All Container Parts

Item (# of parts) (Grainger Part Number)

* PVC Female Adaptor (1) (1WJY4)
* Epoxy
* 3” Round Atrium Grate (1) (Home Depot)
* ABS Male Adaptor (1) (1WJD3)
* 1.5” by 1.5” steel plate (1) (We have steel)
* 14” long 2” diameter PVC Pipe (1) (788VR8 for 10ft white, 1AAZ8 for 8ft clear)
* ½” long ¼” diameter nut and bolt (2) (we have)
* 2” diameter O-ring (2) (2KAE2 is a 25 pack)
* Battery and PCB board tray 3D print (1)
* Steel plate holder 3D print (1)
* Buoy 3D Print (1)
* Spray Foam door and window
* PVC Glue (We have)

All Electronics

* Analog to digital converting PCB board (3)
* PCB board (1)
* Arduino Mini (1)
* JST XH 3 prong snap-in female wire connector (3)
* Dupont 3 prong female wire connector (3)
* [pH sensor (1)](https://www.amazon.com/Atlas-Scientific-Consumer-Grade-Probe/dp/B07VDMNB92?pd_rd_w=OdKK8&content-id=amzn1.sym.7d8251a9-42fe-402a-a341-0f37d967c460&pf_rd_p=7d8251a9-42fe-402a-a341-0f37d967c460&pf_rd_r=5QZYHXHFPA23MV9M33YS&pd_rd_wg=Bt2T8&pd_rd_r=6e5ebe47-0329-4a39-a653-b2aa74b2a960&pd_rd_i=B07VDMNB92&psc=1&ref_=pd_bap_d_grid_rp_0_30_i)
* [Temperature sensor (1)](https://www.amazon.com/HiLetgo-DS18B20-Temperature-Stainless-Waterproof/dp/B00M1PM55K?pd_rd_w=SKB8F&content-id=amzn1.sym.0c0e3277-1675-489c-a566-ea075b32087a&pf_rd_p=0c0e3277-1675-489c-a566-ea075b32087a&pf_rd_r=T6R7JZS3T78DEY7F7SES&pd_rd_wg=TCse2&pd_rd_r=90be77fb-8704-4631-bf7f-994fb6190145&pd_rd_i=B00M1PM55K&psc=1&ref_=pd_basp_d_rpt_ba_s_2_t)
* [TDS sensor (1)](https://www.amazon.com/KEYESTUDIO-Quality-Monitoring-XH2-54-3Pin-Connector/dp/B08DGLY3J2/ref=sr_1_2?dib=eyJ2IjoiMSJ9.1uRFD0bPwN1sTFUWma1U_rxvJwHhJ1_zgn-wGaLVsoKMjg_EVCxVH1RJvWZsUmA4fhztmqzaLtS5WHKhJbjPTR_rquAflXYEkJ4nDlgtZN98FkAqlJ1HNAdkpRe_xiA8bxmLB6na62LIaU-b-5qIMyGxxis2xj1HXmz-bnIN84tgRTRjzTPcppGcvfK2ivoejzHro4wHUB7f5d1Yyx5mSt1uqKdLLoFVicKmuHziLM4.bRkJZKv6JpLISinV0TWDinCKur0VMYIe2nFCTUTSfo0&dib_tag=se&keywords=tds+sensor&link_code=qs&qid=1722795236&sr=8-2)
* [Turbidity sensor (1)](https://www.newark.com/amphenol-advanced-sensors/tsd-10/turbidity-sensor-5vdc-phototransistor/dp/18X9859?gad_source=1&gclid=CjwKCAjwp4m0BhBAEiwAsdc4aN-BGrIEiqlprgYqlL0_sncE6fnm5LnBV7IjGdkQGgUt00mzdWXIHRoCAdQQAvD_BwE&mckv=_dc%7Cpcrid%7C%7Cplid%7C%7Ckword%7C%7Cmatch%7C%7Cslid%7C%7Cproduct%7C18X9859%7Cpgrid%7C%7Cptaid%7C%7C&CMP=KNC-GUSA-GEN-PMAX-Shopping-New)