

# Ty Parker's **WILDLAND WAREHOUSE**

SUPPLIERS OF WILDLAND GEAR

DESIGNERS OF CUSTOM SKID UNITS

INITIAL ATTACK TRUCKS

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## Quotation

### Specifications for our L-Type Standard 50, 75 or 100 gallon UTV Fire Suppression Skid Unit “L” Shaped Low Profile Tank with Optional Modular Quick Detach Multi Use Stokes/Hose/Tool Tray

Our first goal in building UTV skid units is to provide a very safe and quality built unit, yet providing ‘water weight’, not equipment weight.

#### A – Tank

50, 75, or 100 Gallon capacity polypropylene water tank skid unit. The Tank shall be constructed of ½” black, textured, UV resistant polypropylene material with a ¾” thick tank floor and pump platform. It shall be baffled with minimum 3/8” transverse and longitudinal baffles to meet NFPA standards and shall include a full lifetime factory warranty. Made in the USA. The tank shall be approximately:

Fits 4x4 UTVs with Tailgate Closed

Fits 6x6 UTVs with Tailgate Closed

The tank only is approximately

50 gallon:	35” Long x 47” Wide x 15” High	or	42” Long x 47” Wide x 11” High
75 gallon:	35” Long x 47” Wide x 21” High	or	42” Long x 47” Wide x 16” High
100 gallon:	35” Long x 47” Wide x 29” High	or	42” Long x 47” Wide x 21” High

The entire skid unit, including the hose reel, shall be approximately

50 gallon:	35” Long x 47” Wide x 35” High	or	42” Long x 47” Wide x 31” High
75 gallon:	35” Long x 47” Wide x 41” High	or	42” Long x 47” Wide x 36” High
100 gallon:	35” Long x 47” Wide x 49” High	or	42” Long x 47” Wide x 41” High

The tank, at a minimum shall include the following:

- 1) White plastic sight gauge located on the driver side rear.
- 2) Lo-profile 5” minimum diameter tank fill/vent.
- 3) The driver’s side tank top shall have an additional ¾” thick polypropylene mounting plate.
- 4) 1” diameter FNPT fill port
- 5) 1 ½” diameter FNPT Tank Suction shall be internally plumbed to the dead center of the tank and then elbowed down to provide for maximum water usage at any slope off road.
- 6) 2” Diameter FNPT drain
- 7) Front and rear mounting tabs

This ‘L’ shaped tank design provides for the best of both worlds. It keeps the center of gravity down low, such an important issue on an UTV that operates off-road yet allows the pump cavity to be naturally flooded with water so priming is not required.

## **B – Pump Mounting**

The Wick water pump shall be mounted on the passenger-side rear tank platform in such a way that it deflects the engine noise away from the operator of the UTV and is **quickly removable** using only a spanner wrench, for optimal use as a portable pump in remote draft sites.

## **C – Pump**

Choose one of the following three (please ‘X’ selection).

*Option A* \_\_\_\_\_

**Wick 80-4H** Single stage pressure pump powered by a 1.5Hp Honda

Max Weight: **18 lbs.**

- 1) Engine: **1.5 HP, 4 Stroke**, Air-cooled.  
Recoil start. Honda  
Integral Fuel tank
- 2) Pump: Single Stage, High-Pressure driven via a **centrifugal clutch** (so powerhead may be left at idle without pumping water, or losing draft)  
1 ½” NPSH Suction, 1 ½” NPSH Discharge  
Max PSI: **72**, Max GPM: **55**
- 3) Primer – A hand primer shall be supplied and mounted

**NOTE:** This 4 stroke Honda has a pressurized crank case and is approved by Honda to run on extreme angles.

*Option B* \_\_\_\_\_

**Wick 100-4H:** Single stage pressure pump powered by a 2.5 Hp Honda.

Max Weight: **21 lbs.**

- 1) Engine: **2.5 HP, 4 Stroke**, Air-cooled.  
Recoil start. Honda  
Integral Fuel tank
- 2) Pump: Single Stage, High-Pressure driven via a **centrifugal clutch** (so powerhead may be left at idle without pumping water, or losing draft)  
1 ½” NPSH Suction, 1 ½” NPSH Discharge  
Max PSI: **100**, Max GPM: **70**
- 3) Primer – A hand primer shall be supplied and mounted

*Option C* \_\_\_\_\_

**Wickman 100G** Single stage pressure pump powered by a 2.3Hp Solo.

Max Weight: **17 lbs.**

- 1) Engine: **2.3 HP, 2 Stroke**, Air-cooled.  
Recoil start. Solo  
Integral Fuel tank
- 2) Pump: Single Stage, High-Pressure driven via a **centrifugal clutch** (so powerhead may be left at idle without pumping water, or losing prime)  
1 ½” NPSH Suction, 1 ½” NPSH Discharge  
Max PSI: **100**, Max GPM: **65**
- 3) Primer – A hand primer shall be supplied and mounted

## D – Hose Reel

A manual rewind, lightweight, rust-free, stainless steel/nylon with a 4-sided roller assembly hose reel shall be supplied and mounted on top of the tank, directly behind the driver so as not to impede visibility. It shall have the capacity to hold a minimum of 100ft of ¾ in. reel hose with a ¾ in. GHT male riser.

