



BOM Number	Part	Price	Part Count	Cost	Distributor	Part #
1	1/4" Ferrule Tee	\$23.40		\$0.00	Swagelok	SS-400-3
2	1/4" Tube OD 1/4" NPT Female Tube Adapter	\$10.15		\$0.00	Swagelok	SS-4-TA-7-4
3	1/4" Tube OD to 1/2" NPT Male Tube Adapter			\$0.00	Swagelok	SS-4-TA-1-8
4	Pressure Transducer (3000 psi)	\$188.75		\$0.00	Ashcroft / Grainger	G17M0215F23000
5	Manual SS 316 1/2" NPT Ball Valve	\$42.80		\$0.00	Sharpe Valves	SV39036TE004
6	1/4" NPT Male Tube Adapter	\$6.32		\$0.00	Swagelok	SS-4-TA-1-4
7	Two Stage Pressure Regulator w/ internal filter	\$523.86		\$0.00	Swagelok	KCY1JRA412A20000
8	1/4" NPT Hex Nipple	\$6.32		\$0.00	Swagelok	SS-4-HN
9	Solenoids (Nitrogen)	\$98.10		\$0.00	Asco	8262H080
10	Check Valves	\$48.55		\$0.00	Swagelok	SS-4C4-1
11	1/4" Ferrule to 1/4" NPT Male Connector	\$7.35		\$0.00	Swagelok	SS-400-1-4
12	90° Ferrule Union Elbow				Swagelok	SS-400-9
13	1/4" Tube OD to 1/2" NPT Female Tube Adapter				Swagelok	SS-4-TA-7-8
14	1/4" Ferrule Cross	\$42.54		\$0.00	Swagelok	SS-400-4
15	Relief Valves	\$151.49		\$0.00	Swagelok	SS-4R3A5-SETB
16	1/4" to 1/2" Ferrule Union				Swagelok	SS-810-6-4
17	1/2" Port Connector				Swagelok	SS-811-PC
18	1/2" Ferrule Union Tee				Swagelok	SS-810-3
19	1/2" NPT Male Tube Adapter				Swagelok	SS-8-TA-1-8
20	1/2" Ferrule to 3/4" NPT Male Connector				Swagelok	SS-810-1-12
21	LOX Tank	\$372.94		\$0.00	Hoke / eBay	8HD4G
22	1/2" Ferrule to 1/2" NPT Male Connector				Swagelok	SS-810-1-8
23	Cryogenic Ball Valve	\$150.28		\$0.00	Flowserve	C4466PMSE
24	1/2" to 1/4" Reducing Ferrule Union Tee				Swagelok	SS-810-3-8-4
25	1/2" to 3/8" Reducing Ferrule Union				Swagelok	SS-810-6-6
26	3/8" Ferrule Union Tee				Swagelok	SS-600-3
27	3/8" NPT Female Tube Adapter	\$10.15		\$0.00	Swagelok	SS-6-TA-7-6
28	Ethanol Tank	\$132.99	1	\$132.99	Luxfer / Amazon	C020
29	3/8" Ferrule to 3/4" NPT Male Connector				Swagelok	SS-600-1-12
30	3/8" Port Connector				Swagelok	SS-601-PC
31	3/8" to 1/4" Reducing Ferrule Union Tee				Swagelok	SS-600-3-6-4
32	3/8" Tube OD to 3/8" NPT Male Tube Adapter				Swagelok	SS-6-TA-1-6
33	3/8" Ferrule to 3/8" NPT Male Connector				Swagelok	SS-600-1-6
34	Pneumatic Actuator - Worcester Double Acting 2539				Worcester	25-_-39-_-