MERCEDES TEXTILES LIMITED
FORESTRY PRODUCTS

HYDRO-WICK®
FIREFLYER™ HELICOPTER TANKS

HYDRO-WICK® FIREFLYER™ FEATURES:

- These aerodynamic Hydro-Wick® Fireflyers™ are used extensively by the forestry service to transport water, foam or potable water to remote locations by helicopter
- The compact, flexible containers are made from a tough PVC coated fabric. Supplied complete with various sizes filler and outlet ports. Shut-off at the outlet, with "0" ring for attaching to harness clip and special pear shaped ring to resist rollout
- MATERIALS

Base Fabric – Panama Weave, 1000 Denier

PVC coated, true 28-ounce, (950-grams per square meter) heavy duty rip-stop woven polyester (aka Panama weave) mold and mildew resistant.

Cold Crack – Method 5874 @ -58 degrees F/-50 degrees C No Cracking or Flaking

High Temperature Range – 230-248 degrees F/110-120 degrees C

100% radio frequency, and Minimum 50 mm welded seams.

Bid Specs .. See next pages

FIREFLYER™ HELICOPTER TANKS

Part#	Description
70FLTH60	Fireflyer™ Helicopter Tank (72 US Gal., 273 Liters)
70FLTH110	Fireflyer™ Helicopter Tank (132 US Gal., 500 Liters)
70FLTH210	Fireflyer™ Helicopter Tank (210 US Gal., 950 Liters)

WEIGHT & DINENSIONS

Model	Capacity	Weight (Full)	Weight (Empty)
70FLTH60	72 U.S. Gal / 273 L	612 lbs / 278 Kg	13.0 lbs / 5.9 kg
70FLTH110	132 U.S. Gal / 500 L	1115 lbs / 507 Kg	17.0 lbs / 7.7 kg
70FLTH210	210 U.S. Gal / 950 L	2116 lbs / 960 Kg	22.0 lbs / 10.0 kg

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BID SPECIFICATIONS FOR 70FLTH110 and 70FLTH950 Helicopter Transportable Water Tanks

Mercedes Textiles Ltd. provides several sizes of helicopter water tanks (Pyramid shape) for forestry and wildland fire fighting as well as various other operations. These tanks are lightweight, compact and easily deployed and provide a portable water supply in situations where water sources are scarce or where terrain makes it difficult to set up other portable water sources.

Forged D-ring Straps, High Tenacity Polyester Webbing Straps (with box stitch)

Bolt-in Filler Port

70FLTH110

SIZE

Capacity: 132 US gallons, 110 Imp. Gallons or 500 liters
Weight (dry): approximately 18.5 pounds or 8.39 kilograms
Weight (filled): approximately 1115 pounds or 506 kilograms

MATERIALS

Tank Material

Base Fabric – Panama Weave, 1000 Denier

PVC coated, true 28-ounce, (950-grams per square meter) heavy duty rip-stop woven polyester (aka Panama weave) mold and mildew resistant.

Cold Crack – Method 5874 @ -58 degrees F/-50 degrees C No Cracking or Flaking

High Temperature Range – 230-248 degrees F/110-120 degrees C

100% radio frequency, and Minimum 50 mm welded seams.

FILL PORT

1 1/2" (38.1mm) diameter fill port complete with a leak proof plug and debris screen at the top portion of the tank.

The filler port plug is tethered to the tank.

Filler port O-ring is placed over the male threads to add security against leakage.

Alternative customized diameters upon request.

DISCHARGE PORT

¾" (19 mm) nylon GHT fitting.

122 cm (48 inch) long GHT hose attached to it with threaded ball-valve shut-off located at the end of the discharge hose. (can be placed at base of tank)

25 mm (2.5cm) snap hook tether to secure the hose to the tank.

Alternative customized diameters upon request

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LIFTING HARNESS

Three (3) D-Rings, Forged.

Minimum Breaking Strength 2270 kg (5000 lbs.)

Three (3) 2inch (50mm) High Tenacity Polyester Webbing straps.

Minimum Breaking Strength 4082 kg (9000 lbs.)

Forged D-ring straps are radio frequency welded and riveted to body of tank with a minimum of 4 or more rivets on each of the 3 -500 straps.

Pear ring lifting straps is sewn into continuous loops using no less than two double box stitch method

TOP LIFTING RING

Pear Shaped Version

Top Lifting Ring rated for Minimum Breaking Strength of 7620 kg (16,800 lbs.)

CONSTRUCTION

Tanks are to be constructed by bonding the seams using a radio frequency heat sealing method. Seams should be overlapped by at least 2" inch or 50.8 mm to ensure maximum strength.

IDENTIFICATION

Each tank is to be printed with logo, and appropriate gallon and litre capacity and (optional date of manufacturing). "Agency acronym" in 2" lettering will be printed on separate panel at no extra charge.

70FLTH950

SIZE

Capacity: 240 US gallons, 200 Imp. Gallons or 950 liters

Weight (dry): approximately 22 pounds or 10 kilograms

Weight (filled): approximately 2116 pounds or 960 kilograms

MATERIALS

Tank Material

Base Fabric – Panama Weave, 1000 Denier

PVC coated, true 28-ounce, (950-grams per square meter) heavy duty rip-stop woven polyester (aka Panama weave) mold and mildew resistant.

Cold Crack – Method 5874 @ -58 degrees F/-50 degrees C No Cracking or Flaking

High Temperature Range – 230-248 degrees F/110-120 degrees C

100% radio frequency, and Minimum 50 mm welded seams.

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FILL PORT

1.5″ (38 mm) diameter fill port complete with a leak proof plug and debris screen at the top portion of the tank.

The filler port plug is tethered to the tank.

Filler port O-ring is placed over the male threads to add security against leakage.

Alternative customized diameters upon request

DISCHARGE PORT

1.5″ (38 mm) nylon NPSH fitting.

122 cm (48 inch) long NPSH hose attached to it with threaded ball-valve shut-off located at the end of the discharge hose. (can be placed at base of tank)

25 mm (2.5cm) snap hook tether to secure the hose to the tank.

Alternative customized diameters upon request

MINIMUM BREAKING STRENGTH 2270 kg (5000 lbs.)

Three (3) 2inch (50mm) High Tenacity Polyester Webbing straps.

Minimum Breaking Strength 4082 kg (9000 lbs.)

Forged D-ring straps are radio frequency welded and riveted to body of tank with a minimum of 4 or more rivets on each of the 3 -950 straps.

Pear ring lifting straps is sewn into continuous loops using no less than two double box stitch method

TOP LIFTING RING

PEAR SHAPED VERSION

Top Lifting Ring rated for

Minimum Breaking Strength of 7620 kg (16,800 lbs.)

CONSTRUCTION

Tanks are to be constructed by bonding the seams using a radio frequency heat sealing method. Seams should be overlapped by at least 2″ inch or 50.8 mm to ensure maximum strength.

IDENTIFICATION

Each tank is to be printed with logo, and appropriate gallon and litre capacity and (optional date of manufacturing). “Agency acronym” in 2″ lettering will be printed on separate panel at no extra charge.

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