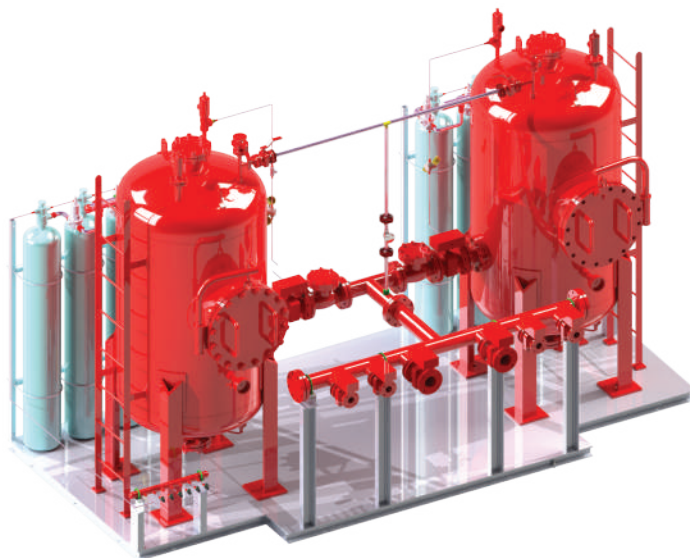


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FIRETECH DRY CHEMICAL POWDER SKID UNITS – SINGLE & TWIN STORAGE

SPECIAL FEATURES

- Quick response operation and fast fire knockdown
- Large extinguishment capacity
- Longer discharge period
- Custom designed for capacity, fitment & discharge method
- Proven track record

DESCRIPTION

FIRETECH Dry Chemical Fire Suppression Systems are self-contained units, designed by factory-trained personnel, consisting of a pressure vessel constructed to ASME standards, nitrogen cylinders meeting the PESO approval. These systems can use dry chemical extinguishing agents such as Sodium Bicarbonate Purple - K, Potassium Bicarbonate, PYROKYL powder, Powerex powder, TEC powder, ABC powder etc. For special applications requiring special hazard with various flammable chemicals/gases, please consult FIRETECH team for use of the most appropriate and suitable dry chemical powder suppressing agent with its application rate.

FIRETECH Dry Chemical Powder Skid Systems are carefully designed for quick knock down of large scale fires. It is most ideal for the application of three-dimensional and pressurised liquid, gas or metal fires. The skids are suitable when number of personnel to operate firefighting systems are limited, the location of application is remote or multiple hazards to be dealt with. These skids are highly effective in areas where there are operational difficulties faced by other types of hand extinguishers or wheeled extinguishers that many a times may not be available in sufficient capacity to fight the fire hazard.

FIRETECH EQUIPMENT & SYSTEMS PVT. LTD.

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FIRETECH Dry Chemical Powder Skid – Single storage unit.

Please refer fig. 990-1 for the general arrangement of FIRETECH Dry Chemical Powder Skid – Single storage unit. The unit typically comprises of steel pressure vessel, cylinder with manifolds, valves, gas release arrangements, hose stations, monitors, pressure gauges and safety valves. FIRETECH DCP Skid is totally a self-contained with hose reels and monitors with capacities up to 2,000 Kgs. The basic units are skid based and can be designed for trailer mounting optionally.

FIRETECH Dry Chemical Powder Skid Systems are designed to fight large Class B (Flammable liquid and gas) and Class C (Electrical) fires with an ease of operation through flexibility in reach and higher capacities. These systems are designed for operation by trained personnel. FIRETECH DCP Skid Systems offers the quick response, large suppression agent capacity, longer discharge time, and increased flow rates necessary to combat large fires.

FIRETECH Dry Chemical Powder Skid Systems are manufactured to provide manual firefighting protection for hazardous areas such as decks of offshore platforms, loading racks, petrochemical facilities, marine applications, fuel storage areas, and heavy manufacturing operations.

OPERATION

Once the system is actuated, nitrogen gas pressurises the tank, the nozzles fitted in the bottom of the storage tank fluidizes the powder stored inside it. Once the required pressure is achieved, the fluidized powder is dispensed through the manifolds towards the discharge devices such as monitors, hose reels, nozzles, etc.

FIRETECH DCP Skid can be designed in single or twin storage pressure cylinders. System can be used on Deck offshore to

discharge powder across the whole cargo area at required capacity. Central system feeds the powder from central storage to the on-deck hose stations and monitors. FIRETECH DCP Skid can also be operated remotely from the release boxes through the pilot cylinders or even manually through the dry powder unit. Thus giving operational flexibility. These skids can be provided with UL listed dry chemical powder. Typical nitrogen charging pressure is around 150 Kg/cm².

DISCHARGE DEVICES

FIRETECH DCP Skid systems can be designed for various discharge devices that includes DCP Monitors, DCP Hose Reel or DCP Nozzles depending upon application, type and area of coverage. Please consult FIRETECH team for the suitability of discharge devices to be used.

Hose Reel

Hose Reels are designed to send dry chemical from the main storage system directly to the hazard area. This is accomplished by means of a manual pneumatic actuator mounted on the hose reel assembly. By actuating the lever on the actuator, the operator can send dry chemical directly to the nozzle. The standard hose reels are available in 1 inch / 1 ½ inch Hose Dia. x 30 M/15 M length as required.

DCP Monitor / Turrets

DCP Monitors / Turrets constructed completely of stainless steel 304 construction provided with Manual or Electro-Hydraulic Control System. The monitor shall be designed to deliver DCP at the rate of 30 Kg/sec with a throw range of 30-35 Meters as required. The monitor shall be coated with Corrosion Resistant Painting System for onshore environment.

DCP Vessels Approvals in Options

- ASME U Stamped
- CE Marking

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