## E –Hose/Nozzle

100 Ft. of ¾ in. diameter lightweight (only 18lbs per 100 ft.) Reel Hose in yellow with a 400psi minimum working pressure, shall be supplied and installed. The couplings shall be field repairable couplings for quick repair in ¾ in. GHT, 1 in. NH or 1 in. NPSH thread complete with a nozzle.

(Please circle preference – ¾ in. GHT recommended.)

## F – Plumbing

All valves to be full port ¼ turn brass ball valves, made in the **USA**, rated at 600 PSI. All plumbing to be stainless steel and rated at 150 PSI minimum (overbuilt by a minimum of a 50% safety factor).

The pump shall be pre-plumbed as follows on the suction side:

- 1) 1 ½” ¼ turn brass ball valved leg into the tank draft port
- 2) 1 ½” Diameter T
- 3) A clear (to allow visibility of water) pvc suction hose with swivel coupling shall connect the pump to eliminate vibration and allow operator to view water flow.
- 4) 1 ½” leg extended to the rear of the body to draft with, which shall have and adaptor and a cap w/ chain in 1 ½” NPSH.
- 5) 1- 1 ½” female NPSH x 1 ½” female NH swivel adapter shall be provided on mounting plate for direct fills or pumping from a hydrant, engine, etc.

On the discharge side, the pump shall be plumbed, via high pressure hose to eliminate vibration, to only 100% stainless steel piping.. Includes the following valved discharges:

- 1) 1” Tank fill/circulate (standard)
- 2) ¾” Hose Reel (standard)
- 3) 1 x 1” Discharge in NH or NPSH w/ cap and chain (please circle preference)
- 4) 1 x 1 ½” Discharge in NH w/ cap and chain (standard)
- 5) Preset pressure relief valve
- 6) A 160 psi stainless steel pressure gauge.

All valves shall be labeled.

## G – Accessories

Two (2) Spanner Wrenches, supplied and mounted.

1 - 1 ½” NPSH x 8’ lightweight Suction Hose

1 - 1 ½” NPSH plastic Foot Valve/Strainer

## H – Hardware

All hardware not limited to bolts, screws, u-bolts, L-brackets, springs, hinges, etc. shall only be **stainless steel**.

## I – Weight

The maximum weight of the entire unit, loaded with water, ready to fight fire shall not exceed the maximum cargo box payload capacity of: 50 & 75 gallon units = 1,000lbs  
100 gal. units = 1,250lbs.

## J - Options

<u>QTY</u>	<u>DESCRIPTION</u>	<u>PRICE</u>	<u>TOTAL</u>
_____	<b><u>Modular Quick Detach Multi-Use Tray</u></b> A ½” thick black, textured, UV resistant polypropylene cradle shall be custom fabricated and attached to the tank top on the passenger side via 4 mounting pins and be of the <b><u>quick detach modular design</u></b> to offer maximum utilization of the body. <b>A. Stokes basket:</b> It shall be designed to rigidly carry a standard size stokes with the 4 straps provided. <b>B. Hose Tray:</b> It shall have the capacity to rack 1,000ft. of 1 ½” forestry hose and capable to deploy the hose while driving. <b>C. Cargo Tray:</b> It shall have a removable rear door (without tools) which stores in the tray when not in use or dropped into position at the rear of the tray to form a cargo/tool tray.	600.00	_____

Dimensions: Approximately 55”L x 26”W x 9” H

NOTE: Stokes not included

NOTE: Water must be drained to transport victim.

**Short Modular Quick Detach Multi-Use Tray**

500.00

- A. Hose Tray:** It shall have the capacity to rack 700ft. of 1 ½” forestry hose and capable to deploy the hose while driving.
- B. Cargo Tray:** It shall have a removable rear door (without tools) which stores in the tray when not in use or dropped into position at the rear of the tray to form a cargo/tool tray.

Please see photos attached.

Dimensions: Approximately 34” or 41”L x 26”W x 9”H

**(This short tray does not extend past the tailgate.)**

**NOT IN THE RESCUE BUSINESS?** One of our first observations as a Wildland firefighter, after we started to build these UTV units, is once you put them in the bed there is no room to carry gear and equipment. And you always have gear to carry (i.e., hand tools, bladder bags, torches, gas cans, saws, food/water), so we added this modular tray to our L-Type skids.

