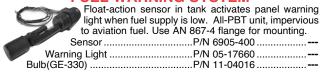
# EL TANKS

#### **FUEL WARNING SYSTEM**



#### **INVERTED PICKUP TUBES**



#### **PICKUP TUBE ADAPTER**

Specially machined AN912 fitting for connecting pickup tube to fuel tank.
For 12" tubes & longer
Specially machined AN912-12D for shorter than 12"
P/N 10380-1

#### **FLOP TUBE ADAPTER** WITH SIDE OUTLET

This fitting eliminates the need to put an angle fitting on standard adapter. 1/4" female pipe thread on side and bottom & 1" male pipe or 3/4" male pipe on bottom. Use with AN867-6 or 8.

1" Male Pipe	P/N 05-20525	
3/4" Male Pipe	P/N 05-20526	

#### ALUMINUM WELDING FLANGES



13" ...... P/N 05-20513 .....---

Part No.	Female Pipe Thread	Dia. "D" In	Height "H" In	Price Each
AN867-1	1/8"	1-1/2	7/16	
AN867-2	1/4"	1-3/4	5/8	
AN867-3		1-7/8	5/8	
AN867-4	1/2"	2	3/4	
AN867-6	3/4"	2-1/4	13/16	
AN867-8	1"	2-11/16"	1"	

## **FINGER STRAINERS**

Finger strainers are strainers for fuel tank outlets. Standard size features a brass fitting with 3/8" male pipe thread which fits AN867-3 welding flange, and 1/4" female pipe thread for valve or fuel line fitting. Screen is 16 mesh brass Large finger strainer has a 3/8"-NPT x 1/2"-M-NPT brass bushing with a T304 stainless steel screen.

Standard .... P/N 05-17700......-Large .... P/N 05-04445 .....----

#### **RAVEN HEADER TANKS**

Header tank used for any aerobatic aircraft such as Pitts 



#### **RAVEN WING TANKS**

Wing tank used to hold extra fuel or smoke oil in top wing of aerobatic biplanes.

S1-S Wing Tank	P/N 05-00914	
	P/N 05-00915	
Experimental S2, Eagle Wing Tan	kP/N 05-00916	

#### STRUT FOOTBALL FUEL TANKS



5 gallon strut tank with filler cap and pick up cap. Made from see through Cross Link Polyethylene (XLPE) which prevents material breakdown due to ethanol use. This tank may be mounted right on

the strut and allows for easy access for filling and viewing to check fuel levels. Experimental Only......P/N 05-12347...

#### MICROGRID LIGHTNING STRIKE PROTECTION



MicroGrid precision expanded strike protection in composite aircraft structures. In fact, MicroGrid is used by Boeing, Embraer, and many other aircraft manufacturers. MicroGrid's single unit structure is superior because it can't unravel like woven wire. Nor is costly material removed as in etching or stamping.

The appropriate gauge and pattern of material is easily adhered to the composite for 200,000

amps of conductivity. Aircraft are easily repaired after a lightning strike by simply sanding away the surface to apply a patch of new MicroGrid. And fantastically flexible MicroGrid easily conforms to a variety of shapes and contours in both manufacture and repair. It can be bent, shaped and laminated with a variety of materials, including those which expand, contract and flex.

#### LUMINUM OR COPPER MICROGRID

Aluminum MicroGrid is ideal for most composite aircraft structure applications and is nearly half the weight of the copper MicroGrid. Copper MicroGrid is recommended for use with carbon fiber structures. Two layers of MicroGrid are recommended over fuel tank applications.

Aluminum MicroGrid (37" w	ide)P/N 05-02631 <b> ft.</b>
Copper MicroGrid (18" wide	e)P/N 05-02632 <b> ft.</b>

	Aluminum	Copper
Weight - Lbs./SF	0.016	0.029
Base Metal Thickness	0.004 inch	0.003 inch
LWD	0.080 inch	0.125 inch
Overall Thickness	0.006 inch	0.005 inch
Open Area	68%	77%



**PITTS** SPECIAL **FUEL TANK** 

#### **OPTIONAL TANK INSTALLATIONS**

Sight Gauge (Fittings and Tubing) for Pitts or Skybolt Tanks - no installation charge. P/N 05-29000 .....

FLOP TUBE, LOW FUEL LEVEL WARNING, FLUSH FILLER CAP ARE AVAILABLE. **CALL FOR PRICING.** 

#### **FUEL TANK HOLD DOWN STRAPS**

Fabricated from .035 stainless steel. Straps are

#### **ANTI-CHAFE CHANNEL FOR FUEL TANK STRAPS**

Neoprene rubber extrusions to hold 1" wide metal fuel tank straps. 

### **ALUMINUM FUEL TANKS**

Design	Capacity (Gallons)	Main Tank	Part No.	Tank for Inverted Flight	Part No.	Each Wing Tank	Part No.
Acro-Sport II	24				05-18510		
Baby Greatlakes	10		05-03058				
Cougar	23		05-18600				
Cuby	12.5		05-18700				
EAA Bi-Plane	16		05-18800				
Fly Baby	14		05-18900				
Hatz Bi-Plane	18						05-19020
Mustang I	16		05-19100				
Mustang II	27		05-19200				
Pitts Special	19				05-19310		
Pober Pixie	12	(Send Drwg.	05-19400)				05-19420
Skybolt	29				05-19510		05-19520
Smith Miniplane	16		05-19600				
Starduster I	18		05-19700		05-19710		05-19720
Starduster II	26		05-19800		05-19810		05-19820
Tailwind			05-19950				

# 1"wide x 36" long. For VariViggen Starduster SEE PRO-SEAL TANK SEALANT AND SLOSHING COMPONENTS IN COVERING SUPPLIES SECTION & others .......... P/N 05-20400 .............---

CAUTION: Electric sender should not be installed in a tank with flop tube to prevent possible entanglement. Tank should be free of everything but flop tube. Use sight gauge with flop tube. Prices are based on tanks manufactured to the original plans as issued by the designer. Minor modifications such as changes in tank fitting sizes or locations can be made at additional charge. Please submit all pertinent data with respect to desired changes at time of order.

ALLOW 2-3 WEEKS DELIVERY TIME ON ALL TANKS.

CUSTOM TANKS AVAILABLE: SEND BLUEPRINT OR SKETCH FOR QUOTATION ADD \$15.00 BOX CHARGE FOR CRATING TANKS FOR SHIPMENT