

ATL manufacture a wide range of fuel cells for race and rally teams worldwide including Aston Martin, Mercedes, McLaren, Audi, BMW Motorsport, Lotus Cars, Peugeot Sport and Caterham. For 2012, ATL are proud to be sole supplier, for the 16th successive year, to the entire F1 grid as well as being the new chosen supplier for the BTCC (NGTC) and DTM championships. ATL can also manufacture one off bespoke fuel cells to comply to all FIA Standards.



1 SAVER CELLS

Manufactured from unique ATL565 material, supplied fully foam baffled with 1 x 6" x 10" top plate, 2 x -6 fuel pickups, 1 x -6 rollover vent valve, 1 x -6 rollover vent valve, Ø 2 1/4" non-return filler neck with integral valve. (Note: SA105 is fitted with 4" x 6" top plate, 1 x -6 fuel pick up and filter, 1 x -6 rollover vent and 1 x Ø 2 1/4" filler neck with safety valve and cap. FIA/FT3-1999 approved.



Capacity	Alloy Container External Dimensions:	Saver Cell Part No.	Alloy Container Part No.
20L	350 x 350 x 240mm	(SA-AA-030)	(SA-AA-031)
30L	534 x 326 x 240mm	(SA-AA-040)	(SA-AA-041)
40L	638 x 337 x 270mm	(SA-AA-050)	(SA-AA-051)
45L	531 x 464 x 250mm	(SA-AA-060)	(SA-AA-061)
60L	633 x 461 x 250mm	(SA-AA-070)	(SA-AA-071)
80L	673 x 673 x 225mm	(SA-AA-080)	(SA-AA-081)
80L	658 x 440 x 355mm	(SA-AA-090)	(SA-AA-091)
80L	881 x 459 x 250mm	(SA-AA-100)	(SA-AA-101)
100L	777 x 461 x 375mm	(SA-AA-110)	(SA-AA-111)
100L	661 x 443 x 445mm	(SA-AA-120)	(SA-AA-121)
120L	671 x 671 x 340mm	(SA-AA-130)	(SA-AA-131)
120L	671 x 496 x 445mm	(SA-AA-140)	(SA-AA-141)
120L	888 x 462 x 377mm	(SA-AA-150)	(SA-AA-151)
120L	646 x 441 x 560mm	(SA-AA-160)	(SA-AA-161)
170L	671 x 671 x 445mm	(SA-AA-170)	(SA-AA-171)

All fuel cells experience some swelling when subjected to fuels (approx. 2-4% linear), therefore allow 2 weeks of fluid contact for Racell and Saver Cell bladder dimensions to stabilise.

Mandatory for MSA Regulations, all Saver Cells have to be fitted with a Saver Spill Tray. For injected engines, please fit an Internal Collector or Catchtank System. Contact our technical sales team for more information.

2 SAVER 'D' CELLS

Capacity	Dimensions (ØxH)	Part No.
30Litre	Ø 550 x 160mm	(SA-AA-180)
30Litre*	Ø 550 x 160mm	(SA-AA-182)
45Litre	Ø 550 x 205mm	(SA-AA-190)
45Litre*	Ø 550 x 205mm	(SA-AA-192)

D Cells also available in ATL lightweight rubberised fabric for weight savings. Fabric cells can comply to either FIA/FT3-1999 or FIA/FT3.5-1999. *Shown with optional internal collector and rear outlet/return plate.



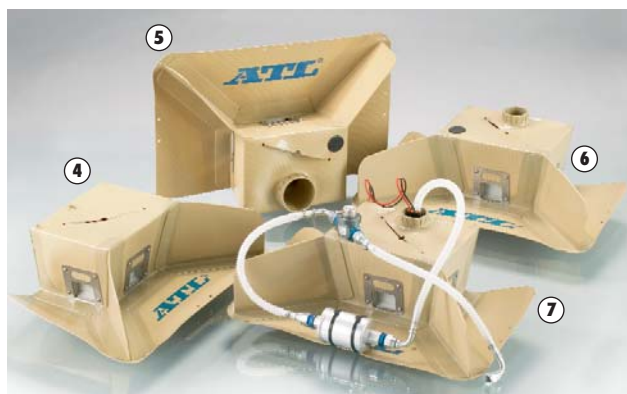
Saver 'D' Cell



Racell Fuel Cell

3 RACELL FUEL CELLS

Capacity	Dimensions (LxWxH)	Part No.
10Litre	203 x 203 x 381mm	(SA-AA-010)
20Litre	254 x 254 x 457mm	(SA-AA-020)

