

## **SALIENT CHARACTERISTICS**

**Need** – Commercial-grade Water Softening System

**Market** – Open market

**Brand Name product** – Culligan HS-2004-Hi Flo 50, configured as Triplex Progressive/Water Meter/Demand

### **Functions to be performed, performance required and essential physical characteristics/dimensions:**

- a) The system shall include three (3), side shell ASME coded steel tanks with up to 6,000,000 grain capacity, including
  - i. PVC or equally corrosion-resistant internal distribution
  - ii. Inlet/outlet sample ports and pressure gauges
  - iii. Sufficiently large resin tank
  - iv. Gravel under-bedding
  - v. Inlet/outlet butterfly valves for isolation
- b) The system shall include “smart” controllers to monitor flow and control regeneration
- c) The system shall include flow sensors
- d) The system shall include a function to allow units to come online and go offline based on flow
- e) The system shall include a function to prevent units from regenerating simultaneously
- f) The system shall include a brine day tank that holds sufficient brine for one regeneration (for example, brine tanks of sizes 48” x 60” or 60” x 60”)
- g) The system shall meet or exceed minimum requirements of 720 total system continuous gpm, and a total system peak of 1,200 gpm.