

## **ShieldMission OxiKit BOM**

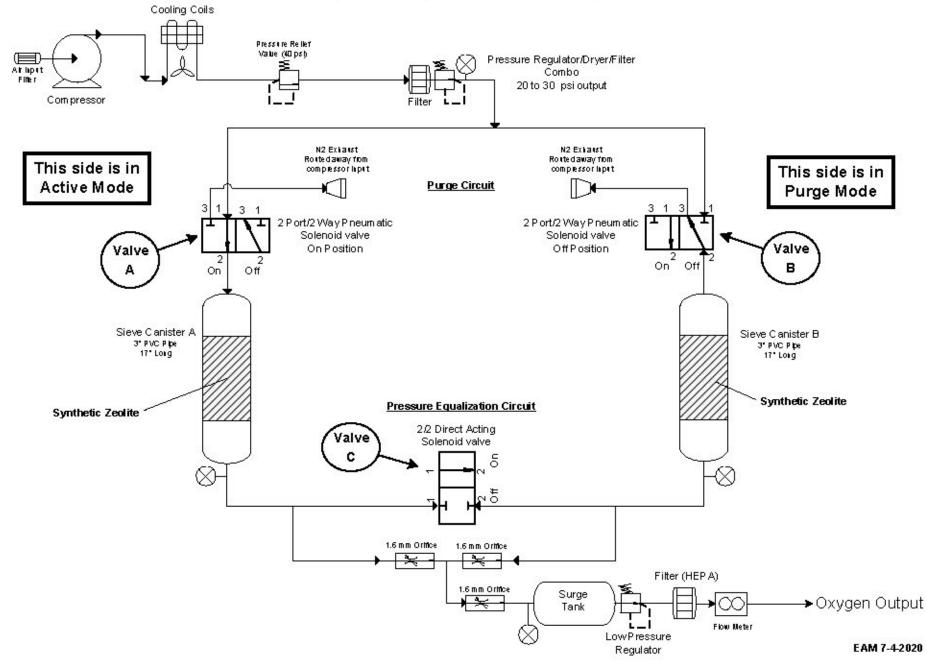
OxiKit Build Bundle - With Compressor

\$2,091.60 OxiKit Bundle + \$863.81 Other stores = \$2955.41

| Description  | SKU  | QTY<br>Needed                                      | In Bundle<br>(Y/N)                       | Total Line<br>Price   |
|--|--|--|--|---|
| VALVES & REGULATORS  |  |  |  |   |
| 3-Way Solenoid Valve 3/8" NPT  | OXI-VAR-SOL  | 2  | Υ  | 0   |
| 2-Way Direct Acting Solenoid Valve 1/4" NPT  | OXI-VAR-DAS  | 1  | Υ  | 0   |
| Miniature Air Pressure Regulator 1/4" NPT (3-60 PSI)   | OXI-VAR-HPR  | 1  | Υ  | 0   |
| Low Pressure Regulator 3 to 30PSI  | OXI-VAR-LPR  | 1  | Υ  | 0   |
| 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%.  | OXI-VAR-PGB  | 2  | Y  | 0   |
| 3-30LPM LZQ-7 Oxygen Air Gas Flowmeter   | OXI-VAR-OGF  | 1  | N  | \$16.89   |
| FITTINGS   |  |  |  |   |
| 3/8" Male NPT to 3/8"Push to Connect - Strait  | OXI-FIT-STR  | 3  | Υ  | 0   |
| 3/8" Male NPT to 3/8"Push to Connect - 90 Elbow  | OXI-FIT-ELB  | 12   | Υ  | 0   |
| 3/8"Push to Connect to 3/8"Push to Connect to 3/8"Push to Connect -<br>Tee   | OXI-FIT-TEE  | 6  | Υ  | 0   |
| 3/8"Push to Connect to 3/8"Push to Connect to 3/8"Push to Connect -  | OXI-FIT-WYE  | 1  | Υ  | 0   |
| 1/4" Male NPT to 3/8" Push to Connect - 90 Elbow   | OXI-FIT-MEL  | 2  | Υ  | 0   |
| 1/4" Male NPT to 3/8" Push to Connect - Strait   | OXI-FIT-MST  | 4  | Υ  | 0   |
| Brass/Stainless 3/8-Inch tube PTC x 1/4-Inch Male NPT - Coupler  | OXI-FIT-BCO  | 2  | Υ  | 0   |
| Brass 1/4 NPT Female to 1/4" NPT Female - Coupling   | OXI-FIT-COU  | 3  | N  | \$17.43   |
| Brass 1/2-in NPT Male to 1/4" NPT Female - Adapter Bushing   | OXI-FIT-ADB  | 2  | N  | \$11.98   |
|  |  |  |  |   |
| Brass 1/4" NPT male plug hex or square head  | OXI-FIT-HEX  | 1  | N  | \$7.99  |
| Air pressure safety relief valve 1/4" NPT male set to open at 50 psi   | OXI-FIT-APS  | 1  | N  | \$8.24  |
| TUBING   |  |  |  |   |
| High Density Polyethylene (HDPE) Tubing, 1/4" ID, 3/8" per roll OD (10  Feet Per Machine Required- White)  | OXI-TUB-HDP  | 1  | N  | \$71.91   |
| Clear Vinyl tube, 1/4" ID, 3/8" per roll OD (2 Feet Per Machine<br>Required - Clear)   | OXI-TUB-CVT  | 1  | N  | \$16.99   |
| 1.5 orifices   |  | 3  | Υ  | 0   |
| BRAIN COMPONENTS   |  |  |  |   |
| Arduino Uno Board With Mounting Plate  | OXI-BRC-AUB  | 1  | N  | \$19.98   |
| Arduino Uno Board Relay Shield 4 relays  | OXI-BRC-ABR  | 1  | N  | \$21.41   |
| 12V 40 watt power supply   | OXI-BRC-PSP  | 1  | Υ  | 0   |
| 20 awg Electronics Wire  | OXI-BRC-STW  | 1  | Υ  | 0   |
| HEAT/HUMIDITY MANAGEMENT COMPONENTS  |  |  |  |   |
| 3/8" OD Copper Tubing (Need around 20')  | OXI-HMC-CUT  | 1  | N  | \$24.09   |
|  |  | -  | Υ  | 0   |
| 12V DC 120mm High Speed Cooling Fan  | OXI-HMC-HSP  | 5  | T  |   |
|  | OXI-HMC-HSP<br>OXI-HMC-HWB   | -  | Y  | 0   |
| Humidifier Water Bottle  |  | -  |  |   |
| Humidifier Water Bottle COMPRESSOR Oxikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300   |  | -  |  | -   |
| Humidifier Water Bottle COMPRESSOR Oxikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300 High Flow LPM   | OXI-HMC-HWB  | 1  | Υ  | 0   |
| 12V DC 120mm High Speed Cooling Fan Humidifier Water Bottle COMPRESSOR Oxikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300 High Flow LPM MISCALLANEOUS Cable Ties 40 pack  | OXI-HMC-HWB  | 1  | Υ  | 0   |
| Humidifier Water Bottle COMPRESSOR  Dxikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300 High Flow LPM  MISCALLANEOUS Cable Ties 40 pack  | OXI-HMC-HWB OXI-COM-180  | 1  | N  | \$364.64  |
| Humidifier Water Bottle COMPRESSOR Oxikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300 High Flow LPM MISCALLANEOUS Cable Ties 40 pack 2" Wheels  | OXI-HMC-HWB  OXI-COM-180  OXI-MIS-CAB  OXI-MIS-WHL   | 1<br>1<br>40<br>1                                  | Y N Y N                                  | 0 \$364.64  |
| Humidifier Water Bottle  COMPRESSOR  Oxikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300  High Flow LPM  MISCALLANEOUS  Cable Ties 40 pack  2" Wheels  2x4x10 Wood   | OXI-HMC-HWB  OXI-COM-180  OXI-MIS-CAB  OXI-MIS-WHL  OXI-MIS-WOD  | 1<br>1<br>40<br>1<br>1                             | Y N Y N N                                | 0<br>\$364.64<br>0<br>\$22.99<br>\$17.99  |
| Humidifier Water Bottle COMPRESSOR Oxikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300 High Flow LPM MISCALLANEOUS Cable Ties 40 pack 2" Wheels 2x4x10 Wood B/4" MDF 15.5" x 15.5" (Can also use Plywood)  | OXI-HMC-HWB  OXI-COM-180  OXI-MIS-CAB  OXI-MIS-WHL  OXI-MIS-WOD  OXI-MIS-PLY   | 1<br>1<br>40<br>1<br>1                             | Y N Y N N N                              | 0<br>\$364.64<br>0<br>\$22.99<br>\$17.99<br>\$44.60   |
| Humidifier Water Bottle  COMPRESSOR  Oxikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300  High Flow LPM  MISCALLANEOUS  Cable Ties 40 pack 2" Wheels  2x4x10 Wood  3/4" MDF 15.5" x 15.5" (Can also use Plywood)  1/4" MDF 6" x 4.5" (Can also use Plywood)  | OXI-HMC-HWB  OXI-COM-180  OXI-MIS-CAB  OXI-MIS-WHL  OXI-MIS-WOD  OXI-MIS-PLY  OXI-MIS-PLW  | 1<br>40<br>1<br>1<br>1<br>1                        | Y N Y N N N N                            | 0<br>\$364.64<br>0<br>\$22.99<br>\$17.99<br>\$44.60<br>\$8.53   |
| Humidifier Water Bottle  COMPRESSOR  Oxikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300  High Flow LPM  MISCALLANEOUS  Cable Ties 40 pack  2" Wheels  2x4x10 Wood  3/4" MDF 15.5" x 15.5" (Can also use Plywood)  1/4" MDF 6" x 4.5" (Can also use Plywood)  in-line HIPAA Sanitary Air Filter  | OXI-HMC-HWB  OXI-COM-180  OXI-MIS-CAB  OXI-MIS-WHL  OXI-MIS-WOD  OXI-MIS-PLY  OXI-MIS-PLW  OXI-MIS-AFL   | 1<br>40<br>1<br>1<br>1<br>1                        | Y N Y N N N N Y                          | 0<br>\$364.64<br>0<br>\$22.99<br>\$17.99<br>\$44.60<br>\$8.53<br>0  |
