

# PREMIER

## Fuel Systems Ltd



All Premier standard fuel bladders comply with the FIA FT-3 specification and are available in three styles. Plain bladders with no internal fixtures or fittings, or an internal collector version with 4-flap collector and baffles, or an external sump version with an aluminium external sump to incorporate the fuel pick-ups. Premier also manufacture aluminium cases to suit the whole range of bladders. Cover plates must be ordered separately.

FIA STANDARD FUEL BLADDER COVER PLATES		
1	Cover Plate 2" 45 Degree Filler Neck	2701CP
2	Cover Plate 2" Straight Filler Neck	2702CP
3	Cover Plate 2" Screw Cap Filler Neck	2703CP
	Cover Plate with 2" 90 Degree Filler Neck	2704CP

Each Premier standard fuel bladder cover plate is complete with 4 x -6 bulkhead fittings, and a choice of 4 different central filler fittings.



FIA FT-3 SPECIFICATION STANDARD FUEL BLADDER					
Capacity	Dimensions	Standard	Internal Collector	External Sump	Aluminium Case
10 Ltr	200 x 200 x 260mm	0600FC	0620FC	0640FC	0660FC
15 Ltr	255 x 240 x 260mm	0601FC	0621FC	0641FC	0661FC
20 Ltr	390 x 210 x 260mm	0602FC	0622FC	0642FC	0662FC
30 Ltr	510 x 240 x 260mm	0603FC	0623FC	0643FC	0663FC
45 Ltr	510 x 345 x 260mm	0604FC	0624FC	0644FC	0664FC
60 Ltr	635 x 390 x 260mm	0605FC	0625FC	0645FC	0665FC
80 Ltr	625 x 510 x 260mm	0606FC	0626FC	0646FC	0666FC
90 Ltr	710 x 510 x 260mm	0607FC	0627FC	0647FC	0667FC
100 Ltr	800 x 510 x 260mm	0608FC	0628FC	0648FC	0668FC
120 Ltr	910 x 510 x 260mm	0609FC	0629FC	0649FC	0669FC



Premier MIL SPEC explosion suppressant foam is available. Three main grades listed below.

Safety Foam	
Type IV Blue	S102
Type V Yellow	S105
Type B Black	S108



Premier hold a vast range of patterns and specifications for application specific fuel bladders. Premier manufacture fuel bladders for both modern and historic race cars. Listed here are just a few of the 1000's of types that premier manufacture. All fuel bladders are also available in light weight Kevlar.

PREMIER CUSTOM FUEL BLADDER				
	Capacity	Bladder	Aluminium Cover	Composite Cover
	Caterham	55 Ltr	0802FC	
10	Mitsubishi Evo Grp N	80 Ltr	0810FC	0812FC
	Mitsubishi Evo Grp A (2 x Int. Bosch Pumps, Mil Spec Loom)	80 Ltr		
11	Mitsubishi Evo Grp N (Underfloor Type)	70 Ltr	0825FC	0826FC
12	Subaru Impreza Grp N	70 Ltr		
13	Subaru Impreza Grp N Fuel Bladder (Horse Shoe Style)	80 Ltr		
	Subaru Impreza Grp A	75 Ltr		
	Subaru Impreza Grp N Under Floor		0827FC	0828FC
14	Ferrari F40 Left and Right Hand		0800FC	
	Metro 6R4 Left and Right Hand		0801FC	
15	Ford GT40 Left and Right Hand			
	Ferrari F360/F430			



Premier stock the GS type induction fuel level senders ranging from 4" to 60" in length we also stock the dash mounted gauges. Please note these sender units can be cut to size to suit any application.



Sender Units and Gauges		
4	4" - 12" GS Fuel Level Sender	0995SU
5	12" - 24" GS Fuel Level Sender	0996SU
	24" - 36" GS Fuel Level Sender	0997SU
	36" - 48" GS Fuel Level Sender	0998SU
	48" - 60" GS Fuel Level Sender	0999SU
6	GS Fuel Level Gauge	0981SU

A wide range of tubular VDO sender units, from 100mm to 700mm and gauges are available.



Sender Units and Gauges		
	VDO Senders 100mm - 700mm	
7	VDO Fuel Level Gauge	0980SU
	VDO 8mm Spacer	0983SU
8	VDO 15mm Spacer	0984SU
9	Low Level Switch	0990SU

All products listed are correct at the time of going to print. Specification may change without prior notice.

