

# Vertical Bladder Tanks

- **Model No. 6510**
- **Capacity 200 to 10000 Liters**

## Application:

- The Persian GPE Bladder-Tank System works without any external energy supply. The concentrated foams stored in a rubber bag, which is placed inside the tank, and because of water which come from the main water line under pressure, the bladder in flutes and expanded is pushed out of the bladder through axial perforated pipe. On request welding on the body shall be according to the ASME standards. Concentrate from a pipe, and downstream after the Proportioner the premix has the right mixing rate. The bladder tank is equipped with vent valves, water and concentrate drain/fill valves, vessel support mounts, discharge pipe and a safety valve to protect it from overpressure.
- The center discharge piping, located within the bladder, insures that the foam concentrate flows to the upper discharge.
- During operation, water supplied from the system fills the area outside of the bladder, gradually displacing the foam concentrate inside the bladder causing the bladder to collapse until the supply is exhausted. The bladder discharges foam concentrate for the remotely mounted ratio controller at approximately the same pressure as the water supply. Since the bladder tank system is pressurized during operation, the bladder can be refilled with concentrate only when system is not in use.

