

# PHOS-CHEK® DUAL AGENT TRAILER



## DESCRIPTION

**PHOS-CHEK® Dual Agent Trailers** allow large quantities of foam concentrate and dry chemical to be deployed for swift-response situations or as a rapid response apparatus to emergencies requiring specialized firefighting agents. Standard trailers come in single or double totes with a stationary dry chemical unit [500 lb. – 2000 lb. (227 kg – 907 kg)] containing dry chemical agent (Purple-K, Multi-purpose). All Dual Agent trailer sizes are designed to allow for superior mobility so that the user can deploy the unit for rapid response and quick extinguishment.

A mounted monitor set up allows the user to draw foam concentrate directly from the tote by a self-educating nozzle. The mounted monitor set up can be supplied in several options for nozzle flows and inlet supply configurations to best fit the user's specific needs. The dry chemical system is fully self-contained, and includes the agent container, actuator, expellant gas, agent lines, hose storage and discharge device in a single, compact unit. This mobile firefighting unit work independently of possible interruptions in municipal electrical and water supplies.

The PHOS-CHEK line of standard Dual Agent Trailers also incorporates two pre-connected foam hand lines that are perfect for small spot fires or reapplication of foam. These trailers come with plenty of storage space with multiple side compartments, over-the-fender boxes, and an A-frame compartment. Custom fender boxes are an option. All Dual Agent Trailers are DOT compliant.

## FEATURES

### Dry Chemical System

- Completely self-contained
- One or two-person operation for rapid first response situations
- Rapid flame knockdown to minimize fire damage and spread
- Available with BC type (Purple-K) or ABC type (multi-purpose) dry chemical
- Rugged construction for high-hazard, high-risk environments
- Easy to maintain, fully field rechargeable
- Works independent of possible interruptions in municipal water or electric supplies
- Compliant with NFPA 17
- Critical components ASME and DOT compliant Foam System

### Foam System

- Single, dual tote foam capacity
- Provides rapid fire suppression or vapor control
- Dual 2.5" (63.5 mm) or Storz hose connection on each side of the trailer
- Pre-piped monitor with self-educating nozzle
- Pre-piped foam-water handline nozzle with eductors
- Standard water piping is carbon steel with inlet connection
- Diamond plate operator platform surfaces
- Rapid release tote locking system
- All water and foam concentrate piping run under the trailer to prevent tripping hazards
- DOT compliant

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## APPLICATION

PHOS-CHEK Dual Agent Trailers are designed to provide firefighting capabilities in industrial or multiple hazard areas containing Class B fuels. Common high-hazard high-risk environments found in aviation, petroleum, oil and gas, chemical, industrial manufacturing, power generation, mining, and marine operations include:

- Aircraft Rescue and Fire Fighting
- Chemical Manufacturing and Storage
- Emergency Response
- Fueling Stations
- Industrial Manufacturing Operations
- LNG Transfer and Charging Stations
- Loading Racks
- Port and Shipyard Operations
- Process Areas
- Surface Mining Operations
- Tank Storage and Dike Areas
- Utility Substations, Transformer Yards and Vaults
- Warehouse Storage

## PERFORMANCE

The PHOS-CHEK stationary dry chemical system is a high-performance firefighting unit capable of extinguishing Class B hydrocarbon and polar solvent fuel fires. Requiring only a single operator for use, this compact unit completely integrated into the dual agent trailer assembly and is capable of extinguishing at approximately 1000-3200 ft<sup>2</sup> (93-297 m<sup>2</sup>) of flammable liquid spill area.\*

A single 300 ft<sup>3</sup> (8 m<sup>3</sup>) nitrogen cylinder is used to expel the Purple-K dry chemical through a 100 ft (30 m) hose connected to the discharge nozzle and hose reel. The discharge nozzle incorporates a two-position bail type slide-valve. The hose is mounted to a hose reel for quick deployment and easy storage.

