOW - NYLON	D	Jaco	#45-4-2-N-O	Standard	2
3P0036	CONNECTOR, STRAIGHT - NYLON	D	Jaco	#10-4-4-N-O	Standard	2
8P2062	PRESSURE SWITCH 2-20" WC	D	North American	8757-GAO-A4/4/5	Standard	1
8P1182	FITTING	D	Parker	#27920-12-12	Standard	2
8P1181	HOSE	D	Parker	#SS25UL-12	Standard	14
8P2063	HOSE	D	Parker	#SS25UL-6	Standard	5
S161-12	Indexer PDC 15"	D	PDC	# JIC-3A-EMUD-15-12	Custom	1
4P1271	DIPSTICK FOR INDEX TABLE	D	PDC	4P1271	Standard	1
4P1345	CENTER PLUG	D	PDC	4P1345	Standard	1
5P1552	PROX BRAKET & TARGET KIT	D	PHD	#53101-01-1	Standard	2
	SLIDE 2" STROKE	D	PHD	#SDC22X2-Q1-G1	Standard	1
5P1035	90 DEGREE CORD CONNECTOR	D	Remke	RSR9105	Standard	12
	PERIMETER GAURDING W/LIGHT AND DOORS	D	Robec Fluid		Custom	1
8P1145	FITTING - STRAIGHT	D	Swagelock	#S-400-1-4	Standard	1
8P1147	FITTING - STRAIGHT CONNECTOR	D	Swagelock	#S-400-1-2	Standard	1
8P1140	FITTING - STRAIGHT	D	Swagelock	#S-600-7-4	Standard	2
8P1146	FITTING - 90 DEGREES	D	Swagelock	#S-400-2-4	Standard	1
8P1131	FITTING - TUBE CONNECTOR	D	Swagelock	#S-600-1-4	Standard	3
8P1133	FITTING - 90 DEGREES	D	Swagelock	#S-600-8-4	Standard	1
8P1142	FITTING - STRAIGHT	D	Swagelock	#S-600-7-2	Standard	3
8P1153	FITTING - STRAIGHT	D	Swagelock	#S-400-7-4	Standard	1
5P1539	GASKET FOR BEACON LIGHT	D	Telemecanique	#XVAC06	Standard	1
5P1818	LEGEND PLATE FOR 22MM PB	D	The Cutting Edge	60-001-180	Standard	1
5P1630	LEGEND PLATE FOR 22MM PUSHBUTTON	D	The Cutting Edge	"Manual Paste"	Custom	1
5P1547	PROXIMITY SWITCH CABLE	D	Turk	#RK4.4T-6	Standard	2
5P1536	PROXIMITY SWITCH, 24VDC SOURCING	D	Turk	#Ni2-G08K-AP6X-V1131	Standard	2
5P1546	PROXIMITY SWITCH SPLITTER CABLE	D	Turk	VBRS4.42PKG3M0.3/0.3	Standard	1
8P2020	FLOWMETER (0-50 CFH) NATURAL GAS	D	Waukee	#M3 SINGLE SCALE	Standard	1
8P2097	FLOWMETER	D	Waukee	M1A 70 DEGREES	Standard	1
3P0020	GAUGE - 65PSI/KPA	D	Weiss	#TL20P-U	Standard	2
Electrical Components						
5P1392	DISCONNECT SWITCH FUSED 30A	D	Allen Bradley	#194R-NJ030P3	Standard	1
5P1393	SWITCH OPERATING SHAFT	D	Allen Bradley	#194R-R2	Standard	1

