

**The CRAPPER Waterless Composting Toilet**  
**Parallel Sanitation Solutions for Relief Workers & to Serve the Base of**  
**the Pyramid (BoP)**  
**For Disaster Response, Long-Term Development & Humanitarian Aid**



**TOILETS**  
**FOR PEOPLE**



**TOILET SEAT**  
 Optional - can be removed for squatting toilet

**REFUSE SLOT**  
 Hole to capture waste in drum

**DRUM FLAP**  
 When the drum is spun, the flap opens and closes to allow refuse to drop into tray

**DRUM LOCK**  
 Keeps drum in proper position

**DRUM LEVER**  
 Allows user to spin drum

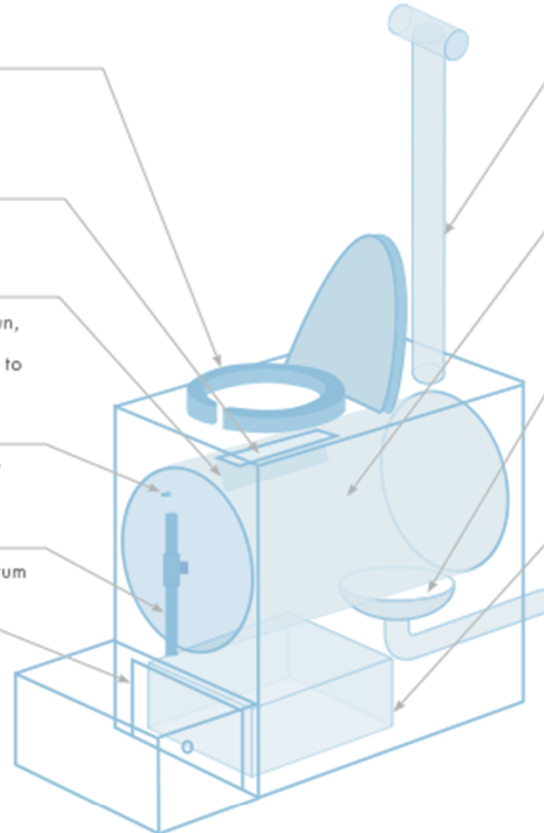
**COMPOST DOOR**  
 Lift door to remove/empty refuse tray

**VENT**  
 Removes smell by venting aromas away from toilet

**ROTATING DRUM**  
 Where refuse is stored while composting

**LEACH DRAIN**  
 Allows moisture/liquid to leach out of solid compost

**COMPOST TRAY**  
 Holds compost until ready to bury



**Made In-Country with Local Materials & Labor**

Wood exterior, constructed with hand tools or power tools, takes 1 laborer 1 day to make 1 toilet, material cost = \$150

**Made in USA**

HDPE exterior, made with CNC router and power tools, takes 1 hour to cut and assemble 1 toilet, retail cost = \$650