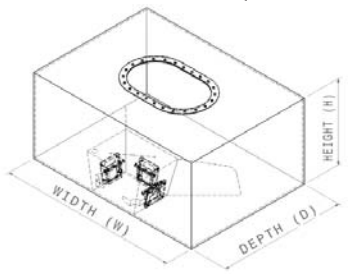


INTERNAL COLLECTOR SYSTEMS

- 4 Internal collector system 3.0Litre - no pump mounts.# (CL-AA-023)
 - 5 Internal collector system 3.0Litre - with 1 pump mount to suit Bosch pump.# (CL-AA-026)
 - 6 Internal collector 3.0Litre with 1 pump mount to suit AC and Walbro pumps. Can also accept PRV housing.# (CL-AA-024)
 - 7 Return-less System fitted with 1 x 5 bar (210Litre/hr) pump (PU-AB-050), Filter (FT-AC-003) and PRV Housing (PRV not included).# (CL-AA-029)
- Internal Collector 3.0Litre with 2 pump mounts to suit AC and Walbro Pumps. Can also accept PRV Housing.# (CL-AA-027)
- #Pumps not included. *Bosch pump version also available.

DESIGN YOUR OWN FUEL CELL

ATL are able to offer a custom design service. Call our sales team for a spec sheet or email a simple dimensioned sketch to sales@atlltd.com for a quote.



Rallye Raid Cells



Many more vehicle specific tanks available. Please call or visit our website.



