

Our Foam Dosing Skids are designed and manufactured particularly for fire protection in large facilities – such as fuel bulk plants, truck loading facilities, aircraft hangars, flammable-liquid storage areas, and any other potentially hazardous environment.

This Foam Dosing Skids are tailor built to customer specifications and/or conforming to National Fire Protection Association (NFPA) standards.

These skids are designed to deliver large quantities of foam concentrate, precisely proportioned into the fire water stream by using state-of-the-art FireDos® foam admixing pumps.

These skids are mechanical systems and require no external energy unlike balance proportioning skids. The system functions by discharging and proportional volume of the foam concentrate for the provided volume of water, thus this system provides the exact quantity of foam for proportioning. Based on fire protection customer philosophy and specifications for capacity, piping, electrical components, and other important factors, we can customize it to fire protection skid for offshore or onshore facility.

Our skid systems are compatible with all foam concentrates and are fully designed, manufactured and tested under one roof at our design and fabrication facility in Dammam, and shipped ready to install.

## ***Foam Dosing Skids***



## 1. Skid Structure & Base frame:

- Common base frame to house the entire skid unit with its component.
- HDG channels and beams.
- Grating on the entire skid for ease in operation.
- Lifting lugs.

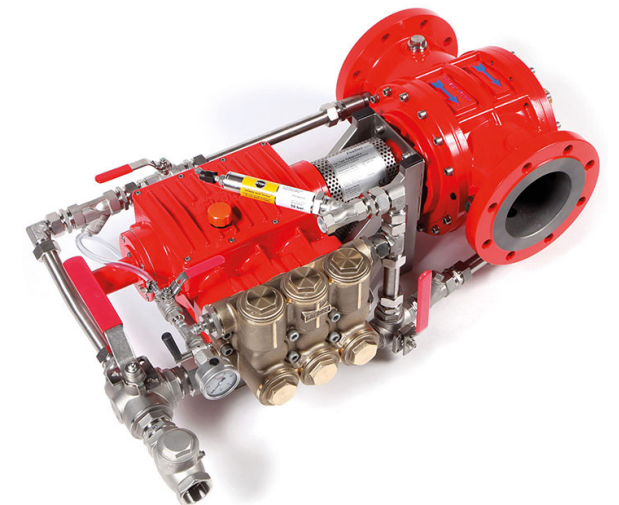
## 2. Foam Tanks:

- One-piece construction enhances long-term performance of the tank.
- Corrosive resistant material of Polyurethane.
- Suitable to store all types of foam concentrates.
- Full drainage available as flanged connection is at the base.
- Wide range of storage capacities available (200 gallons-13650 gallons).
- Available with expansion done.



## 3. FireDos:

- This is a pure mechanical system that requires no external power.
- The FireDos consists of main components:
  - Water motor.
  - Admixture Pump.
  - Coupling.
- As the water motor and the admixture pump is connected by the coupling both water motor and the pump operate at the same speed.
- Fits between the flanges easily without external or additional piping.
- All the various types of fire extinguishers can be used.
- Variants available for both fresh and salt water.
- The FireDos are UL listed VdS & GL approved.
- Wide range of flow available (16 GPM-6600 GPM).
- Fixed proportioning rates (0.5%, 1%, 3%, 6%).
- Variants available for operating temperatures of up to 80 °C.



## 4. Options in Skid:

- Flow meter on the piping to measure the flow.
- Flow control valve on water line.
- Sunshade for the entire skid if required.
- Lighting for the sunshade.
- Marine painting of structure and piping if required.

