

FMES Parts							
Qty	Description	Distributor	Distrib. #	Mfr. #	Mfr.	Each	Notes
4	90° 1/2" CPVC Drop ear elbow	Lowes	55601	53056Y	Genova	\$0.82	Drop-ear elbows are only available in CPVC.
or	(Also called a "Wing elbow")	Lowes	380054	DE4106005RMC	Lasco	\$1.08	Home Depot carries very few CPVC fittings.
2	1/2" CPVC Cap	Lowes	23763	50155Y	Genova	\$0.31	Dave used the Genova brand fittings.
or	" "	Lowes	380020	4147005RMC	Lasco	\$0.26	Fitting sizes are CTS - "Copper tube size".
1	1/2" x 5' CPVC Tubing	Lowes	23811	37.055	Silver-Line	\$2.57	Straight pieces are better than coiled.
1	8-oz FlowGuard Gold CPVC Cement	Lowes	37627	31911L	Oatey	\$6.48	FlowGuard Gold does not require a primer.
1'	0.041" Stainless wire - Soft temper	McMaster	6517K22			\$11.57	Package of 50 1' pieces
10"-12"	6063-T52 Aluminum Square Tube (4" x 0.125")	Online				\$14.96	Random length 10"-12"
10"-12"	6063-T52 Aluminum Rectangle (4" x 0.125")	Online				\$3.65	Random length 10"-12"
1	Fine-Adjustment Thumb Screw with Plastic Head, 3/16"-100 Thread, 1" Long	McMaster	97424A140			\$19.62	
1	5/16" Long Brass Bushing for 3/16"-100 Thread Fine-Adjustment Set Screw	McMaster	98625A320			\$6.88	
8	Angle Bracket for #8B screws			C6264-8Z	Tinnerman		
8	Stainless, Pan Head Phillips Screw, 18-18 x 5/16"	McMaster	92525A422			\$5.60	Box of 100
1	Gradiated thumbscrew head	McMaster	93228A400			\$1.88	To allow calibrated tilt testing
<b>Electrolyte solution</b>							
1 qt	Pure Propylene Glycol	many	<a href="https://www.amazon.com/dp/B005PZBRUC?m=A1BTXS4AAA5KQS">https://www.amazon.com/dp/B005PZBRUC?m=A1BTXS4AAA5KQS</a> Try this:			\$13.00	1 fill requires ~ 12ml
	Distilled Water	local					1 fill requires ~ 12ml
30g	DiPotassium Phosphate K <sub>2</sub> HPO <sub>4</sub> Sometimes called 'dibasic' NOT KH <sub>2</sub> PO <sub>4</sub> Go by the formula.	a few	<a href="http://www.ebay.com/itm/271632360031">http://www.ebay.com/itm/271632360031</a>			\$35.12	1 fill requires ~ 0.1g
<b>From Manufacturer's Catalogs</b>							
	<b>Description</b>			<b>Mfr. #</b>	<b>Mfr.</b>		
	1/2" CPVC Cap			50155	Genova		
	90° 1/2" CPVC Drop ear elbow			530561	Genova		
	1/2" x 5' CPVC Tubing			50025	Genova		
	1/2" CPVC Cap			4147005	Lasco		
	90° 1/2" CPVC Drop ear elbow			DE4106005	Lasco		
	<b>Distributors</b>						
	Lowe's	Lowes		lowes.com			
	McMaster	McMaster Carr		mcmaster.com			
	Online	Online Metals		onlinemetals.com			
	Wholesale	Wholesale Marine		wholesalemarine.com			
	<b>Manufacturers</b>						
	Lasco			<a href="http://lascofittings.com/category/cpvc-cts">http://lascofittings.com/category/cpvc-cts</a>			
	Genova			<a href="https://www.genovaproducts.com/docs/PlumbingCatalog.pdf">https://www.genovaproducts.com/docs/PlumbingCatalog.pdf</a>			
				p55 in September 2015 catalog			