

DRYWASH COLUMNS T76 TECHNICAL SPECIFICATIONS

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Technical Specifications:



- Two (2) 10" diameter resin columns, each 5' tall powdercoated steel
- Center stand and legs made from powder coated steel, uses leveling feet to assure a stable work area. (33" x 33" footprint)
- Overall height: 6'4"
- Recommended flow rate: 20 gallons/hour (76 liters/hr)
- Plumbing: stainless steel jacketed Teflon hose, JIC swivel fittings; columns plumbed in lead/lag configuration
- Lead column preloaded with Eco2Pure absorbent media, lag column preloaded with Thermax Tulsion T-45 macroporous resin

Options:

1. The SpringPro T76 comes standard with Eco2Pure preloaded in the lead column and Thermax Tulsion T-45 preloaded in the lag column. **(recommended)** The SpringPro T76, however, is compatible with other leading dry wash media, and can be provided without media at a price reduction of \$580.*

2. Premium Package: System mounts to SpringPro T76 in minutes. Includes inlet strainer, 20 GPH stainless metering pump, outlet fuel filter, appropriate plumbing/electrical, and component mounting frame.

Important Note



Ion Exchange resins, such as Purolite, Thermax, Amberlite, and others, as well as absorbent media, such as Magnesol and Eco2Pure, effectively remove trace amounts of glycerin, soap, and ionic compounds. They are not, however, effective at removing residual methanol. Typically, unwashed biodiesel will contain 1-1.5% or higher residual methanol by volume. If this is not removed, the biodiesel will not comply with ASTM D6751. ASTM D2887, ASTM D2887M, EN14110, ASTM D93, and ASTM D613 are all sections of the ASTM D6751 standard which may be adversely effected if residual methanol is not removed.

Bottom Line: Neither the SpringPro T76, nor any competitor's dry wash column system constitutes a complete purification solution for unwashed biodiesel. (This is in spite of some optimistic claims by manufacturers of drywash media and makers of drywash columns.) To achieve ASTM D6751 compliance, a drywash column system must be used in conjunction with demethylation. To sufficiently demethylate your raw biodiesel, it must be subjected to conditions equivalent to 180 degrees Fahrenheit and 60 torr. Springboard Biodiesel will soon be introducing a continuous flow demethylator/dehydrator to address this need. The drywash media supplied in the SpringPro T76 is NOT adversely affected by the presence of residual methanol, and in fact, we suggest running raw biodiesel through the SpringPro T76 **before** demethylation.