FUEL CELLS

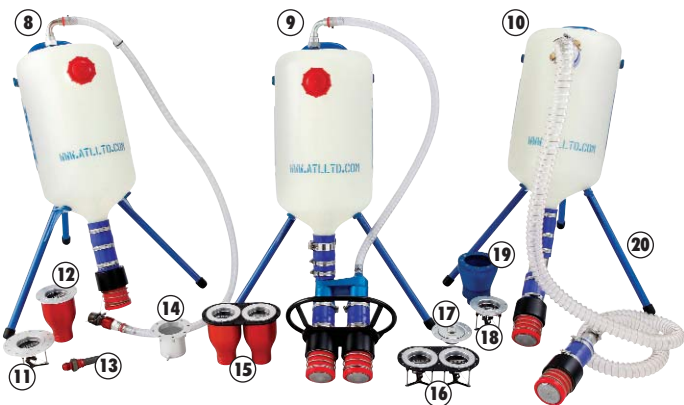
Mitsubishi Evo 10 Rally Grp N Cells



Historic Race Cells

REFUELLING BOTTLES AND ACCESSORIES

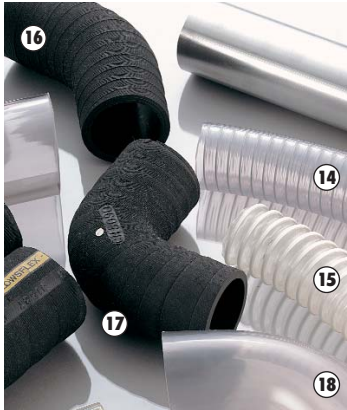
Options	8 Single - 12 Vent Part No.	9 Double Vent Part No.	10 Remote Vent Part No.
1.5" Straight	(RE-AA-009)	(RE-AA-005)	(RE-AA-014)
1.5" 135	(RE-AA-010)	(RE-AA-006)	(RE-AA-015)
2" Straight	(RE-AA-011)	(RE-AA-007)	(RE-AA-016)
2" 135	(RE-AA-012)	(RE-AA-008)	(RE-AA-017)
			Part No.
11	Female dry break valve single 2" 120.6mm 12 bolt PCD tank mount		(RE-AG-010)
12	Female dry break valve single 2" to suit 2.25" hose remote mount		(RE-AG-012)
13	Staubli quick disconnect fitting -12 male plug panel mount		(TF-AD-020)
14	Housing to suit above -12 Staubli vent carside 101.6mm 8 bolt PCD		(RE-AB-021)
15	Female dry break valve dual 2" to suit 2.25" hose remote mount		(RE-AG-021)
16	Female dry break valve dual 2" tank mount oval		(RE-AG-020)
17	ATL engraved flush cap 101.6mm 9 bolt PCD non locking		(FL-AB-018)
18	Female dry break valve single 2" 101.6mm 9 bolt PCD tank mount		(RE-AG-009)
19	Fireguard neck funnel to suit item 17 or 18 101.6mm 9 bolt PCD to suit 2.25" hose		(FL-AC-510)
20	ATL bottle stand to suit items 8, 9 or 10		(RE-AB-001)



ATL's dry break couplings can provide refuelling rates of up to 8 Litres per second.

FILTERS AND VENT VALVES

	Part No
1 Filter sock fabric 74 micron Walbro offset T	(FT-AB-003)
2 Filter sock fabric 74 micron-06 hose tail	(FT-AB-005)
3 Filter pre-pump st-steel 60 micron M14X1.50	(FT-AB-022)
4 Filter pre-pump st-steel 60 micron M18X1.50	(FT-AB-023)
5 Filter sock fabric 74 micron AC offset T	(FT-AB-001)
6 Filter post-pump paper 25 micron -06	(FT-AC-003)
7 Valve vent Ø8mm 50mbar blow off 5mbar vacuum	(TF-AF-009)
8 Valve vent Ø11mm float inline to suit -06 hose	(TF-AF-004)
9 Valve vent FIA -06 rollover float 200mbar	(TF-AF-019)
10 Valve vent -06 50mbar blow off 5mbar vacuum	(TF-AF-008)
11 Valve vent assy. -06 rollover	(TF-AA-350)
12 Valve vent assy. -12 rollover	(TF-AA-353)
13 Valve vent assy. -06 JIC rollover float	(TF-AA-475)



FUEL FILLER HOSES

Size/Capacity (Diameter)	Colour	Part No.
14 Ø1.50" (38mm) rig refuelling hose (smoothbore)	Clear	(RE-AJ-018)
15 Ø1.50" (38mm) rig refuelling hose (lightweight)	Clear	(RM-AB-001)
Ø2.00" (51mm) Refuelling hose, smoothbore, wire reinforced	Clear	(RM-AB-013)
Ø2.00" (51mm) Lightweight/flexible	Black	(RM-AB-011)
Ø2.00" (50mm) smoothbore	Black	(RM-AB-012)
16 Ø2.00" (51mm) 45° elbow (each)	Black	(RE-AE-019)
17 Ø2.00" (51mm) 90° elbow (each)	Black	(RE-AE-020)
18 Ø2.25" (57mm) 45° elbow (each)	Clear	(RE-AE-008)
Ø2.25" (57mm) Refuelling hose, smoothbore, wire reinforced	Clear	(RM-AB-024)
Ø2.25" (57mm) Smoothbore	Black	(RM-AB-023)
Ø2.25" (57mm) 45° elbow (each)	Black	(RE-AE-007)
Ø2.25" (57mm) 90° elbow (each)	Black	(RE-AE-009)
Ø2.25" (57mm) lightweight/flexible	Black	(RM-AB-021)
Ø2.25" (57mm) smoothbore	Clear	(RM-AB-022)
Ø2.50" (63mm) Lightweight, flexible hose	Black	(RM-AB-031)
Ø3.50" (89mm) aluminium fire guard	Alloy	(RM-AB-041)

Hose is sold per metre.
Items 14 and 15 sold in either 5m or 10m length only.