The extinguishing agent Purple-K dry chemical contains specially fluidized and siliconized potassium bicarbonate which is 2.5 times more effective than ABC (multi-purpose) dry chemical on Class B flammable/combustible liquids and pressurized gases. Purple-K dry chemical is electrically non-conductive. The PHOS-CHEK stationary dry chemical unit is effective in suppressing spill, fuel-in-depth, three-dimensional and pressurized fires.

The foam system portion of the Dual Agent trailer is available in single or dual tote designs [265 gal. (1000 litre)]. PHOS-CHEK C6 fluorosurfactant based AFFF and AR-AFFF or Fluorine Free foam concentrates may be used. PHOS-CHEK foam concentrates provide superior fire suppression.

A mounted monitor set up allows foam concentrate to be drawn directly from the tote by a self-educating nozzle. The mounted monitor set up can be supplied in several options for nozzle flows and inlet supply configurations to best fit the user's specific needs.

\*Single and two trained operators each applying 500 lb. (227 kg) Purple-K dry chemical at 8.0 lb./sec (4.0 kg/sec)



## STANDARD FEATURES

### Foam System

- Pre-piped 3.0" (76 mm) riser pipe with valved monitor and self-educating nozzle: 1000 gpm (3785 lpm)
- Carbon steel water piping with inlet connection: 5.0" (27 mm) Storz
- Two pre-piped 95 gpm (360 lpm) foam educators
- Two hose discharge connections (educator supplied) with ball valve: 1.5" (38 mm) National Hose (NH)
- Water and foam concentrate piping are run under the trailer to prevent tripping hazards

### Dry Chemical System

- 500 lb. (227 kg) dry chemical system (Purple-K)
- Manual rewind hose reel, 100 ft. x 1.0 in. diameter hard rubber hand hose line, standard discharge nozzle 4.5 lb./sec (2 kg/sec)
- Quick opening valve actuator, single 300 ft<sup>3</sup> (8 m<sup>3</sup>) nitrogen cylinder

### Trailer Assembly

- Over the fender storage compartments, side body compartments, front A-frame compartment
- Heavy duty trailer frame with Dexter TORFLEX suspension axles
- Diamond plate operator platform surfaces
- 7,000 lb. (3175 kg) capacity drop-foot front jack
- Dual 5,000 lb. (2268 kg) capacity swing-down rear jacks
- Pintle hitch
- Electric brakes
- DOT Compliant



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## AVAILABLE OPTIONS

### Foam System

- Pre-piped monitor with self-educating nozzle: 500 gpm (1893 lpm) or 750 gpm (2839 lpm)
- Two pre-piped foam-water handline nozzle: 125 gpm (473 lpm) educators
- Two pre-connected foam-water handlines: hose trays each hold up to 150 ft (48 m) of hose
- Pressure gauges for each hand line and monitor
- Stainless steel water way (saltwater environments)