| Humidifier Water Bottle  COMPRESSOR  Dxikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300  High Flow LPM  MISCALLANEOUS  Cable Ties 40 pack  2" Wheels  2x4x10 Wood  3/4" MDF 15.5" x 15.5" (Can also use Plywood)  1/4" MDF 6" x 4.5" (Can also use Plywood)  n-line HIPAA Sanitary Air Filter  Heat Shrink or Electrical Tape   | OXI-HMC-HWB  OXI-COM-180  OXI-MIS-CAB  OXI-MIS-WHL  OXI-MIS-WOD  OXI-MIS-PLY  OXI-MIS-PLW  | 1<br>40<br>1<br>1<br>1<br>1                        | Y N Y N N N N                            | 0<br>\$364.64<br>0<br>\$22.99<br>\$17.99<br>\$44.60<br>\$8.53<br>0<br>\$13.25   |
| Humidifier Water Bottle  COMPRESSOR  Dxikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300 High Flow LPM  MISCALLANEOUS  Cable Ties 40 pack 2" Wheels  2x4x10 Wood  3/4" MDF 15.5" x 15.5" (Can also use Plywood)  1/4" MDF 6" x 4.5" (Can also use Plywood)  n-line HIPAA Sanitary Air Filter  Heat Shrink or Electrical Tape  Solder or Twist Connectors   | OXI-HMC-HWB  OXI-COM-180  OXI-MIS-CAB  OXI-MIS-WHL  OXI-MIS-WOD  OXI-MIS-PLY  OXI-MIS-PLW  OXI-MIS-AFL   | 1<br>40<br>1<br>1<br>1<br>1                        | Y N Y N N N N Y                          | 0<br>\$364.64<br>0<br>\$22.99<br>\$17.99<br>\$44.60<br>\$8.53<br>0  |
| Humidifier Water Bottle  COMPRESSOR  Dxikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300 High Flow LPM  MISCALLANEOUS  Cable Ties 40 pack 2" Wheels  2x4x10 Wood  3/4" MDF 15.5" x 15.5" (Can also use Plywood)  1/4" MDF 6" x 4.5" (Can also use Plywood)  n-line HIPAA Sanitary Air Filter  Heat Shrink or Electrical Tape  Solder or Twist Connectors   | OXI-HMC-HWB  OXI-COM-180  OXI-MIS-CAB  OXI-MIS-WHL  OXI-MIS-WOD  OXI-MIS-PLY  OXI-MIS-PLW  OXI-MIS-AFL  OXI-MIS-ELT  | 1<br>40<br>1<br>1<br>1<br>1<br>1<br>1              | Y N Y N N N N Y N N N N N N N N N N N N  | 0<br>\$364.64<br>0<br>\$22.99<br>\$17.99<br>\$44.60<br>\$8.53<br>0<br>\$13.25<br>\$38.99  |
| Humidifier Water Bottle COMPRESSOR  Dixikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300 High Flow LPM  MISCALLANEOUS Cable Ties 40 pack 2" Wheels 2x4x10 Wood 8/4" MDF 15.5" x 15.5" (Can also use Plywood) 1/4" MDF 6" x 4.5" (Can also use Plywood) n-line HIPAA Sanitary Air Filter Heat Shrink or Electrical Tape Solder or Twist Connectors SIEVE PVC PARTS  | OXI-HMC-HWB  OXI-COM-180  OXI-MIS-CAB  OXI-MIS-WHL  OXI-MIS-WOD  OXI-MIS-PLY  OXI-MIS-PLW  OXI-MIS-AFL  OXI-MIS-ELT  | 1<br>40<br>1<br>1<br>1<br>1<br>1<br>1              | Y N Y N N N N Y N N N N N N N N N N N N  | 0<br>\$364.64<br>0<br>\$22.99<br>\$17.99<br>\$44.60<br>\$8.53<br>0<br>\$13.25   |
| Humidifier Water Bottle  COMPRESSOR  Dxikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300 High Flow LPM  MISCALLANEOUS  Cable Ties 40 pack 2" Wheels  2x4x10 Wood  8/4" MDF 15.5" x 15.5" (Can also use Plywood)  1/4" MDF 6" x 4.5" (Can also use Plywood)  n-line HIPAA Sanitary Air Filter  Heat Shrink or Electrical Tape  Solder or Twist Connectors  SIEVE PVC PARTS  8" Schedule 40 PVC Female Adapter - Socket to FIPT  | OXI-HMC-HWB  OXI-COM-180  OXI-MIS-CAB  OXI-MIS-WHL  OXI-MIS-PLY  OXI-MIS-PLW  OXI-MIS-AFL  OXI-MIS-ELT  OXI-MIS-SOL  | 1<br>40<br>1<br>1<br>1<br>1<br>1<br>1              | Y N Y N N N N N N N N N N N N N N N N N  | 0<br>\$364.64<br>0<br>\$22.99<br>\$17.99<br>\$44.60<br>\$8.53<br>0<br>\$13.25<br>\$38.99  |
| Humidifier Water Bottle  COMPRESSOR  Dixikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300  High Flow LPM  MISCALLANEOUS  Cable Ties 40 pack  2" Wheels  2x4x10 Wood  3/4" MDF 15.5" x 15.5" (Can also use Plywood)  L/4" MDF 6" x 4.5" (Can also use Plywood)  n-line HIPAA Sanitary Air Filter  Heat Shrink or Electrical Tape  Solder or Twist Connectors  SIEVE PVC PARTS  3" Schedule 40 PVC Female Adapter - Socket to FIPT  3" Schedule 40 PVC Male Adapter - MIPT to Socket   | OXI-HMC-HWB  OXI-COM-180  OXI-MIS-CAB  OXI-MIS-WHL  OXI-MIS-WOD  OXI-MIS-PLY  OXI-MIS-PLW  OXI-MIS-AFL  OXI-MIS-ELT  OXI-MIS-SOL   | 1 40 1 1 1 1 1 1 1 1 2                             | Y N Y N N N N N N N N N N N              | 0<br>\$364.64<br>0<br>\$22.99<br>\$17.99<br>\$44.60<br>\$8.53<br>0<br>\$13.25<br>\$38.99  |
| Humidifier Water Bottle COMPRESSOR  Dixikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300 High Flow LPM  MISCALLANEOUS Cable Ties 40 pack 2" Wheels 2x4x10 Wood 3/4" MDF 15.5" x 15.5" (Can also use Plywood) 1./4" MDF 6" x 4.5" (Can also use Plywood) n-line HIPAA Sanitary Air Filter Heat Shrink or Electrical Tape Solder or Twist Connectors SIEVE PVC PARTS 8" Schedule 40 PVC Female Adapter - Socket to FIPT 3" Schedule 40 PVC Male Adapter - MIPT to Socket 3" x 3/4" Sch 40 PVC Reducer Bushing Flush Style - Spigot to FIPT   | OXI-HMC-HWB  OXI-COM-180  OXI-MIS-CAB OXI-MIS-WHL OXI-MIS-WDD OXI-MIS-PLW OXI-MIS-PLW OXI-MIS-AFL OXI-MIS-SOL  OXI-SPP-SFI OXI-SPP-MIS   | 1 40 1 1 1 1 1 1 1 2 2                             | Y N N N N N N N N N N N N N N N N N N N  | 0<br>\$364.64<br>0<br>\$22.99<br>\$17.99<br>\$44.60<br>\$8.53<br>0<br>\$13.25<br>\$38.99<br>\$6.20<br>\$7.68  |
| Humidifier Water Bottle  COMPRESSOR  Dikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300  High Flow LPM  MISCALLANEOUS  Cable Ties 40 pack  2" Wheels  2x4x10 Wood  3/4" MDF 15.5" x 15.5" (Can also use Plywood)  1/4" MDF 6" x 4.5" (Can also use Plywood)  n-line HIPAA Sanitary Air Filter  Heat Shrink or Electrical Tape  Solder or Twist Connectors  SIEVE PVC PARTS  3" Schedule 40 PVC Female Adapter - Socket to FIPT  3" Schedule 40 PVC Male Adapter - MIPT to Socket  3" x 3/4" Sch 40 PVC Reducer Bushing Flush Style - Spigot to FIPT  | OXI-HMC-HWB  OXI-COM-180  OXI-MIS-CAB  OXI-MIS-WHL  OXI-MIS-WOD  OXI-MIS-PLY  OXI-MIS-PLW  OXI-MIS-AFL  OXI-MIS-ELT  OXI-MIS-SOL  OXI-SPP-SFI  OXI-SPP-SFF   | 1 40 1 1 1 1 1 1 1 2 2 6                           | Y N N N N N N N N N N N N N N N N N N N  | 0<br>\$364.64<br>0<br>\$22.99<br>\$17.99<br>\$44.60<br>\$8.53<br>0<br>\$13.25<br>\$38.99<br>\$6.20<br>\$7.68<br>\$15.90<br>\$4.32   |