19 Baffle Foam

Internal safety foam reduces fuel slosh, aids fuel pickup and suppresses explosion. Custom sizes can be individually cut (note: cutting charge will apply). Price per cu.ft (28 Litres)
 Yellow (petrol) (FM-AB-001)
 Blue (for diesel, methanol and water) (FM-AB-002)



FUEL LEVEL GAUGES

Level gauge systems only work with negative earth electrical systems. Sender operates at 240 Ohms empty to 33 Ohms full or 0-5v. Senders can be cut to length and calibrated (by customer) to suit depth of fuel cell. (Not less than 200mm)

20 Fuel level dashboard gauge. 240-33 Ohms	(EL-AD-068)
21 Fuel sender probe 540mm. 240-33 Ohms. For use with gauge*	(EL-AD-151)
22 0-5V. For use with telemetry*	(EL-AD-152)
23 -6 Dipstick fitted with alloy cap (up to 300mm tank depth)	(EL-AD-500)

***Only suitable for use with EU standard pump fuel.**

24 VOLUME DISPLACEMENT BALLS

Volume displacement balls 0.18 Litres/0.04 gal	(AC-AC-005)
Volume displacement balls 0.52 Litres/0.11 gal	(AC-AC-006)
Volume displacement balls 1.77 Litres/0.39 gal	(AC-AC-007)



FUEL PUMPS AND WIRING

31 AC low pressure pump, 126 l/hr @ 0.21 bar, in-tank only	(PU-AC-010)
32 AC low pressure pump, 126 l/hr @ 0.21 bar, in-tank only, -6 JIC takeoff	(PU-AC-011)
33 VDO low pressure pump, 126 l/hr @ 0.21 bar, in-tank only	(PU-AC-020)
34 VDO low pressure pump, 126 l/hr @ 0.21 bar, in-tank only	(PU-AC-021)
35 Bosch high pressure pump, 165 l/hr @ 5 bar, M14/M12 ends	(PU-AB-020)
36 Bosch high pressure pump, 200 l/hr @ 5 bar, M18/M12 ends	(PU-AB-030)
37 Bosch high pressure pump, 200 l/hr @ 8 bar, M18/M12 ends	(PU-AB-040)
38 Walbro 401 low pressure pump, 110 l/hr @ 1.5 bar, in-tank only	(PU-AC-030)
39 Walbro 340 high pressure pump, 200 l/hr @ 5 bar, in-tank only	(PU-AB-050)
40 Walbro 392 high pressure pump, 140 l/hr @ 5 bar, M10/M10 ends	(PU-AB-060)
41 Single mount (carbon) to suit Bosch pump or filter (Ø60mm)	(CL-AF-050)
42 Double banjo union (M12), nuts and washers not included	(PU-AD-001)
43 Double banjo union (M18), nuts and washers not included	(PU-AD-003)

ELECTRICAL CONNECTORS

4 pin Military conn. (male tank side and female car side) and 1m loom	(EL-AA-004)
6 pin Military conn. (male and female) and 1m loom	(EL-AA-005)
2 pin clubman electrical connector set	
(bulkhead and quick-disconnect set, 14-16 gauge wire)	(EL-AA-001)



FLUSH FILLER CAPS AND FUNNELS

25 Ø 3" PCD, tank mount, non locking	(FL-AB-001)
Ø 3" PCD tank mount locking	(FL-AB-002)
26 Ø 3" PCD wing mounted non-locking, Ø 50/57mm neck	(FL-AB-004)
Ø 3" PCD wing mount, locking, Ø 50/57mm neck	(FL-AB-003)
27 Ø 4" PCD tank mount, non-locking	(FL-AB-011)
Ø 4" PCD tank mount, locking	(FL-AB-012)
Ø4" PCD, tank mount, locking (9 bolt)	(FL-AB-013)
28 Ø 4" PCD, Ø 2" funnel for item 3	(FL-AC-503)
Ø 4" PCD, Ø 2 1/4" funnel for item 3	(FL-AC-504)
29 Ø 2" straight filler neck, screw cap on Ø3" PCD plate	(FL-AA-004)
30 Ø 43/4" PCD, tank mount, non-locking	(FL-AB-021)