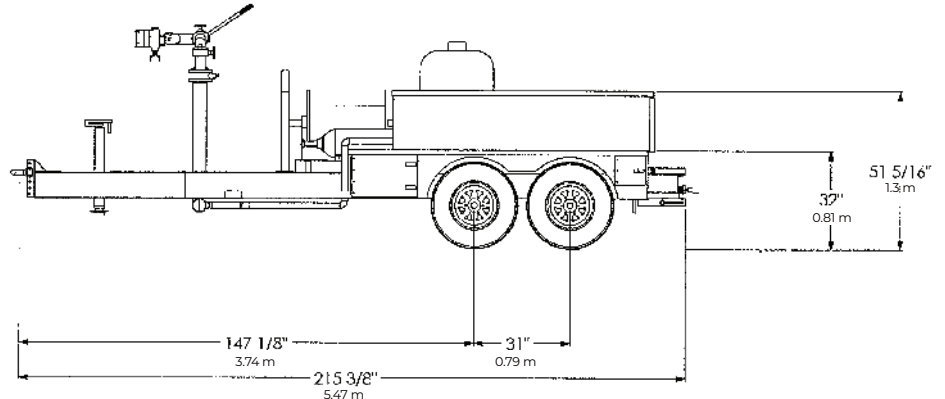
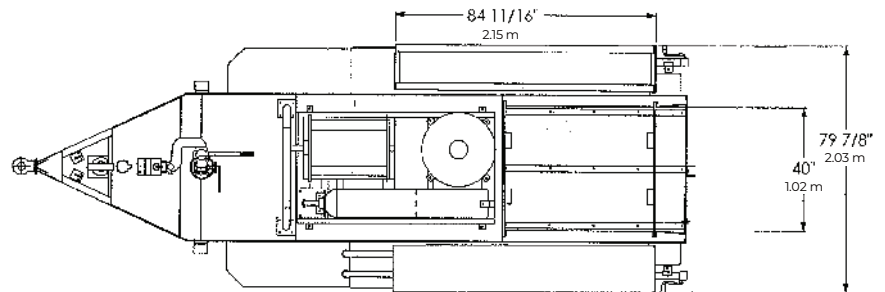
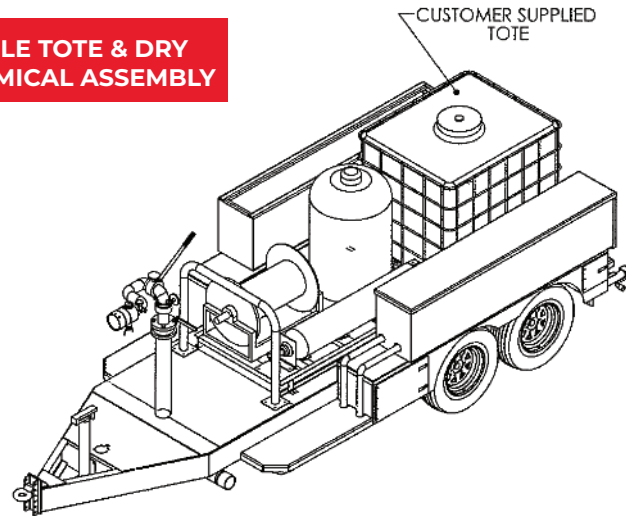
### Dry Chemical System

- High flow discharge nozzle 8.0 lb./sec (4.0 kg/sec)
- Pistol grip discharge nozzle 6.0 lb./sec (3.0 kg/sec)
- Manual turret
- ABC (multi-purpose) dry chemical agent
- Electric rewind hose reel
- Dual hose reels
- 150 ft. x 1.0 in. hard rubber discharge hose
- 700 lb. (317 kg), 1000 lb. (453 kg), 2000 lb. (907 kg) dry chemical agent tanks

### Trailer Assembly

- Customized fender compartments
- Customized water inlet connection
- Custom graphics
- NFPA 1901 Compliance