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5P1394	SWITCH OPERATING HANDLE	D	Allen Bradley	#194R-HS4E	Standard	1
5P1603	FUSE COVER	D	Allen Bradley	#194R-FCA2	Standard	1
5P1733	CONTACTOR, 9A, 3P, 24VDC W/ DIODE	D	Allen Bradley	#100-C09DJ10	Standard	1
5P1589	OVERLOAD RELAY	D	Allen Bradley	#193-EA1DB	Standard	1
5P1807	CIRCUIT BREAKER, 2A, 1P	D	Allen Bradley	#1492-CB1G020	Standard	2
5P1808	CIRCUIT BREAKER, 4A, 1P	D	Allen Bradley	#1492-CB1G040	Standard	1
5P1809	CIRCUIT BREAKER, 7A, 1P	D	Allen Bradley	1492-CB1G070	Standard	1
5P1576	7-SLOT CHASSIS	D	Allen Bradley	#1746-A7	Standard	1
5P1577	SLC 5/03, 8K	D	Allen Bradley	#1747-L531	Standard	1
5P1583	PLC MEMORY MODULE	D	Allen Bradley	#1747-M11	Standard	1
5P1575	POWER SUPPLY	D	Allen Bradley	#1746-P3	Standard	1
5P1578	PLC INPUT CARD	D	Allen Bradley	#1746-IB16	Standard	2
5P1580	PLC OUTPUT CARD	D	Allen Bradley	#1746-OB16	Standard	2
5P1437	SLOT FILLER CARD	D	Allen Bradley	#1746-N2	Standard	2
5P1127	DATA TABLE ACCESS MODULE	D	Allen Bradley	1747-DTAM-E	Standard	1
5P1679	WIRING HARNESS, OUPUT CARD	D	Allen Bradley	#1492 CABLE010E	Standard	2
5P1741	WIRING HARNESS, IB16, 1 METER	D	Allen Bradley	#1492-CABLE010B	Standard	2
5P1752	WIRING INTERFACE MODULE	D	Allen Bradley	#1492-IFM20F-2	Standard	3
5P1753	WIRING INTERFACE MODULE	D	Allen Bradley	#1492-IFM20F-3	Standard	1
5P1853	TERMINAL END ANCHOR, IEC	D	Allen Bradley	#1492-EA35	Standard	2
5P1849	TERMINAL, BLACK, IEC	D	Allen Bradley	#1492-W4-BL	Standard	3
5P1847	TERMINAL, GRAY, IEC	D	Allen Bradley	#1492-W4	Standard	5
5P1854	TERMINAL END BARRIER, IEC	D	Allen Bradley	#1492-EB3	Standard	4
5P1848	TERMINAL, BLUE, IEC	D	Allen Bradley	#1492-W4-B	Standard	18
5P1852	TERMINAL, GROUND, IEC	D	Allen Bradley	#1492-WG4	Standard	14
5P1851	TERMINAL JUMPER, 10-POLE, IEC	D	Allen Bradley	#1492-CJ6-10	Standard	1
5P1850	TERMINAL MARKER CARD	D	Allen Bradley	#1492-SM6X12	Standard	1
5P1788	ANGLED STANDOFF BRACKETS	D	Allen Bradley	#1492-N25	Standard	4
5P1906	STACK LIGHT, 24V, GRN-AMB-RED	D	Allen Bradley	#855EP-B24D3D5D4	Standard	1
5P1624	PUSHBUTTON RED 22MM EXTENDED HEAD	D	Automation Direct	#E22EB2B	Standard	2
5P1754	KEY SWITCH, 2-POS, 22MM	D	Automation Direct	#E22KB53A	Standard	1
5P1622	PUSHBUTTON, RED 22MM MUSHROOM HEAD	D	Automation Direct	#E22LLB2B	Standard	1
5P1629	PUSHBUTTON, 22MM BLACK FLUSH HEAD	D	Automation Direct	#E22PB1A	Standard	3
5P1641	PUSHBUTTON 22MM GREEN, FLUSH HEAD	D	Automation Direct	#E22PB3A	Standard	2
5P1627	PUSH BUTTON 22MM GRN ILLUMINATED	D	Automation Direct	#E22TB3X4B	Standard	1
5P1640	SELECTOR SWITCH 22MM	D	Automation Direct	#E22XB51A	Standard	1
5P1726	FUSE 4A CLASS CC	D	Bussmann	# FNQ-R-4	Standard	2
5P1388	FUSE 5A CLASS J	D	Bussmann	#LPJ-5 SP	Standard	3
5P1410	TRANSFORMER 240/480 VAC INPUT	D	Dongan	#HC-0750-4100 W/DUAL PRIMM	Standard	1
5P1719	ELECTRICAL ENCLOSURE 36"X30"X12"	D	Hoffman	# SD363012	Standard	1
5P1363	ENCLOSURE PANEL 869 MM X 716 MM	D	Hoffman	#C-P3630 (CONCEPT TYPE)	Standard	1