| Humidifier Water Bottle  COMPRESSOR  Dixikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300  High Flow LPM  MISCALLANEOUS  Cable Ties 40 pack  2" Wheels  2x4x10 Wood  3/4" MDF 15.5" x 15.5" (Can also use Plywood)  1/4" MDF 6" x 4.5" (Can also use Plywood)  n-line HIPAA Sanitary Air Filter  Heat Shrink or Electrical Tape  Solder or Twist Connectors  SIEVE PVC PARTS  3" Schedule 40 PVC Female Adapter - Socket to FIPT  3" Schedule 40 PVC Male Adapter - MIPT to Socket  3" x 3/4" Sch 40 PVC Reducer Bushing Flush Style - Spigot to FIPT  3/4" x 3/8" Sch 40 PVC Reducer (T.T.) Bushing - MIPT to FIPT  3" Sch 40 PVC Coupling - Socket to Socket   | OXI-HMC-HWB  OXI-COM-180  OXI-MIS-CAB OXI-MIS-WHL OXI-MIS-WOD OXI-MIS-PLY OXI-MIS-PLW OXI-MIS-AFL OXI-MIS-SOL  OXI-SPP-SFI OXI-SPP-MIS OXI-SPP-MIF OXI-SPP-STS   | 1 40 1 1 1 1 1 1 1 2 2 6 6 6 6                     | Y N N N N N N N N N N N N N N N N N N N  | 0<br>\$364.64<br>0<br>\$22.99<br>\$17.99<br>\$44.60<br>\$8.53<br>0<br>\$13.25<br>\$38.99<br>\$6.20<br>\$7.68<br>\$15.90<br>\$4.32<br>\$17.28                                |
| Humidifier Water Bottle  COMPRESSOR  Dixikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300 High Flow LPM  MISCALLANEOUS  Cable Ties 40 pack  2" Wheels  2x4x10 Wood  3/4" MDF 15.5" x 15.5" (Can also use Plywood)  L/4" MDF 6" x 4.5" (Can also use Plywood)  n-line HIPAA Sanitary Air Filter  Heat Shrink or Electrical Tape  Solder or Twist Connectors  SIEVE PVC PARTS  3" Schedule 40 PVC Female Adapter - Socket to FIPT  3" Schedule 40 PVC Reducer Bushing Flush Style - Spigot to FIPT  3" 4" x 3/4" Sch 40 PVC Reducer (T.T.) Bushing - MIPT to FIPT  3" Sch 40 PVC Coupling - Socket to Socket  2" x 3/4" Schedule 40 PVC Reducer Bushing - Spigot to FIPT   | OXI-HMC-HWB  OXI-COM-180  OXI-MIS-CAB OXI-MIS-WHL OXI-MIS-WOD OXI-MIS-PLY OXI-MIS-PLW OXI-MIS-AFL OXI-MIS-SOL  OXI-SPP-SFI OXI-SPP-MIS OXI-SPP-MIF   | 1 40 1 1 1 1 1 1 1 2 2 6 6 6 6 2                   | Y N N N N N N N N N N N N N N N N N N N  | 0<br>\$364.64<br>0<br>\$22.99<br>\$17.99<br>\$44.60<br>\$8.53<br>0<br>\$13.25<br>\$38.99<br>\$6.20<br>\$7.68<br>\$15.90<br>\$4.32<br>\$17.28<br>\$3.06                      |
| Humidifier Water Bottle  COMPRESSOR  Dixikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300 High Flow LPM  MISCALLANEOUS  Cable Ties 40 pack  2" Wheels  2x4x10 Wood  3/4" MDF 15.5" x 15.5" (Can also use Plywood)  1/4" MDF 6" x 4.5" (Can also use Plywood)  n-line HIPAA Sanitary Air Filter  Heat Shrink or Electrical Tape  Solder or Twist Connectors  SIEVE PVC PARTS  3" Schedule 40 PVC Female Adapter - Socket to FIPT  3" Schedule 40 PVC Reducer Bushing Flush Style - Spigot to FIPT  3/4" x 3/4" Sch 40 PVC Reducer (T.T.) Bushing - MIPT to FIPT  3" Sch 40 PVC Coupling - Socket to Socket  2" x 3/4" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  2" Sch 40 PVC Coupling - Socket to Socket  2" x 3/4" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  2" X 3/4" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  2" X 3/4" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  2" X 3/4" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  2" X 3/4" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  2" X 3/4" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  2" X 3/4" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  2" X 3/4" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  2" X 3/4" Schedule 40 PVC Reducer Bushing - Spigot to FIPT   | OXI-HMC-HWB  OXI-COM-180  OXI-MIS-CAB OXI-MIS-WHL OXI-MIS-WOD OXI-MIS-PLY OXI-MIS-PLW OXI-MIS-AFL OXI-MIS-SOL  OXI-SPP-SFI OXI-SPP-MIS OXI-SPP-MIF OXI-SPP-STS   | 1 40 1 1 1 1 1 1 1 2 2 6 6 6 2 4                   | Y N N N N N N N N N N N N N N N N N N N  | 0<br>\$364.64<br>0<br>\$22.99<br>\$17.99<br>\$44.60<br>\$8.53<br>0<br>\$13.25<br>\$38.99<br>\$6.20<br>\$7.68<br>\$15.90<br>\$4.32<br>\$17.28<br>\$3.06<br>\$10.88           |
| Humidifier Water Bottle  COMPRESSOR  Dixikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300 High Flow LPM  MISCALLANEOUS  Cable Ties 40 pack  Wheels  Extantial Wood  B/4" MDF 15.5" x 15.5" (Can also use Plywood)  L/4" MDF 6" x 4.5" (Can also use Plywood)  In-line HIPAA Sanitary Air Filter  Heat Shrink or Electrical Tape  Solder or Twist Connectors  SIEVE PVC PARTS  B" Schedule 40 PVC Female Adapter - Socket to FIPT  B" Schedule 40 PVC Reducer Bushing Flush Style - Spigot to FIPT  B/4" x 3/8" Sch 40 PVC Reducer (T.T.) Bushing - MIPT to FIPT  B" Sch 40 PVC Coupling - Socket to Socket  E" x 3/4" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  BY Schedule 40 PVC Reducer Bushing - Spigot to FIPT  BY Schedule 40 PVC Reducer Bushing - Spigot to FIPT  BY Schedule 40 PVC Reducer Bushing - Spigot to FIPT  BY Schedule 40 PVC Reducer Bushing - Spigot to FIPT  BY Schedule 40 PVC Reducer Bushing - Spigot to FIPT  BY Schedule 40 PVC Reducer Bushing - Spigot to FIPT  BY Schedule 40 PVC Reducer Bushing - Spigot to FIPT  BY Schedule 40 PVC Reducer Bushing - Spigot to FIPT  BY Schedule 40 PVC Pipe (9")   | OXI-HMC-HWB  OXI-COM-180  OXI-MIS-CAB OXI-MIS-WHL OXI-MIS-WOD OXI-MIS-PLY OXI-MIS-PLW OXI-MIS-AFL OXI-MIS-SOL  OXI-SPP-SFI OXI-SPP-MIS OXI-SPP-MIF OXI-SPP-STS   | 1 40 1 1 1 1 1 1 1 1 2 2 6 6 6 6 2 4 2             | Y N N N N N N N N N N N N N N N N N N N  | 0<br>\$364.64<br>0<br>\$22.99<br>\$17.99<br>\$44.60<br>\$8.53<br>0<br>\$13.25<br>\$38.99<br>\$6.20<br>\$7.68<br>\$15.90<br>\$4.32<br>\$17.28<br>\$3.06<br>\$10.88<br>0      |
