

## **Case #2: Plumbing Industry**

### **Objective**

Developed a specialized, high-efficiency draining system, to quickly drain water from walk-in tubs designed for people with special needs

### **Obstacle encountered**

- The client was constrained by the competing objectives of high flow rate, safety and a restricted outlet orifice
- They needed to improve the rigidity of the drain without further restricting the flow rate

### **Advancement that was made**

Developed a durable drain that evacuates 21-25 gallons of water a minute, draining a 70-gallon walk-in tub in three minutes.

### **Example of evidence**

- Drawings
- Emails
- Notes
- Samples