



## ShieldMission OxiKit BOM

\$350 OxiKit Bundle + \$712.55 Other stores = \$1,062.55

| Description   | Other Supplier Price | Qty Needed | In OxiKit Bundle | Other Supplier Total Price |
|---|----------------------|------------|------------------|----------------------------|
| <b>VALVES &amp; REGULATORS</b>  |                      |            |                  |                            |
| 3/8" NPT 3-Way Solenoid Valve, 12 V DC  |                      | 2          | 2                |                            |
| Direct Acting Solenoid Valve 1/4" ports 12 V DC   |                      | 1          | 1                |                            |
| High Pressure Regulator 3/8" NPT 150PSI   |                      | 1          | 2                |                            |
| Low Pressure Regulator 3 to 30PSI   |                      | 1          | 1                |                            |
| Pressure Gauge 1/4" NPT Back, 0-60psi (Back Mount)50mm Axial iron shell integrated pressure gaugechroming shell, brass back connection, dia. 50 mm.NPT1/4, accuracy 2.5%. |                      | 3          | 3                |                            |
| <a href="#">3-30LPM LZQ-7 Oxygen Air Gas Flowmeter</a>  | \$16.89              | 1          | Not in Bundle    | \$16.89                    |
| <b>FITTINGS</b>   |                      |            |                  |                            |
| 3/8" Male NPT to 3/8"Push to Connect - Strait   |                      | 5          | 5                |                            |
| 3/8" Male NPT to 3/8"Push to Connect - 90 Elbow   |                      | 6          | 14               |                            |
| 3/8"Push to Connect to 3/8"Push to Connect to 3/8"Push to Connect - Tee   |                      | 6          | 8                |                            |
| 3/8"Push to Connect to 3/8"Push to Connect to 3/8"Push to Connect - Y   |                      | 1          | 1                |                            |
| 3/8"Push to Connect to 3/8"Push to Connect - 90 Elbow   |                      | 3          | 3                |                            |
| 1/4" Male NPT to 3/8" Push to Connect - 90 Elbow  |                      | 2          | 5                |                            |
| 1/4" Male NPT to 3/8" Push to Connect - Strait  |                      | 4          | 5                |                            |
| Brass/Stainless 3/8-Inch tube PTC x 1/4-Inch Male NPT - Coupler   |                      | 2          | 5                |                            |
| <a href="#">Brass 1/4 NPT Female to 1/4" NPT Female - Coupling</a>  | \$5.82               | 3          | Not in Bundle    | \$17.46                    |
| <a href="#">Brass 1/2-in NPT Male to 1/4" NPT Female - Adapter Bushing</a>  | \$3.99               | 2          | Not in Bundle    | \$7.98                     |
| <a href="#">Brass 1/4" NPT male plug hex or square head</a>   | \$7.99               | 1          | Not in Bundle    | \$7.99                     |
| <a href="#">Air pressure safety relief valve 1/4" NPT male set to open at 50 psi</a>  | \$8.50               | 1          | Not in Bundle    | \$8.50                     |
| <b>TUBING</b>   |                      |            |                  |                            |
| <a href="#">High Density Polyethylene (HDPE) Tubing, 1/4" ID, 3/8" per roll OD (10 Feet Per Machine Required- White)</a>  | \$21.52              | 1          | Not in Bundle    | \$21.52                    |
| <a href="#">Clear Vinyl tube, 1/4" ID, 3/8" per roll OD (2 Feet Per Machine Required - Clear)</a>   | \$16.99              | 1          | Not in Bundle    | \$16.99                    |
| 1.5 orifices  |                      | 3          | 3                |                            |
| <b>BRAIN COMPONENTS</b>   |                      |            |                  |                            |
| <a href="#">Arduino Uno Board With Mounting Plate</a>   | \$21.90              | 1          | Not in Bundle    | \$21.90                    |
| <a href="#">Arduino Uno Board Relay Shield 4 relays</a>   | \$9.99               | 1          | Not in Bundle    | \$9.99                     |
| 12V 40 watt power supply  |                      | 1          | 1                | \$0.00                     |