### SINGLE TOTE & DRY CHEMICAL ASSEMBLY



## PACKAGING

### ORDERING INFORMATION

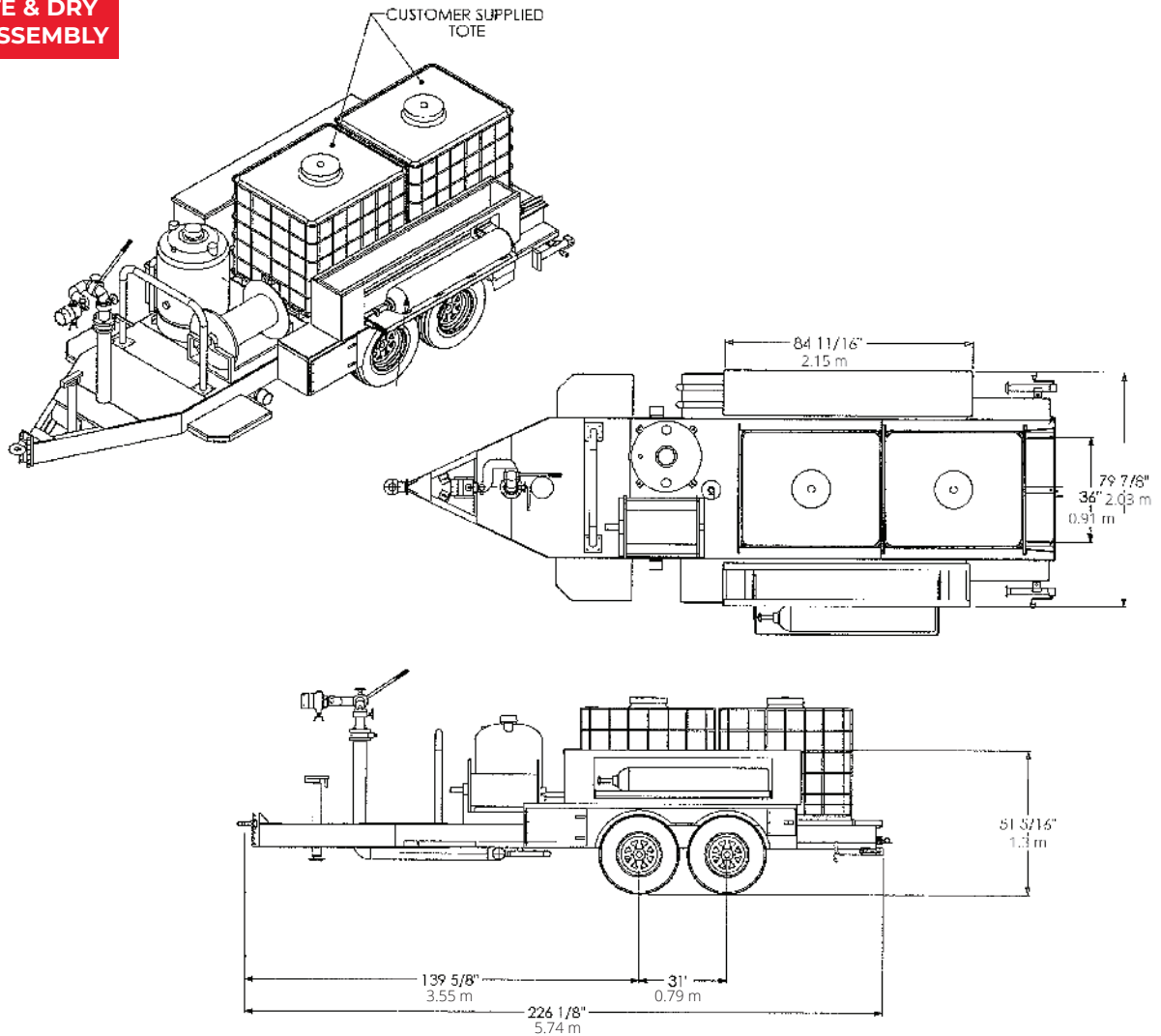
PHOS-CHEK Dual Agent Trailer	lb**	kg**	Part #
Standard Single Tote, 500 lb. Dry Chemical System (Purple-K)	3500	1587	10004355
Standard Double Tote, 500 lb. Dry Chemical System (Purple-K)	3500	1587	10004356
Purple-K Dry Chemical, 5 lb (2 kg). pail	50	23	10004357

\*\*Approximate shipping weight

Additional trailer options and custom trailer designs are available. Contact your local PHOS-CHEK distributor or factory representative for details. [perimeter-solutions.com](http://perimeter-solutions.com)

# PHOS-CHEK® DUAL AGENT TRAILER

## DOUBLE TOTE & DRY CHEMICAL ASSEMBLY



## Solutions That Save.

### FOR MORE INFORMATION

Contact any of our worldwide Perimeter Solutions Fire Safety offices or visit:

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