



Characteristics of Buckeye Dry Chemical Wheeled Fire Extinguishers

Buckeye Fire Equipment manufactures a complete line of Wheeled Fire Extinguishers. These extinguishers are designed for protecting hazard areas that require extra firefighting power such as oil platforms, airport tarmacs, and other large-scale operations. Engineered to be easily operable by one person and transportable over smooth or rough terrain, Buckeye's wheeled extinguishers are the right choice when you need a large capacity fire extinguisher.

Buckeye's Dry Chemical Wheeled Extinguishers are available as Stored Pressure or Cartridge-Operated models

Stored Pressure:

In Stored Pressure extinguishers, the extinguishing agent and the pressurizing gas (nitrogen) are contained in the same cylinder. The advantages of this type of extinguisher are instant activation, lower purchase price, and lower service costs.

Cartridge-Operated Extinguishers:

Buckeye has cartridge-operated wheeled extinguishers in two configurations, Pressure Transfer and Pressure Regulated. Both models use a nitrogen cylinder separate from the agent cylinder to house the pressurizing gas. The advantages of the cartridge-operated models are that a spent nitrogen cylinder can be quickly and easily replaced, the agent cylinder does not have to be depressurized when replacing the agent, and they come in large capacities of 150 lbs. and 350 lbs. of agent.

In the Pressure Transfer extinguisher the nitrogen tank is opened and the gas flows directly into the agent tank pressurizing it with a full charge all at once. The unit is essentially a stored pressure unit at this point and discharges in much the same way; the pressure being at it's peak upon initial activation and decreasing as the discharge process unfolds. The Pressure Transfer extinguisher has a lower purchase price than the Pressure Regulated model since it does not include the expense of the regulator.

In Pressure Regulated extinguisher the nitrogen tank is opened and the pressurizing gas flows into the agent cylinder through a regulator set at 240 psi. The regulator keeps the pressure in the agent cylinder at a constant 240 psi throughout the discharge duration thus providing a smooth and consistent discharge of the agent. The regulation of the pressure also allows for a greater volume of nitrogen so that at the end of the discharge there is an additional pressure reserve that can be use for "blowing down" the discharge hose (i.e., blowing out the residual agent left in the hose).

Whether you buy a Buckeye Stored Pressure, Pressure Transfer, or Pressure Regulated model you can be assured that you are buying a reliable and effective extinguisher.

Buckeye Fire Equipment Company
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