| <a href="#">20 awg Electronics Wire</a>   | \$14.99              | 1          | 1                | \$14.99                    |
| <b>HEAT/HUMIDITY MANAGEMENT COMPONENTS</b>  |                      |            |                  |                            |
| <a href="#">3/8" OD Copper Tubing (Need around 20')</a>   | \$22.67              | 1          | Not in Bundle    | \$22.67                    |
| 12V DC 120mm High Speed Cooling Fan   |                      | 5          | 5                |                            |
| Humidifier Water Bottle   |                      | 1          | 1                |                            |
| <b>COMPRESSOR</b>   |                      |            |                  |                            |
| <a href="#">California Air Tools SP-9421 2.0HP Ultra Quiet and Oil-Free Air Compressor Motor</a>  | \$364.64             | 1          | Not in Bundle    | \$364.64                   |
| <b>MISCELLANEOUS</b>  |                      |            |                  |                            |
| Cable Ties 40 pack  |                      | 1          | 40               |                            |
| <a href="#">2" Wheels</a>   | \$17.99              | 1          | Not in Bundle    | \$17.99                    |
| <a href="#">2x4x10 Wood</a>   | \$6.95               | 1          | Not in Bundle    | \$6.95                     |
| <a href="#">3/4" MDF 15.5" x 15.5" (Can also use Plywood)</a>   | \$36.00              | 1          | Not in Bundle    | \$36.00                    |
| <a href="#">1/4" MDF 6" x 4.5" (Can also use Plywood)</a>   | \$8.53               | 1          | Not in Bundle    | \$8.53                     |
| in-line HIPAA Sanitary Air Filter   |                      | 1          | 1                |                            |
| Heat Shrink or Electrical Tape  |                      |            | Not in Bundle    |                            |
| Solder or Twist Connectors  |                      |            | Not in Bundle    |                            |
| <b>SIEVE PVC PARTS</b>  |                      |            |                  |                            |
| <a href="#">3" Schedule 40 PVC Female Adapter - Socket to FIPT</a>  | \$2.76               | 2          | Not in Bundle    | \$5.52                     |
| <a href="#">3" Schedule 40 PVC Male Adapter - MIPT to Socket</a>  | \$3.42               | 2          | Not in Bundle    | \$6.84                     |
| <a href="#">3" x 3/4" Sch 40 PVC Reducer Bushing Flush Style - Spigot to FIPT</a>   | \$2.36               | 6          | Not in Bundle    | \$14.16                    |
| <a href="#">3/4" x 3/8" Sch 40 PVC Reducer (T.T.) Bushing - MIPT to FIPT</a>  | \$2.36               | 6          | Not in Bundle    | \$14.16                    |
| <a href="#">3" Sch 40 PVC Coupling - Socket to Socket</a>   | \$2.56               | 6          | Not in Bundle    | \$15.36                    |
| <a href="#">2" x 3/4" Schedule 40 PVC Reducer Bushing - Spigot to FIPT</a>  | \$1.36               | 2          | Not in Bundle    | \$2.72                     |
| <a href="#">PVC 3 in. Round Snap-In Floor Drain</a>   | \$2.72               | 4          | Not in Bundle    | \$10.88                    |
| <b>SIEVE INTERNAL PARTS</b>   |                      |            |                  |                            |
| 2" Diameter x 3" Tall - Compression Springs - 50 lb per inch tension  |                      | 2          | 2                |                            |
| 304 Stainless Steel Woven 100 Mesh 0.18mm Hole Disk 75mm  |                      | 2          | 2                |                            |
| 304 Stainless Steel Woven 100 Mesh 0.18mm Hole Disk 71mm  |                      | 2          | 2                |                            |
| <a href="#">Non-woven Filter Material - Vent Register Filter 4" X 12"</a>   | \$14.99              | 1          | Not in Bundle    | \$14.99                    |
| <a href="#">Gorilla PVC Cement 8 oz. R1584C Medium Body PrimaGlue, One-Step</a>   | \$18.11              | 1          | Not in Bundle    | \$18.11                    |
| <a href="#">Rectorseal 25551 8-Ounce No. 5 Pipe Thread Sealant</a>  | \$8.82               | 1          | Not in Bundle    | \$8.82                     |