| Humidifier Water Bottle  COMPRESSOR  Dixikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300 High Flow LPM  MISCALLANEOUS  Cable Ties 40 pack  2" Wheels  2x4x10 Wood  3/4" MDF 15.5" x 15.5" (Can also use Plywood)  L/4" MDF 6" x 4.5" (Can also use Plywood)  n-line HIPAA Sanitary Air Filter  Heat Shrink or Electrical Tape  Solder or Twist Connectors  SIEVE PVC PARTS  3" Schedule 40 PVC Female Adapter - Socket to FIPT  3" Schedule 40 PVC Reducer Bushing Flush Style - Spigot to FIPT  3" Sch 40 PVC Coupling - Socket to Socket  2" x 3/4" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  2" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  3" Sch 40 PVC Coupling - Socket to Socket  2" x 3/4" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  2" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  2" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  2" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  2" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  2" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  2" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  2" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  2" Schedule 40 PVC Pipe ( 9")  3" Diameter PVC Pipe ( 18")   | OXI-HMC-HWB  OXI-COM-180  OXI-MIS-CAB OXI-MIS-WHL OXI-MIS-WOD OXI-MIS-PLY OXI-MIS-PLW OXI-MIS-AFL OXI-MIS-SOL  OXI-SPP-SFI OXI-SPP-MIS OXI-SPP-MIF OXI-SPP-STS   | 1 40 1 1 1 1 1 1 1 2 2 6 6 6 2 4                   | Y N N N N N N N N N N N N N N N N N N N  | 0<br>\$364.64<br>0<br>\$22.99<br>\$17.99<br>\$44.60<br>\$8.53<br>0<br>\$13.25<br>\$38.99<br>\$6.20<br>\$7.68<br>\$15.90<br>\$4.32<br>\$17.28<br>\$3.06<br>\$10.88           |
| Humidifier Water Bottle  COMPRESSOR  Dixikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300 High Flow LPM  MISCALLANEOUS  Cable Ties 40 pack  2" Wheels  2x4x10 Wood  8/4" MDF 15.5" x 15.5" (Can also use Plywood)  L/4" MDF 6" x 4.5" (Can also use Plywood)  n-line HIPAA Sanitary Air Filter  Heat Shrink or Electrical Tape  Solder or Twist Connectors  SIEVE PVC PARTS  3" Schedule 40 PVC Female Adapter - Socket to FIPT  3" Schedule 40 PVC Reducer Bushing Flush Style - Spigot to FIPT  3" Schedule 40 PVC Reducer (T.T.) Bushing - MIPT to FIPT  3" Sch 40 PVC Coupling - Socket to Socket  2" x 3/4" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  PVC 3 in. Round Snap-In Floor Drain  3" Diameter PVC Pipe ( 18")  SIEVE INTERNAL PARTS  | OXI-HMC-HWB  OXI-COM-180  OXI-MIS-CAB OXI-MIS-WHL OXI-MIS-WOD OXI-MIS-PLY OXI-MIS-PLW OXI-MIS-AFL OXI-MIS-SOL  OXI-SPP-SFI OXI-SPP-MIS OXI-SPP-MIF OXI-SPP-RBU   | 1 40 1 1 1 1 1 1 1 1 2 2 6 6 6 6 2 4 2 2           | Y N N N N N N N N N N N N N N N N N N N  | \$364.64<br>0<br>\$22.99<br>\$17.99<br>\$44.60<br>\$8.53<br>0<br>\$13.25<br>\$38.99<br>\$6.20<br>\$7.68<br>\$15.90<br>\$4.32<br>\$17.28<br>\$3.06<br>\$10.88<br>0           |
| Humidifier Water Bottle  COMPRESSOR  Dixikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300 High Flow LPM  MISCALLANEOUS  Cable Ties 40 pack  2" Wheels  2x4x10 Wood  8/4" MDF 15.5" x 15.5" (Can also use Plywood)  L/4" MDF 6" x 4.5" (Can also use Plywood)  n-line HIPAA Sanitary Air Filter  Heat Shrink or Electrical Tape  Solder or Twist Connectors  SIEVE PVC PARTS  3" Schedule 40 PVC Female Adapter - Socket to FIPT  3" Schedule 40 PVC Reducer Bushing Flush Style - Spigot to FIPT  3" Schedule 40 PVC Reducer (T.T.) Bushing - MIPT to FIPT  3" Sch 40 PVC Coupling - Socket to Socket  2" x 3/4" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  PVC 3 in. Round Snap-In Floor Drain  3" Diameter PVC Pipe ( 18")  SIEVE INTERNAL PARTS  | OXI-HMC-HWB  OXI-COM-180  OXI-MIS-CAB OXI-MIS-WHL OXI-MIS-WOD OXI-MIS-PLY OXI-MIS-PLW OXI-MIS-AFL OXI-MIS-SOL  OXI-SPP-SFI OXI-SPP-MIS OXI-SPP-MIF OXI-SPP-STS   | 1 40 1 1 1 1 1 1 1 1 2 2 6 6 6 6 2 4 2             | Y N N N N N N N N N N N N N N N N N N N  | 0<br>\$364.64<br>0<br>\$22.99<br>\$17.99<br>\$44.60<br>\$8.53<br>0<br>\$13.25<br>\$38.99<br>\$6.20<br>\$7.68<br>\$15.90<br>\$4.32<br>\$17.28<br>\$3.06<br>\$10.88<br>0      |
| Humidifier Water Bottle  COMPRESSOR  Dixikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300 High Flow LPM  MISCALLANEOUS Cable Ties 40 pack  Diximit 2.4HD Free Air Compressor Motor - Oil Free - Ultra Quiet - 300 High Flow LPM  MISCALLANEOUS Cable Ties 40 pack  Diximit 3   | OXI-HMC-HWB  OXI-COM-180  OXI-MIS-CAB OXI-MIS-WHL OXI-MIS-WOD OXI-MIS-PLY OXI-MIS-PLW OXI-MIS-AFL OXI-MIS-SOL  OXI-SPP-SFI OXI-SPP-MIS OXI-SPP-MIF OXI-SPP-RBU   | 1 40 1 1 1 1 1 1 1 1 2 2 6 6 6 6 2 4 2 2           | Y N N N N N N N N N N N N N N N N N N N  | \$364.64<br>0<br>\$22.99<br>\$17.99<br>\$44.60<br>\$8.53<br>0<br>\$13.25<br>\$38.99<br>\$6.20<br>\$7.68<br>\$15.90<br>\$4.32<br>\$17.28<br>\$3.06<br>\$10.88<br>0           |
| Humidifier Water Bottle  COMPRESSOR  Dxikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300 High Flow LPM  MISCALLANEOUS  Cable Ties 40 pack  2" Wheels  2x4x10 Wood  3/4" MDF 15.5" x 15.5" (Can also use Plywood)  L/4" MDF 6" x 4.5" (Can also use Plywood)  n-line HIPAA Sanitary Air Filter  Heat Shrink or Electrical Tape  Solder or Twist Connectors  SIEVE PVC PARTS  3" Schedule 40 PVC Female Adapter - Socket to FIPT  3" Schedule 40 PVC Male Adapter - MIPT to Socket  3" x 3/4" Sch 40 PVC Reducer Bushing Flush Style - Spigot to FIPT  3/4" x 3/8" Sch 40 PVC Reducer (T.T.) Bushing - MIPT to FIPT  3" Sch 40 PVC Coupling - Socket to Socket  2" x 3/4" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  2" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  3" Sch 40 PVC Coupling - Socket to Socket  2" x 3/4" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  2" Schedule 40 PVC Pipe (9")  3" Diameter PVC Pipe (18")  SIEVE INTERNAL PARTS  2" Diameter x 3" Tall - Compression Springs - 50 lb per inch tension  304 Stainless Steel Woven 100 Mesh 0.18mm Hole Disk 75mm   | OXI-HMC-HWB  OXI-COM-180  OXI-MIS-CAB OXI-MIS-WHL OXI-MIS-WOD OXI-MIS-PLY OXI-MIS-PLW OXI-MIS-AFL OXI-MIS-SOL  OXI-SPP-SFI OXI-SPP-MIS OXI-SPP-MIF OXI-SPP-RBU  OXI-SPP-RBU  | 1 40 1 1 1 1 1 1 1 1 2 2 6 6 6 2 4 2 2             | Y  N  Y  N  N  N  N  N  N  N  N  N  N  N | \$364.64<br>0<br>\$22.99<br>\$17.99<br>\$44.60<br>\$8.53<br>0<br>\$13.25<br>\$38.99<br>\$6.20<br>\$7.68<br>\$15.90<br>\$4.32<br>\$17.28<br>\$3.06<br>\$10.88<br>0           |
