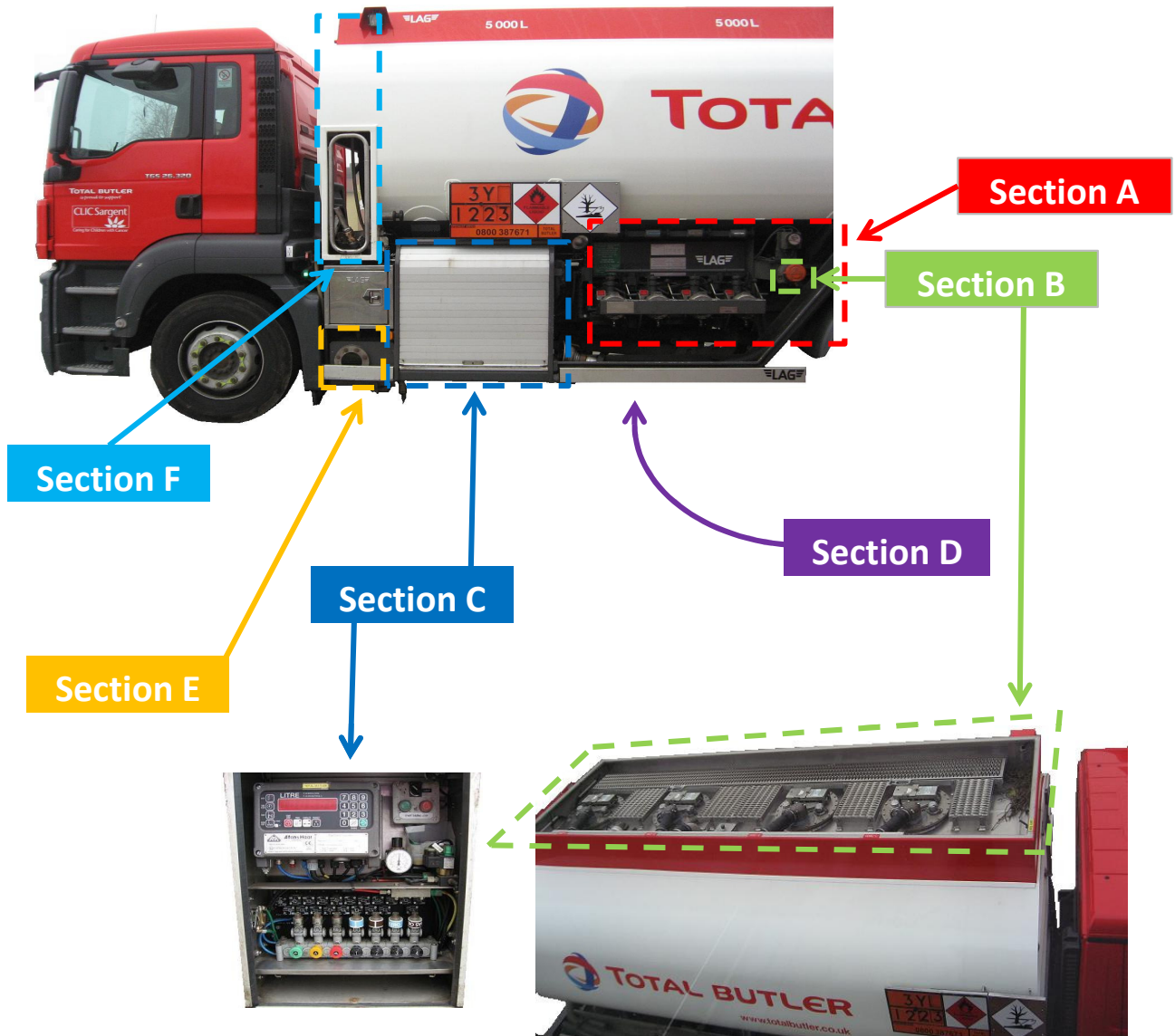


**Alfons Haar**

**Commercial Fuel Products  
Catalogue 2011**

**Alfons Haar Ltd, Unit 6, Apex Way, Leeds, LS11 5LN  
Tel: 0113 243 6565 Fax: 0113 243 6622**

## Tank Components








- A. API Valves, foot valves, manifold
- B. Coaming and compartment vents, hoses, overfill prevention, vapour recovery
- C. Control boxes, metering and air system
- D. Pumps, filters, bulk valves
- E. Product additive
- F. Hose reel

## Section A


### API Valves, foot valves, manifold

#### Foot valves


Item	Part Number	Image
PBVM 100/100 U FL90 P Foot valve not pressure balanced, standard profile (new designation TBC)	2157083	
PBVM 100/100 S FL90/15P As above but pressure balanced (new designation TBC)	2146275	
PBVO 100/100 U FL90 P Foot valve, non pressure balanced, low profile (PBV 100 25 A 90 U)	2165245	
PBVO 100/100 S FL90/15P As above but pressure balanced (PBV 100 25 A 90 S)	2165434	
PBVL 100/100 U FL90 P Foot valve no pressure balanced, standard profile (PBV 100 115 A 90 U)	2166414	
PBVL 100/100 S FL90/15P As above but pressure balanced (PBV 100 115 A 90 S)	2132646	