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### FIA REFUELLING EQUIPMENT

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#### 1 1/2" FIA REFUELLING VALVES

1	1 1/2" Male Refuelling Valve	0001RV
2	1 1/2" Twin Female Refuelling Valve	0010RV
3	1 1/2" Female Refuelling Valve	0012RV



#### SINGLE POINT FILL / VENT

9	2" Fill / Vent Refuelling Valve Male	0020RV
	2" Fill / Vent Refuelling Valve Female	0021RV
	2" Fill / Vent Refuelling Valve Remote Mount	0022RV



#### REFUELLING VALVE HANDLES

	2" Twin Vertical Valve Handle	0200RH
10	2" Twin Horizontal Valve Handle	0201RH
11	2" Single Valve Handle	0202RH
	1 1/2" Single Valve Handle	0203RH
	1 1/2" Twin Vertical Valve Handle	0204RH
	1 1/2" Twin Horizontal Valve Handle	0205RH



#### FIA REFUELLING VALVE MANIFOLDS

	2" Single Swaged Manifold	0101RM
14	2" Twin Swaged Manifold	0102RM
	2" Single-Twin Swaged Manifold	0105RM
	2" Single Wiggins Manifold	0103RM
	2" Twin Wiggins Manifold	0104RM
15	2" Single-Twin Wiggins Manifold	0106RM
	1 1/2" Single Swaged Manifold	0100RM
16	1 1/2" Swaged Manifold	0107RM

#### 2" FIA REFUELLING VALVES

4	2" Male Refuelling Valve	0005RV
5	2" Female Refuelling Valve	0007RV
6	2" Female Refuelling Valve with Manifold	0008RV
7	2" Female Twin Refuelling Valve	0009RV
8	2" Female Single Refuelling Valve on Twin Flange	0011RV
	2" Male Valve Seal Kit for Unleaded Fuel	4060VS
	2" Male Valve Seal Kit for E85 Fuel	4061VS



#### HISTORIC / VINTAGE REFUELLING VALVES

12	Historic / Vintage Female Refuelling Valve	0030RV
13	Historic / Vintage Male Refuelling Valve	0031RV



#### FILLER CAPS AND ACCESSORIES

20	Locking Filler Cap (interchangeable with 0007RV)	0050RV
21	Locking Filler Cap on Twin Flange (interchangeable with 0009RV)	0051RV
	1 1/2" Filler Funnel	0120RM
	2" Filler Funnel	0121RM
22	2 1/4" Filler Funnel	0123RM
	2 1/2" Filler Funnel	0122RM



#### FIA REFUELLING BOTTLES

	20 Ltr Refuelling Bottle	0303RB
17	25 Ltr Refuelling Bottle	0304RB
	20 Ltr Vent Bottle	0305RB
	25 Ltr Vent Bottle	0306RB
	20 Ltr Twin Top Bottle	0307RB
18	25 Ltr Twin Top Bottle	0308RB
	20 Ltr Fill / Vent Bottle	0320RB
19	25 Ltr Fill / Vent Bottle	0321RB



#### FIA REFUELLING RIG AND ASSOCIATED PARTS

23	FIA Refuelling Rig Assembly (200Ltr) (FIA Appendix J 252-7)	0400RR
24	Refuelling Rig Leg Assembly	0401RR
25	1 1/2" Smooth Bore Fill Hose x 5 Mtr	0550HA
26	1 1/2" Convuluted Vent Hose x 5 Mtr	0553HA
27	FIA Restrictor 33mm (FIA Appendix J 258-3)	0403RR
28	FIA Restrictor 29.5mm (FIA Appendix J 258)	0426RR
29	FIA Restrictor 38mm (ACO Appendix A / 10)	0427RR
30	Refuelling Rig Flame Arrestor Assembly	0406RR
30a	Discriminator Valve	0404RR
30b	-32 Wiggins Clip x 2	0507HA
30c	Refuelling Rig Flame Trap Manifold	0408RR
30d	Refuelling Rig Flame Trap 'U' Section	0411RR
	Refuelling Rig Heat Reflecting Cover	0402RR
	Refuelling Rig Pit Lane Trolley	0420RR
	FIA Refuelling Rig Pit Lane Trolley Air Line Boom	0421RR
	FIA Refuelling Rig Sight Gauge (FIA Appendix J 258)	0423RR
31	FIA Vent Hose Drain Bottle	0425RR