| Humidifier Water Bottle  COMPRESSOR  Dxikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300 High Flow LPM  MISCALLANEOUS  Cable Ties 40 pack  2" Wheels  Dx4x10 Wood  B/4" MDF 15.5" x 15.5" (Can also use Plywood)  L/4" MDF 6" x 4.5" (Can also use Plywood)  In-line HIPAA Sanitary Air Filter  Heat Shrink or Electrical Tape  Solder or Twist Connectors  SIEVE PVC PARTS  B" Schedule 40 PVC Female Adapter - Socket to FIPT  B" Schedule 40 PVC Male Adapter - MIPT to Socket  B" x 3/4" Sch 40 PVC Reducer Bushing Flush Style - Spigot to FIPT  B/4" x 3/8" Sch 40 PVC Reducer (T.T.) Bushing - MIPT to FIPT  B" Sch 40 PVC Coupling - Socket to Socket  D" x 3/4" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  PVC 3 in. Round Snap-In Floor Drain  B" Diameter PVC Pipe (9")  B" Diameter PVC Pipe (18")  SIEVE INTERNAL PARTS  D" Diameter x 3" Tall - Compression Springs - 50 lb per inch tension  BO4 Stainless Steel Woven 100 Mesh 0.18mm Hole Disk 75mm  BO4 Stainless Steel Woven 100 Mesh 0.18mm Hole Disk 71mm  | OXI-HMC-HWB  OXI-COM-180  OXI-MIS-CAB OXI-MIS-WHL OXI-MIS-WOD OXI-MIS-PLW OXI-MIS-PLW OXI-MIS-AFL OXI-MIS-SOL  OXI-SPP-SFI OXI-SPP-MIS OXI-SPP-MIF OXI-SPP-RBU  OXI-SPP-RBU  | 1 40 1 1 1 1 1 1 1 1 2 2 6 6 6 2 4 2 2 2           | Y  N  N  N  N  N  N  N  N  N  N  N  N  N | \$364.64<br>0<br>\$22.99<br>\$17.99<br>\$44.60<br>\$8.53<br>0<br>\$13.25<br>\$38.99<br>\$6.20<br>\$7.68<br>\$15.90<br>\$4.32<br>\$17.28<br>\$3.06<br>\$10.88<br>0<br>0      |
| Humidifier Water Bottle  COMPRESSOR  Dikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300 High Flow LPM  MISCALLANEOUS  Cable Ties 40 pack  2" Wheels  2x4x10 Wood  3/4" MDF 15.5" x 15.5" (Can also use Plywood)  1/4" MDF 6" x 4.5" (Can also use Plywood)  1/4" MDF 6" x | OXI-HMC-HWB  OXI-COM-180  OXI-MIS-CAB OXI-MIS-WHL OXI-MIS-WOD OXI-MIS-PLY OXI-MIS-PLW OXI-MIS-FLT OXI-MIS-SOL  OXI-SPP-SFI OXI-SPP-MIS OXI-SPP-MIF OXI-SPP-RBU  OXI-SIP-RBU  | 1 40 1 1 1 1 1 1 1 1 1 2 2 6 6 6 2 4 2 2 2 2       | Y N N N N N N N N N N N N N N Y Y Y Y Y  | 0<br>\$364.64<br>0<br>\$22.99<br>\$17.99<br>\$44.60<br>\$8.53<br>0<br>\$13.25<br>\$38.99<br>\$6.20<br>\$7.68<br>\$15.90<br>\$4.32<br>\$17.28<br>\$3.06<br>\$10.88<br>0<br>0 |
| Humidifier Water Bottle  COMPRESSOR  Dixikit 2,4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300 High Flow LPM  MISCALLANEOUS  Cable Ties 40 pack  2" Wheels  2x4x10 Wood  3/4" MDF 15.5" x 15.5" (Can also use Plywood)  1/4" MDF 6" x 4.5" (Can also use Plywood)  1/4" MDF 6" x 4.5" (Can also use Plywood)  In-line HIPAA Sanitary Air Filter  Heat Shrink or Electrical Tape  Solder or Twist Connectors  SIEVE PVC PARTS  3" Schedule 40 PVC Female Adapter - Socket to FIPT  3" Schedule 40 PVC Male Adapter - MIPT to Socket  3" x 3/4" Sch 40 PVC Reducer Bushing Flush Style - Spigot to FIPT  38-4" x 3/8" Sch 40 PVC Reducer (T.T.) Bushing - MIPT to FIPT  38-4" x 3/8" Sch 40 PVC Reducer Bushing - Spigot to FIPT  2" x 3/4" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  PVC 3 in. Round Snap-In Floor Drain  3" Diameter PVC Pipe (9")  3" Diameter PVC Pipe (18")  SIEVE INTERNAL PARTS  2" Diameter x 3" Tall - Compression Springs - 50 lb per inch tension  304 Stainless Steel Woven 100 Mesh 0.18mm Hole Disk 75mm  304 Stainless Steel Woven 100 Mesh 0.18mm Hole Disk 75mm  Non-woven Filter Material - Vent Register Filter 4" X 12"  Gorilla PVC Cement 8 oz. R1584C Medium Body PrimaGlue, One-Step  | OXI-HMC-HWB  OXI-COM-180  OXI-MIS-CAB OXI-MIS-WHL OXI-MIS-WOD OXI-MIS-PLY OXI-MIS-PLW OXI-MIS-AFL OXI-MIS-SOL  OXI-SPP-SFI OXI-SPP-MIS OXI-SPP-SFF OXI-SPP-RBU  OXI-SPP-RBU  OXI-SIP-SPR OXI-SIP-MSF OXI-SIP-MSF OXI-SIP-MSC OXI-SIP-VRF OXI-SIP-CEM | 1 40 1 1 1 1 1 1 1 1 1 2 2 6 6 6 6 2 4 2 2 2 2 1 1 | Y  N  N  N  N  N  N  N  N  N  N  N  N  N | 0<br>\$364.64<br>0<br>\$22.99<br>\$17.99<br>\$44.60<br>\$8.53<br>0<br>\$13.25<br>\$38.99<br>\$6.20<br>\$7.68<br>\$15.90<br>\$4.32<br>\$17.28<br>\$3.06<br>\$10.88<br>0<br>0 |
| Humidifier Water Bottle  COMPRESSOR  Oxikit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300 High Flow LPM  MISCALLANEOUS  Cable Ties 40 pack  2" Wheels  Oximit 2.4HP Free Air Compressor Motor - Oil Free - Ultra Quiet - 300 High Flow LPM  MISCALLANEOUS  Cable Ties 40 pack  2" Wheels  Oximit All MDF 15.5" x 15.5" (Can also use Plywood)  1/4" MDF 6" x 4.5" (Can also use Plywood)  1/4" MDF 6" x 4.5" (Can also use Plywood)  1/4" MDF 6" x 4.5" (Can also use Plywood)  1/4" MDF 6" x 4.5" (Can also use Plywood)  1/4" Sheat Shrink or Electrical Tape  Solder or Twist Connectors  SIEVE PVC PARTS  3" Schedule 40 PVC Female Adapter - Socket to FIPT  3" Schedule 40 PVC Male Adapter - MIPT to Socket  3" x 3/4" Sch 40 PVC Reducer Bushing Flush Style - Spigot to FIPT  3/4" x 3/8" Sch 40 PVC Reducer (T.T.) Bushing - MIPT to FIPT  3" Sch 40 PVC Coupling - Socket to Socket  2" x 3/4" Schedule 40 PVC Reducer Bushing - Spigot to FIPT  PVC 3 in. Round Snap-In Floor Drain  3" Diameter PVC Pipe (9")  3" Diameter PVC Pipe (18")  SIEVE INTERNAL PARTS  2" Diameter x 3" Tall - Compression Springs - 50 lb per inch tension  304 Stainless Steel Woven 100 Mesh 0.18mm Hole Disk 75mm  304 Stainless Steel Woven 100 Mesh 0.18mm Hole Disk 71mm  | OXI-HMC-HWB  OXI-COM-180  OXI-MIS-CAB OXI-MIS-WHL OXI-MIS-WDD OXI-MIS-PLW OXI-MIS-PLW OXI-MIS-AFL OXI-MIS-SOL  OXI-SPP-SFI OXI-SPP-MIS OXI-SPP-MIF OXI-SPP-RBU  OXI-SPP-RBU  OXI-SIP-FR OXI-SIP-MSF OXI-SIP-MSF OXI-SIP-MSF OXI-SIP-MSF              | 1 40 1 1 1 1 1 1 1 1 2 2 6 6 6 2 4 2 2 2 1         | Y  N  N  N  N  N  N  N  N  N  N  N  N  N | 0<br>\$364.64<br>0<br>\$22.99<br>\$17.99<br>\$44.60<br>\$8.53<br>0<br>\$13.25<br>\$38.99<br>\$6.20<br>\$7.68<br>\$15.90<br>\$4.32<br>\$17.28<br>\$3.06<br>\$10.88<br>0<br>0 |