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5P1529	DATA POCKET	D	Hoffman	#A-DP2	Standard	1
5P1354	ENCLOSURE, 2 PUSHBUTTON (22MM)	D	Hoffman	#E-2PBGX	Standard	2
5P1602	ENCLOSURE	D	Hoffman	#E-6PBGX	Standard	1
5P1737	DC POWER SUPPLY, 24V, 5A	D	Sola	#SDN 5-24-100	Standard	1
5P1782	FORCE GUIDED RELAY, 24VDC	D	STI	#44532-0110	Standard	2
5P1628	LEGEND PLATE FOR 22MM PUSH BUTTON	D	The Cutting Edge	CONTROL ON	Standard	1
5P1623	LEGEND PLATE FOR 22MM PUSHBUTTON	D	The Cutting Edge	CYCLE START	Standard	1
5P1626	LEGEND PLATE FOR 22MM PUSHBUTTON	D	The Cutting Edge	CYCLE STOP	Standard	1
5P1755	LEGEND PLATE FOR 22MM PUSHBUTTON	D	The Cutting Edge	# 60-001-180	Standard	1
5P1758	LEGEND PLATE FOR 22MM SELECTOR	D	The Cutting Edge	GUARDING RUN-SETUP	Standard	1
5P1756	LEGEND PLATE FOR 22MM PUSHBUTTON	D	The Cutting Edge	GUN NO. 1 PASTE	Standard	1
5P1757	LEGEND PLATE FOR 22MM PUSHBUTTON	D	The Cutting Edge	GUN NO. 2 PASTE	Standard	1
5P1625	LEGEND PLATE FOR 22MM PUSHBUTTON	D	The Cutting Edge	HEAT OFF	Standard	1
5P1818	LEGEND PLATE FOR 22MM PB	D	The Cutting Edge	HEAT ON LOW FLAME	Standard	1
5P1631	LEGEND PLATE FOR 22MM PUSHBUTTON	D	The Cutting Edge	MANUAL INDEX	Standard	1
5P1634	LEGEND PLATE FOR 22MM SELECTOR	D	The Cutting Edge	MODE MAN-AUTO	Standard	1
5P1638	LEGEND PLATE FOR 22MM SELECTOR	D	The Cutting Edge	PASTE SLIDE OFF-ON	Standard	1
5P1524	MARK II SMARTEYE CONTROLLER, 24 VDC	D	Tri Tronics	#SEIF1	Standard	1
5P1186	OPTICAL SENSING TIP	D	Tri Tronics	#BF-A-36T	Standard	1
5P1546	PROXIMITY SWITCH SPLITTER CABLE	D	Turck	VBRS4.42PKG3M0.3/0.3	Standard	1
5P1536	PROXIMITY SWITCH, 24VDC SOURCING	D	Turck	#Ni2-G08K-AP6X-V1131	Standard	2
5P1547	PROXIMITY SWITCH CABLE	D	Turck	#RK4.4T-6	Standard	2
5P1902	RECEPTACLE, DIN MOUNT, 1-GANG	D	Weidmuller	#991548	Standard	1
Pneumatic Components						
6P1211	FLOW CONTROL	D	Alkon	#JAQ-4x2	Standard	2
3P0018	REGULATOR, AIR PRESSURE	D	Arrow	#R262L REGULATOR W/ #PK16	Standard	2
6P1086	VALVE, SOLENOID 2-WAY	D	Asco	#SC8210G2	Standard	1
6P1219	PLUG CONNECTOR, ISO, 24VDC w/LIGHT	D	Canfield	#P51C3-1611000	Standard	3
6P1200	PROGRAMMABLE PUSH BUTTON	D	Effector	SI8503	Standard	1
6P1268	MANIFOLD END PLATE	D	Festo	# 151661	Standard	1
6P1270	MUFFLER	D	Festo	# 12639	Standard	2
6P1266	MANIFOLD SUB BASE	D	Festo	# 151660	Standard	5
6P1263	VALVE 24VDC DOUBLE SOLENOID CENTER	D	Festo	# 173140	Standard	1
6P1267	SINGLE SOLENOID VALVE	D	Festo	# 173128	Standard	4
6P1259	CABLE 24 VDC 6M LONG	D	Festo	# 30945	Standard	6
6P1256	FILTER REGULATOR,DUMP VALVE,SOFT ST	D	Festo	# 13005855	Standard	1
6P1257	VALVE 2 WAY 1/2 NPT	D	Festo	# 161729	Standard	2
6P1258	SOLENOID 24 VDC	D	Festo	# 123060	Standard	2
4P1340	COUPLING BRACKET	D	Fusion	4P1340	Standard	1
4P1317	FILTER REGULATOR MTG BRACKET	D	Fusion	4P1317	Standard	1
4P1318	PNEUMATIC VALVE MTG BRACKET	D	Fusion	4P1318	Standard	1