#### FIA REFUELLING RIG SNAPLOCK ACCESSORIES

32	FIA 1 1/2" Self Closing Valve	0409RR
33	1 1/2" Snaplock to 1.5" Hose	0514HA
34	1 1/2" Snaplock to 57mm Hose	0512HA
35	1 1/2" Snaplock Dust Plug	0513HA
36	1 1/2" Snaplock Dust Cap	0516HA
37	1 1/2" BSP Female to 1 1/2" Snaplock	0517HA
	1 1/2" BSP Male to 1 1/2" Snaplock	0515HA

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FIA ROLL OVER AND PRESSURE RELIEF VALVES		
1	Automatic Fuel Cut-Off Valve Appendix 'J'	0918FV
2	FIA Pressure Relief Valve -6/6 Appendix 'J'	0924FV
3	-6 In-Line Check Valve	0908FV
4	Roll-Over Valve -6/6	0921FV
5	Roll-Over Valve -6/8	0916FV

STAUBLI VALVES AND ACCESSORIES		
6	Male Staubli Valve N 009 162 98	0919FV
7	Female Staubli Valve N 009 161 98	0920FV
8	-12 Male to Staubli Male Adaptor	0930FV
9	-12 Male to Staubli Female Adaptor	0931FV
10	Female Staubli Valve Handle to suit 7	0932FV
11	Female Staubli Valve Sleeve	0933FV
12	90 Degree -12 Staubli Bulkhead Adaptor	0938FV
13	60 Degree -12 Staubli Bulkhead Adaptor	0936FV
14	60 Degree -12 Staubli Short Bulkhead Adaptor	0937FV
	-6 Staubli Male with Lanyard SPT 08.7655 'LLUV	0941FV
	-6 Staubli Female with Lanyard SPT 08.3656 'LLUV	0942FV
	-8 Staubli Male with Lanyard SPT 08.7656 'LLUV	0943FV
	-8 Staubli Female with Lanyard SPT 08.3656 'LLUV	0944FV



FUEL CELL INTERNAL FLAP VALVES		
15	Filter Neck Flap Valve	0950FV
16	Walbro Fuel Pick-up "Shut-off"	0840PA
17	Square Internal Flap Valve	0900FV
18	1.5" Internal Flap Valve with 'O' Ring Seal	0905FV
19	1" Internal Flap Valve with 'O' Ring Seal	0903FV

A vast range of fuel pumps, varying from Low-pressure in-tank submersibles all the way up to the Bosch Motorsport 10 bar pressure pump. Listed below is a small selection of Premier's stock.

FUEL PUMPS			
		Without -6 Fitting	With -6 Fitting
20	Submersible Low Pressure AC Pump	0705FP	0752FP
21	Submersible Medium Pressure AC Pump	0706FP	0753FP
22	Submersible High Pressure AC Pump	0707FP	0754FP
23	Bosch Pump 0580-254-044	0713FP	
	Bosch Pump 0580-254-979	0714FP	
24	Bosch Motorsport Pump ( 10 Bar)	0718FP	



Premier hold in stock a range of fuel filters to suit every application, together with many adaptors to connect the filters to pumps and hose lines. Listed below is a small selection of the Premier range.

FUEL FILTERS		
25	60 Micron 50/50 Sock Filter	0800PA
26	60 Micron 60/40 Sock Filter	0801PA
27	60 Micron Round Filter	0802PA
28	Bosch Canister Filter F5021	0803PA
29	VDO Fuel Filter	0805PA
	60 Micron Round Filter with M14	0806PA
	60 Micron Round Filter with M16 Thread	0807PA



Premier stock an extensive range of fuel rails for use with bango bolts or for connection directly to the fuel pumps.



FUEL RAILS		
31	12mm to M14 Female Fuel Rail	0852PA
32	14mm to M12 Female Fuel Rail	0853PA
33	12mm Blind Pump to Filter	0854PA
34	M12 x 1.25 Dome Nut	0856PA



Premier supply a range of fuel pump harnesses and electrical connectors, along with low-level switches, all available on request.

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All Premier fuel bladders are manufactured to meet any specification requirements, be it FIA FT3—FT5, USAC or SCCA. Premier bladders are unique in that they are resistant to both alcohol and gasoline based fuels. All bladders can be assembled to include a wide range of different baffle, collector and sump designs. Built in our dedicated engineering department, these can be to the customers own design or to a Premier design based on over 30 years of experience and research in high specification fuel bladder construction.



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