

# 55 Gallon Drum Fluid Dispensing Trailer

## Phosphate Ester Fluids

### Model 8776B



The Model 8776B Fluid Dispensing Trailer for Phosphate Ester Fire Resistant Fluids is designed to service all narrow and wide body aircraft. This modular and low profile fluid service unit reduces aircraft fluid servicing time. The unit dispenses fluid directly from the original 55 gallon drum, thus eliminating fluid contamination. The versatile system is suitable for phosphate ester (Skydrol or HyJet) hydraulic fluids.

The basic unit dispenses fluid from a shop air supply with the integral air operated fluid pump. The optional nitrogen system and dual bottle rack provide fluid servicing in remote areas where an air supply is not readily available. The system is design for one-man operation with a control valve at the end of the delivery hose.

The Model 8776B is built to withstand harsh environmental conditions and rugged use, and to provide many years of continuous service. Our customers are guaranteed a quality product with each purchase and are assured of our continued product support whenever and wherever the need arises.

### Standard Features:

- Towbar with 3 inch lunette eye
- Front wheel parking brake
- Drum cradle with tie down strap with mechanical drive for loading and unloading fluid drum
- Control console includes pressure gauges (air & fluid), air control valve and N<sup>2</sup> regulator, N<sup>2</sup> shut off valves and gauges if equipped with bottle rack
- Three 16 inch diameter foam filled wheels
- Air motor and hydraulic assembly
- 35 foot fluid delivery hose with dispensing nozzle and shut off valve at hose end
- Gravity fill adapter
- Air/nitrogen relief valve
- Air vent filter and desiccant dryer

### Standard Features (Cont'd)

- Lockable storage box for fluid couplings and fittings
- Drum attachment and rotating mechanism
- Skydrol resistant paint (yellow)

### Optional Features:

- Retractable hose reel
- Manual hand pump
- Ground static reel
- Liquid level gauge (drum fluid level)
- 3600 psig nitrogen bottles with CGA680 valves
- Nitrogen bottle racks with nitrogen regulator
- Export crating
- Customer specified paint color

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### Specifications:

Unit Weight .....	700 lbs (318 kg)
With Optional N <sub>2</sub> Bottle Rack .....	1400 lbs (636 kg)
Max. Recommended Tow Speed .....	20 mph (32 km/h)
Towbar .....	3 inch lunette eye with parking brake
Drum Cradle with Tie Down Strap .....	mechanical drive for loading and unloading fluid drum
Air Supply Pressure .....	70 to 110 psig (4.9 to 7.7 kg/sq cm)
Air Consumption .....	35 scfm
Nitrogen Pressure (from bottles) .....	300 to 3500 psig (21 to 245 kg/sq cm), with optional N2 bottle rack
Nitrogen Consumption .....	40 scfm
Fluid Delivery Rate & Pressure .....	4.5 gpm at 150 psig (16.8 lpm at 10.5 kg/sq cm)
Fluid Delivery Hose .....	35 feet with shut off valve & gravity fill adapter at end of hose
System Filtration .....	Fluid: 10 micron, Air with Dryer: 1 micron

**Model 8776B Typical Aircraft Applications:**

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**Model 8776B is Designed to Service all Narrow and Wide Body Aircraft.**

### Optional Equipment Codes:

*(Specify with order)*

SPC: Special Paint Color (safety yellow is standard)

### Packaging Codes & Options:

*(Specify with order)*

- : Domestic Skid
- EC: Export Crate (Additional Cost)

<b>Shipping Data:</b>				
<b>Packaging Code</b>	<b>Length</b> inches (mm)	<b>Width</b> inches (mm)	<b>Height</b> inches (mm)	<b>Weight</b> lbs (kg)
-: Without optional N <sup>2</sup> bottle rack	106 (2693)	51 (1295)	42 (1067)	800 (363)
With optional N <sup>2</sup> bottle rack	122 (3099)	83 (2108)	42 (1067)	1550 (703)
EC: Without optional N <sup>2</sup> bottle rack	108 (2743)	56 (1422)	45 (1143)	900 (409)
With optional N <sup>2</sup> bottle rack	124 (3150)	88 (2235)	45 (1143)	1650 (750)