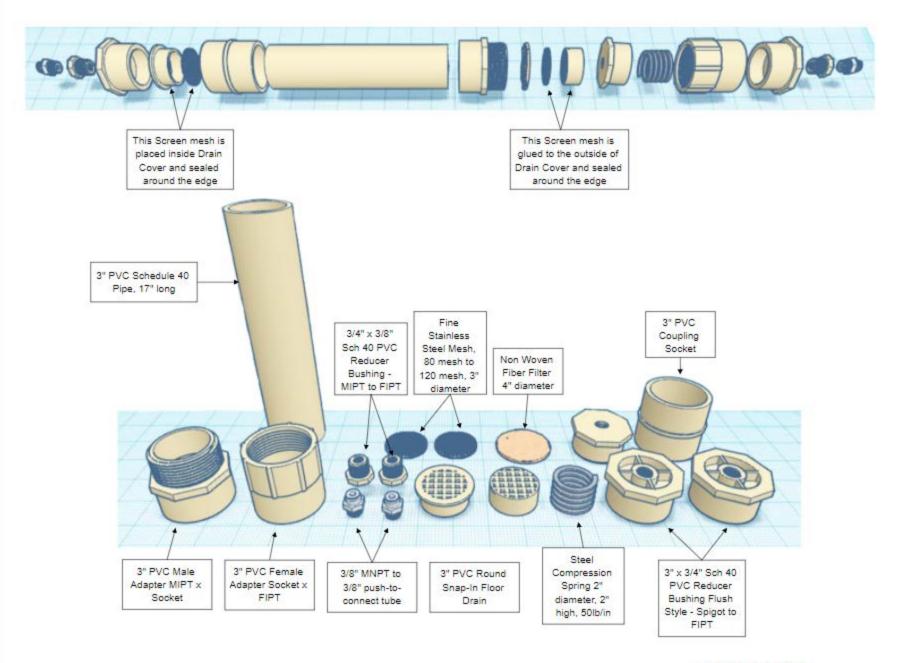
## Oxygen Concentrator Circuit Diagram Ver. 4A

