

# **Trailer Mounted Five Star Filtration Five Star Disk Filter Model 2D36DA Pilot/Demo Unit**

The Five Star continuous discharge cloth disk filter is trailer mounted. The trailer includes a Gorman-Rupp self-priming 3 HP Super "T" Series feed pump with a 2" pipe connection; a Gorman-Rupp self-priming 3 HP Super "T" Series backwash pump with a 2" quick-disconnect fitting and 60 feet of flex hose; three (3) VFD drives, one for each pump and one for the backwash drive system; electrical control panel with PLC controls and color touchscreen panel mounted PC and wireless communication system; influent and effluent Hach "Solitax" turbidimeter probes; influent TSS monitoring system with Hach "Solitax" probe; and a Model 2D36DA Cloth Disk Filter (see drawing FSDF-2D36D).

The trailer is an enclosed cargo style trailer and is 25 feet long, 9 feet wide and 11 feet high. The trailer also includes and air conditioner/heater to control the environment inside the trailer during all types of weather conditions. The trailer should be stationed on a flat, accessible area (paved if possible) at least 35 feet' long and 15 feet' wide. The approximate weight is 10,000 pounds dry and 15,000 pounds operating weight.

## **Utility requirements/connections are as follows:**

- Power:           460 Volts, 25 amps, 60 cycle/3 phase plus ground (50' electrical cable on board)  
          OR       230 Volts, 50 amps, 60 cycle/single phase (50' electrical cable onboard)
- Influent:        3" (PVC furnished w/all connections)
- Effluent:        Four inch (4") quick-disconnect w/20 ft. hose.
- Backwash:      Two inch (2") quick disconnect coupling w/ 50 ft. hose.