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4P1064	SAFETY SHIELD L/O	D	Fusion	4P1064	Standard	1
6P1204	VALVE 3-WAY AIR, 1/8" NPT	D	Mazzer	#12200-2	Standard	2
6P1008	VALVE, NEEDLE	D	Parker	#NV-109P-4	Standard	6
4P1069	CLAMP ASSEMBLY, 1/2" PIPE	D	Stauff	#SP3213PP-DP-AS	Standard	1
3P0020	GAUGE - 65PSI/KPA,1/8"NPT CONNECTOR	D	Weiss	#TL20P-U	Standard	2
Gas Components						
8P1047	GAS/AIR BURNER	D	AGF	1542-D	Standard	15
8P2076	1/4 TURN LOCKABLE BALL VALVE	D	Apollo	# 75-104-01	Standard	1
8P2080	1/4 TURN LOCKABLE BALL VALVE	D	Apollo	#75-103	Standard	1
8P2081	ASCO VALVE	D	Asco	# SC8215G30	Standard	1
5P1897	PRESSURE SWITCH	D	Asco	# PA10A 6-60 PSI	Standard	1
6P1086	VALVE, SOLENOID 2-WAY	D	Asco	#SC8210G2	Standard	1
6P1219	PLUG CONNECTOR, ISO, 24VDC w/LIGHT	D	Canfield	#P51C3-1611000	Standard	4
6P1260	FILTER REGULATOR WITH GAUGE 1/2 NPT	D	Festo	# LFR-M2-N1/2-E10RG # 18049	Standard	1
8P2069	FISHER REGULATOR, 3/8 ORIFICE	D	Fisher	#S102K-BFBBM	Standard	1
4P1315	PIPE SUPPORT LONG	D	Fusion	4P1315	Standard	1
4P1316	PIPE SUPPORT SHORT	D	Fusion	4P1316	Standard	1
4P1314	MAGNEHELIC MOUNTING BRACKET	D	Fusion	4P1314	Standard	1
4P1003	MOUNTING BRACKET, FLOWMETER	D	Fusion	4P1003	Standard	1
4P1004	MOUNTING ARM PER DWG. 4P1004	D	Fusion	4P1004	Standard	2
8P2107	GAS VALVE 1/2" NPT	D	Apollo	SC8215G20	Standard	2
8P2062	PRESSURE SWITCH 2-20" WC	D	North American	#8757-GAO-A4/4/5	Standard	2
8P2038	GAS PRESSURE GAGE, 0-5PSI	D	North American	#8735-Q	Standard	1
8P2058	PRESSURE GAUGE, DUAL SCALE	D	North American	#8735-W	Standard	1
8P2063	PARKER HOSE	D	Parker	#SS25UL-6	Standard	6
8P2064	PARKER STRAIGHT FITTING	D	Parker	#7115-6B	Standard	2
8P2065	PARKER FITTING	D	Parker	#0104-6-6B	Standard	2
8P1181	HOSE	D	Parker	#SS25UL-12	Standard	60
8P1180	FITTING	D	Parker	#20820-12-12	Standard	2
8P1179	FITTING	D	Parker	#0104-12-12B	Standard	2
8P2002	VALVE-NEEDLE 1/2" NPT	D	Pyronics	#1431-4NV	Standard	4
8P2026	1/4 NPT THROTTLING SHUTOFF VALVE	D	Pyronics	# 2TSV	Standard	15
4P1070	CLAMP ASSEMBLY, 3/4" PIPE	D	Stauff	#SP4266PP-DP-AS	Standard	2
4P1069	CLAMP ASSEMBLY, 1/2" PIPE	D	Stauff	#SP3213PP-DP-AS	Standard	3
Paste Components						
4P1235	STANCHION BASE 2" DIA.	D	80/20	#5300	Standard	1
4P1234	STANCHION MTG BLOCK 2" DIA.	D	80/20	#5650	Standard	1
4P1249	2"DIA. STANCHION TUBE	D	80/20	#5045/7213	Standard	1
4P1242	TOP MTG. PLATE FOR	D	Fusion	4P1242	Standard	1
4P1233	SLIDE MOUNTING PLATE	D	Fusion	4P1233	Standard	1

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7P1055	SPLIT GUN CLAMP, ZINC PLATED	D	Fusion	7P1055	Standard	1
7P1057	CLAMP BLOCK	D	Fusion	7P1057	Standard	2
4P1042	BRACKET FOR FIBRE OPTIC CABLE	D	Fusion	4P1042	Standard	1
4P1008	BRACKET PASTE TANK MOUNT	D	Fusion	4P1008	Standard	1
7P1045	NOZZLE NUT	D	Fusion	7P1045	Standard	2
7P1048	CONE NOZZLE	D	Fusion	7P1048	Standard	2
4P1236	SLIDE, 6" 5/8 DIA. RODS	D	PHD	#SDC24 X 6.0"-Q1-GI	Standard	1
4P1287	MOUNTING BRACKETS FOR PROX SWITCHES	D	PHD	#53101-02-1	Standard	2

Miscellaneous

N/A	ERGONOMIC SIT/STAND STOOL	G	Lyon Metal Product NF2092		Standard	1
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Estimated costs (purchased items only):

General components (except vent hood, fixtures)	\$5,100
Vent hood	\$3,150
Fixtures	\$13,140
Electrcial components	\$6,200
Pneumatic components	\$1,500
Gas components	\$2,200
Sit/stand stool	\$208
Total	\$31,498