(3 port / 2 way valves and Orifices)



## Oxygen Concentrator Sieve Assembly - with labels

(Important: PVC parts should be schedule 40 - not DWV)



| FLOW CHART   | PROCESS   | MATERIAL  | MISCELLANEOUS TOOLS/MATERIALS   |
|--|---|---|---------------------------------|
| Start  | Start   | -   | -                               |
| Insert the Mesh into the PVC Round Snap-in Floor Drain | 1) Insert the Fine Stainless Steel Mesh into the PVC<br>Round Snap-in Floor Drain                   | - Fine Stainless Steel Mesh(80<br>mesh to 120 mesh<br>- 3" diameter) into the 3" PVC<br>Round Snap-in Floor | -                               |
| Glue the items together                                | 2) Place a little dab of super glue (every half inch) on the sides of the Fine Stainless Steel Mesh | - Fine Stainless Steel Mesh(80 mesh to 120 mesh - 3" diameter) into the 3" PVC Round Snap-in Floor          | - Super Glue                    |
| Inspect<br>the<br>product                              | 3) Inspect if Mesh is securely placed inside the PVC Round in Floor Drain                           | - Fine Stainless Steel Mesh(80 mesh to 120 mesh - 3" diameter) into the 3" PVC Round Snap-in Floor          | -                               |
| Smooth the edges of the PVC Pipe                       | 4) Smooth the edges (outside portion) of the PVC Schedule   | - PVC Schedule 40 pipe,<br>17"  | - Diburring Tool/cutter/ sander |
| Inspect<br>the<br>product                              | 5) Inspect the product if the PVC Schedule fits smoothly with the PVC Coupling                      | - 3" PVC Coupling socket<br>- 3" PVC Schedule 40<br>Pipe, 17" long  | -                               |
| A  |   |   |                                 |

| FLOW CHART   | PROCESS   | MATERIAL  | MISCELLANEOUS TOOLS/MATERIALS |
|--|---|---|-------------------------------|
| A  |   |   |                               |
| Put glue on the PVC the schedule and the PVC coupling socket                 | 6) Put glue on the PVC Coupling socket and the PVC Schedule. Put a large amount of glue on the outside of the Male end around 2" (PVC Schedule) and less on the inside of the female end (PVC Coupling Socket). | - 3" PVC Coupling socket<br>into the<br>- 3" PVC Schedule 40 Pipe,<br>17" long                              | - Super Glue                  |
| Place the PVC Coupling Socket on top of the PVC Schedule                     | 7) Place the PVC Coupling socket on top of the PVC Schedule. Put a little bit of pressure to connect the parts.   | - 3" PVC Coupling socket<br>into the<br>- 3" PVC Schedule 40 Pipe,<br>17" long                              | -                             |
| Clean and wipe excess glue   | 8) Wipe any excess glue on the PVC  | - 3" PVC Coupling socket<br>into the<br>- 3" PVC Schedule 40 Pipe,<br>17" long                              | Tissue/Towel                  |
| Inspect<br>the<br>product  | 9) Inspect the product if PVCs are securely connected and if there are any excess glue inside the PVC   | - 3" PVC Coupling socket<br>into the<br>- 3" PVC Schedule 40 Pipe,<br>17" long                              | -                             |
| Dry  | 10) Let it dry for a few minutes  | - 3" PVC Coupling socket<br>into the<br>- 3" PVC Schedule 40 Pipe,<br>17" long                              | -                             |
| Place the PVC Round Snap-in<br>Floor Drain inside the PVC<br>Coupling socket | 11) Place the PVC Round Snap-in Floor Drain (with mesh from step 1) inside the PVC Coupling socket until it bottoms out.  | - Fine Stainless Steel Mesh(80<br>mesh to 120 mesh<br>- 3" diameter) into the 3" PVC<br>Round Snap-in Floor | -                             |
| В  |   |   |                               |

| FLOW CHART  | PROCESS   | MATERIAL   | MISCELLANEOUS TOOLS/MATERIALS |
|---|---|--|-------------------------------|
| В   |   |  |                               |
| Put glue on the PVC Reducer Busing and the PVC coupling socket  | 12) Put glue on the Reducer Busing, and the PVC Coupling socket (with the PVC round Snap in Floor - mesh inside). Put a large amount of glue on the outside portion of the Male end (Reducer Bushing) and less on the inside of the female end (PVC Coupling Socket). | - 3"x3/4" PVC<br>ReducerBusing, Flush Style-<br>Spig. X FIPT<br>- 3" PVC Coupling socket | - Super Glue                  |
| Place the PVC Reducer Bushing on top of the PVC Coupling Socket | 13) Place the PVC Reducer Bushing on top of the PVC Coupling Socket. Put a little bit of pressure to connect the parts.   | - 3"x3/4" PVC<br>ReducerBusing, Flush Style-<br>Spig. X FIPT<br>- 3" PVC Coupling socket | -                             |
| Clean and wipe excess glue                                      | 14) Wipe any excess glue on the PVC   | - 3"x3/4" PVC<br>ReducerBusing, Flush Style-<br>Spig. X FIPT<br>- 3" PVC Coupling socket | Tissue/Towel                  |
| Inspect<br>the<br>product                                       | 15) Inspect the product if PVCs are securely connected and if there are any excess glue inside the PVC  | - 3"x3/4" PVC<br>ReducerBusing, Flush Style-<br>Spig. X FIPT<br>- 3" PVC Coupling socket | -                             |
| Dry   | 16) Let it dry overnight  | - 3"x3/4" PVC<br>ReducerBusing, Flush Style-<br>Spig. X FIPT<br>- 3" PVC Coupling socket | -                             |
| Wash the PVC Pipe   | 17) Wash the inside portion of the PVC  | - 3"x3/4" PVC<br>ReducerBusing, Flush Style-<br>Spig. X FIPT<br>- 3" PVC Coupling socket | Tissue/Towel                  |
| С   |   |  |                               |

| PROCESS   | MATERIAL  | MISCELLANEOUS TOOLS/MATERIALS  |
|---|---|--|
|   |   |  |
| 18) Let it dry for a few minutes  | - 3"x3/4" PVC<br>ReducerBusing, Flush Style-<br>Spig. X FIPT<br>- 3" PVC Coupling socket  | -  |
| 19) Smooth the edges (outside portion) of the other end of the PVC Schedule   | - PVC Schedule 40 pipe, 17"   | - Diburring Tool/cutter/ sander  |
| 20) Glue the PVC Male adaptor Socket into the other open side of the PVC Schedule. Put a large amount of glue on the outside portion of the Male end around 2" (PVC Schedule) and less on the inside of the female end (PVC Male adaptor socket). | - 3" PVC Male adaptor<br>MIPT X Socket<br>- 3" PVC Schedule 40 Pipe,<br>17" long.   | - Super Glue   |
| 21) Place the PVC Male adaptor Socket on top of the PVC Schedule. Put a little bit of pressure to connect the parts.  | - 3" PVC Male adaptor<br>MIPT X Socket<br>- 3" PVC Schedule 40 Pipe,<br>17" long.   | -  |
| 22) Wipe any excess glue on the PVC   | - 3" PVC Male adaptor<br>MIPT X Socket<br>- 3" PVC Schedule 40 Pipe,<br>17" long.   | Tissue/Towel   |
| 23) Inspect the product if PVCs are securely connected and if there are any excess glue inside the PVC  | - 3" PVC Male adaptor<br>MIPT X Socket<br>- 3" PVC Schedule 40 Pipe,<br>17" long.   | -  |
|   | 19) Smooth the edges (outside portion) of the other end of the PVC Schedule  20) Glue the PVC Male adaptor Socket into the other open side of the PVC Schedule. Put a large amount of glue on the outside portion of the Male end around 2" (PVC Schedule) and less on the inside of the female end (PVC Male adaptor socket).  21) Place the PVC Male adaptor Socket on top of the PVC Schedule. Put a little bit of pressure to connect the parts.  22) Wipe any excess glue on the PVC  23) Inspect the product if PVCs are securely connected and if there are any excess glue inside | 18) Let it dry for a few minutes  ReducerBusing, Flush Style-Spig. X FIPT - 3" PVC Coupling socket  19) Smooth the edges (outside portion) of the other end of the PVC Schedule  20) Glue the PVC Male adaptor Socket into the other open side of the PVC Schedule. Put a large amount of glue on the outside portion of the Male end around 2" (PVC Schedule) and less on the inside of the female end (PVC Male adaptor socket).  21) Place the PVC Male adaptor Socket on top of the PVC Schedule. Put a little bit of pressure to connect the parts.  21) Wipe any excess glue on the PVC  22) Wipe any excess glue on the PVC  23) Inspect the product if PVCs are securely connected and if there are any excess glue inside the PVC Schedule 40 Pipe, 17" long.  3" PVC Male adaptor MIPT X Socket - 3" PVC Schedule 40 Pipe, 17" long.  - 3" PVC Male adaptor MIPT X Socket - 3" PVC Schedule 40 Pipe, 17" long. |

