

# Kinetic Pump Material List and Assembly Instruction

## Structural Parts

Name	Model	Process Suggestions
Body	Body Pump.stl	3D print
Lid	Lid Kinetic Pump_Wind.dxf, Lid Kinetic Pump_Hydro.dxf	Laser cut, 3mm thick Plywood, 3mm thick Acrylic, 6mm thick Acrylic
Check Valve	McMaster 47245K114	
Membrane	Mold Pump Membrane.stl	Cast, Smooth-On Ecoflex 00-30
Bolt	M2, L 20mm	
Nut	M2	
Bearing	McMaster 6383K11	
Fan	Fan.dxf	Laser cut, Dura-Bright White
Fan holder	Fan Holder.stl, Fan Holder_Bottom.stl	3D print
Axis	dia. 6.35mm Wooden dowel	
Magnet		
d1	12mm	
d2	10mm	

## Working Medium

None

**Assemble Instruction**