**Foam Induction System**

1,100.00

A **Scotty 4072 Mini** Through the Pump foam eductor/mixing system shall be supplied and installed. The eductor shall have a variable mix ratio for field adjustment. The system shall be hard plumbed into the suction line before the pump, and the discharge side after the pump. The system shall draw from the integral 5 gal. foam cell with sight gauge and shall have a master shut off valve at the Foam cell. **All discharges shall be foam capable.** Approximate wet weight with foam is 56 lbs.

In lieu of Foam Induction System, suggested option due to low weight of 1 lb:

_____	636640 - Scotty Foam Fast with 3 gpm Nozzle utilizing 1” x 6” solid foam sticks in <u>¾” GHT</u> thread.	130.00	_____
_____	636642 - 3-pack of “1 x 6” Phos-chek Foam Sticks	40.00	_____
_____	606605 - Scotty 3gpm Air Aspirating Foam Nozzle	17.00	_____
_____	606606 - Scotty 8gpm Air Aspirating Foam Nozzle	28.00	_____
_____	606238 – ¾” GHT Brass Stubby Nozzle	15.00	_____
_____	608401 – ¾” GHT Brass Long Barrel Nozzle	16.00	_____
_____	608405 – ¾” GHT 5-15gpm Poly Adjustable Fog/Stream Nozzle	20.00	_____
_____	606724 – ¾” GHT 10-23gpm Adjustable Aluminum Fog/Stream Nozzle Bumperless	80.00	_____
_____	606725 – ¾” GHT 10-23gpm Adjustable Aluminum Fog/Stream Nozzle w/Bumper	90.00	_____
_____	606227 – 1” 10-23gpm Poly Adjusting Fog/Stream Nozzle	20.00	_____
_____	606704 - 1” 10-23gpm Adjustable Aluminum Fog Nozzle Bumperless	80.00	_____
_____	606705 - 1” 10-23gpm Adjustable Aluminum Fog Nozzle w/Bumper	90.00	_____
_____	606707 - 1” Rigid Inlet Ball Shutoff w/ ¾” Waterway	145.00	_____
_____	606708 - 1” Swivel Inlet Ball Shutoff w/ ¾” Waterway	155.00	_____
_____	606714 – 1” Twin Tip Forestry Nozzle – NPSH or NH	NPSH 209.00 NH 229.00	_____

**J – Options (Cont.)**

**PRICE**    **TOTAL**

**MytiFlow 3/4" Collapsible Garden Hose with Orange Permatex Treatment with 3/4" GHT Brass Couplings**

_____	1 x 25'	30.00	_____
_____	1 x 50'	50.00	_____
_____	1 x 100'	89.00	_____

**Fireboss 1" Single Jacket Forestry Attack Line with Yellow Permatex Treatment with 1" NPSH or 1" NH Aluminum Forestry couplings**

_____	1 x 25'	57.00	_____
_____	1 x 50'	85.00	_____
_____	1 x 100'	145.00	_____

**Fireboss 1 1/2" Single Jacket Forestry Attack Line with Yellow Permatex Treatment with 1" NPSH or 1" NH Aluminum Forestry couplings**

_____	1 x 25'	72.00	_____
_____	1 x 50'	108.00	_____
_____	1 x 100'	185.00	_____

**SUBTOTAL WITH OPTIONS:** \_\_\_\_\_

**K – Transportation**

Fully crated and shipped via motor freight to the firehouse/fire cache.  
Forklift required. Additional charges may incur for LTL Liftgate Services.

*Proudly built in New Jersey in the U.S.A.!*



## 50, 75, 100 Gallon “L” Shaped UTV Skid Unit

### Weight Estimate Chart

Qty	Item	Weight (in lbs)		
		<u>50 gal.</u>	<u>75 gal.</u>	<u>100 gal.</u>
1	Tank	120	155	175
1	Integral Foam Cell if applicable (22lbs maximum)	N/A	N/A	N/A
1	Wick Water Pump	21	21	21
1	Hose Reel	28	28	28
1	Reel Hose (100ft)	19	19	19
	Suction Hose, Foot Valve, Plumbing, Valves, Hoses, Hardware, Primer, Etc.	49	49	49
	<b>Approximate Skid Weight Subtotal</b>	<b><u>237</u></b>	<b><u>272</u></b>	<b><u>292</u></b>
	Multi-Use Long Poly Stokes Tray	40	40	40
	Stokes Basket	50	50	50
	<b>Approx. Skid Unit &amp; Stokes Dry Weight</b>	<b><u>327</u></b>	<b><u>362</u></b>	<b><u>382</u></b>
	Multi-Use Short Tool/Hose Tray	30	30	30
	<b>Approx. Skid Unit &amp; Tool/Hose Tray Dry Weight</b>	<b><u>267</u></b>	<b><u>292</u></b>	<b><u>322</u></b>
	<b>Water Weight:</b>	<b>410</b>	<b>615</b>	<b>812</b>
	<b>Approx. Total Skid Unit &amp; Stokes Wet Weight</b>	<b><u>737</u></b>	<b><u>977</u></b>	<b><u>1,194</u></b>

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