| FLOW CHART   | PROCESS  | MATERIAL  | MISCELLANEOUS TOOLS/MATERIALS |
|--|--|---|-------------------------------|
| D  |  |   |                               |
| Dry  | 24) Let it dry overnight   | - 3" PVC Male adaptor<br>MIPT X Socket<br>- 3" PVC Schedule 40<br>Pipe, 17" long.                   | -                             |
| Put glue on the PVC Reducer<br>Bushing and the PVC female<br>adaptor socket. | 25) Glue the PVC Reducer Bushing into the other open side of the PVC Female adaptor socket . Put a large amount of glue on the outside portion of the Male end around 2" (PVC Reducer Bushing) and less on the inside of the female end (PVC female adaptor socket). | - 3"x3/4" Reducer Bushing,<br>Flush Style-Spig. X FIPT<br>- 3" PVC Female adaptor<br>Socket X FIPT. | - Super Glue                  |
| Place the PVC Reducer<br>Bushing on top of the PVC<br>female adaptor socket  | 26) Place the PVC Reducer Bushing on top of the PVC female adaptor socket. Put a little bit of pressure to connect the parts.  | - 3"x3/4" Reducer Bushing,<br>Flush Style-Spig. X FIPT<br>- 3" PVC Female adaptor<br>Socket X FIPT. | -                             |
| Clean and wipe excess glue   | 27) Wipe any excess glue on the PVC  | - 3"x3/4" Reducer Bushing,<br>Flush Style-Spig. X FIPT<br>- 3" PVC Female adaptor<br>Socket X FIPT. | Tissue/Towel                  |
| Inspect<br>the<br>product  | 28) Inspect the product if PVCs are securely connected and if there are any excess glue inside the PVC   | - 3"x3/4" Reducer Bushing,<br>Flush Style-Spig. X FIPT<br>- 3" PVC Female adaptor<br>Socket X FIPT. | -                             |
| Dry  | 29) Let it dry overnight   | - 3"x3/4" Reducer Bushing,<br>Flush Style-Spig. X FIPT<br>- 3" PVC Female adaptor<br>Socket X FIPT. | -                             |

| FLOW CHART   | PROCESS   | MATERIAL   | MISCELLANEOUS TOOLS/MATERIALS |
|--|---|--|-------------------------------|
| E  |   |  |                               |
| Place Zeolite inside<br>the PVC assembly                             | 30) Place a considerable amount of Zeolite inside the PVC Pipe, approximately 26mm from the top of the PVC Male adaptor. Please see computation sheet for the computation of the height of the Zeolite. | - Zeolite<br>- PVC Assembly from step<br>1 to 29   | -Funnel<br>-Caliper           |
| Vibrate the Zeolite  | 31)Ensure to vibrate the bottom side and a little on the top of the PVC assembly  | - Zeolite<br>- PVC Assembly  | - air hammer with 50 PSI      |
| Place the Fiber Filter on top of the Zeolite                         | 32) Place the Non Woven Fiber Filter on top of the Zeolite  | - Non Woven Fiber Filter<br>4" Diamter<br>- Zeolite<br>- PVC Assembly  | -                             |
| Place PVC round snap in<br>floor Drain on top of the<br>Fiber Filter | 33) Place the PVC round snap in floor Drain (with mesh outside) on top of the non woven Fiber Filter.   | - 3" PVC round snap in floor Drain with<br>Lip trimmed<br>- Non Woven Fiber Filter 4" D<br>- Zeolite<br>- PVC Assembly | -                             |
| Push the PVC to compress the Zeolite                                 | 34) Push the PVC round snap in floor Drain to compress the Zeolite  | - 3" PVC round snap in floor Drain with<br>Lip trimmed<br>- Non Woven Fiber Filter 4" D<br>- Zeolite<br>- PVC Assembly | -                             |
| Place the spring on top of the PVC round snap                        | 35) Place the spring on top of the PVC round snap in floor Drain  | - 3" PVC round snap in floor<br>Drain with Lip trimmed and<br>sanded with mesh<br>- Spring                             | -                             |
| F  |   |  |                               |

| FLOW CHART  | PROCESS   | MATERIAL   | MISCELLANEOUS TOOLS/MATERIALS |
|---|---|--|-------------------------------|
| F   |   |  |                               |
| Place the cut PVC Round in Floor drain on top of the spacer                   | 36) Place the the cut portion of the PVC Round Snap in Floor Drain with lip on top of the Spigot threaded MPT PVC(spacer) | in Floor Drain with lip - 3" 3/4" x 2" spigot threaded MPT PVC(spacer)   | -                             |
| Place the cut PVC Round in<br>Floor drain with spacer on top<br>of the srping | 37) Place PVC Round Snap in Floor Drain with lipand theSspigot threaded MPT PVC(spacer) assembly on top of the Spring     | - 14 1/2 mm PVC Round Snap<br>in Floor Drain with lip<br>- 3" 3/4" x 2" spigot threaded<br>MPT PVC(spacer)<br>- spring | -                             |
| Put glue on the Male<br>Thread and Female Thread                              | 38) Put Sealant on the entire Male Thread and lighter on the Female thread  | - 3" PVC Male adaptor MIPT X<br>Socket<br>- 3" PVC Female adaptor MIPT<br>X Socket                                     | - Sealant                     |
| Place the Female adaptor<br>on top of the Male<br>Adaptor.                    | 39) Place the Female adaptor on top of the Male Adaptor.  | - 3" PVC Male adaptor MIPT X<br>Socket<br>- 3" PVC Female adaptor MIPT<br>X Socket                                     | -                             |
| Tighten the canister  | 40) Ensure to tightly seal the canister   | - 3" PVC Male adaptor MIPT X<br>Socket<br>- 3" PVC Female adaptor MIPT<br>X Socket                                     | - Belt wrench                 |
| Check the gap of the Male and female thread                                   | 41) Measure the gap of Male and female thread. Acceptable Gap is 7mm  | - 3" PVC Male adaptor MIPT X<br>Socket<br>- 3" PVC Female adaptor MIPT<br>X Socket                                     | - Caliper                     |
| G   |   |  |                               |

| FLOW CHART         | PROCESS                                  | MATERIAL   | MISCELLANEOUS TOOLS/MATERIALS |
|--------------------|--|--|-------------------------------|
| G                  |  |  |                               |
| Screw the canister | 42) Seal the top portion of the Canister | - Canister<br>- 3/8 MNPT to 3/8" push<br>to Connect tube | -                             |
| Dry                | 43) Let it Dry overnight                 | - Canister   | -                             |
| End                | End                                      | -  | -                             |