Foot valve gasket (Graphite, 216 x 145mm)	UK019B	
Strainer assembly With fixing bolts	S144924	


#### MAPI valves

Item	Part Number	Image
MAPI 100 B1-S+C Complete with sight glass and cap	1715590	
MAPI 100 B1-O Without sight glass, with bronze ring	1712710	
MAPI 100 B1-S With sight glass and bronze ring	1712698	
MAPI 100 B1A-O Without sight glass, for aviation fuel	1712728	
MAPI 100 B1A-S With sight glass, for aviation fuel	1712701	
MAPI 100 B1-OM Without sight glass, with magnet sensor for SCDS systems	1712485	





## API valves

Item	Part Number	Image
API 100 E1-O Without sight glass, with bronze ring	1712752	
API 100 E1-S With sight glass and bronze ring	1712736	
API 100 E1A-O Without sight glass, for aviation fuel	1712779	
API 100 E1A-S With sight glass, for aviation fuel	1712744	
API 100 E1-OD Without sight glass	1712760	
API 100 E1-OM Without sight glass, with magnet sensor for SCDS systems	1712493	





## PAPI valves





Item	Part Number	Image
PAPI 100 B1 With sight glass, for product recognition device	1339946	



## API/MAPI/PAPI valve accessories



Item	Part Number	Image
APIA Delivery coupling For connecting to all API, type 1004, adaptors thread R3"	1668176	
CAPI sealing cap Pressure sealing cap up to 0.2 bar, Single-handed operation, Fastening cable included	1374610	
Interlock valve Activated when coupled during filling	1370630	
Mounting support (for interlock valve above)	1700584	

## API/MAPI/PAPI valve accessories (continued)

Item	Part Number	Image
Sensor for product code Reads the magnetic code of the filling coupling	1609200	
Empty sensor LMS 1A empty sensor	1337927	
Spacer for LMS sensor (14mm)	1338060	
Spacer for LMS sensor (28mm)	1338079	

Replacement API Sight glass	1371939	
O-ring to suit replacement glass (order 2)	1374326	
O-ring to fit into the brass plug holder (order 1)	1374334	
Replacement balls for above	1387150	


Intermediate sight glass assembly SG 100 A1-4TW, Nominal pressure PN 10 bar	1633224	
Weld-on flange Material: weldable aluminum, for pipe DN 100	1141690	

Nose cone (Stainless steel) A1 type	1650382	
As above but B1	1709450	
Nose cone (Brass) A1 type	1375063	
As above but B1	1709411	

## Seal kits for API valves

Item	Part Number	Image
Seal kit for PBVM and PBVO	KIT-PBVM	
Seal kit for PBV 100 (NOT PBVA, PBVH etc)	S000071	
Seal kit for PBVA 100	S743097	




## Manifolds (270mm centres with guard bars)

Item	Part Number	Image
2 compartment vertical product return	2099596	
As above but no product return	2099792	
3 compartment vertical product return	2098924	
As above but no product return	2099274	
4 compartment vertical product return	2082376	
As above but no product return	2099309	
5 compartment vertical product return	2082341	
As above but no product return	2099330	

## Manifold spare parts

Item	Part Number	Image
<b>Manifold valve PVA 100 A1 Inline complete</b>	1634310	
<b>As above but B1 mark 2</b>	1717754	
<b>Poppet valve for above</b>	1294055	
<b>Guard bar release valve Festo switch (also part number 2238718)</b>	UK110	
Purge non return valve RV 3/4 A1 Non return valve	1389218	
Banjo union piece DSVW 22 , Used with purge non return valve	1266507	
Manifold valve gasket OD174 x ID102 8-hole, graphite	UK018	
Label Guardbar release	UK129	
Anti tamper seal SK6A	1185035	
<b>Bar lock PWVV Bar Lock 3/2 A1</b>	1370746	
<b>Vent valve PLBV 3/4 A Vent Valve</b>	1389200	





## Manifold spare parts (continued)

Item	Part Number	Image
Ball Valve 3" 2 Way Weld on steel flanges Mann Int lock inc	1636231	
Purge kit for product return 3,4 or 5 compartments	UK098	
Product return cap includes retaining chain	UK216GM	




## Section B

### Coaming, compartment vents, hoses, overfill prevention, vapour recovery







#### Coaming and compartment vents

Item	Part Number	Image
VRS Compartment Vent PVRVF 4"	1362581	
VRS Coaming Vent PVRV A2 4"	1370720	
VRS Connecting Hose 340mm	UK038	
VRS Connecting Hose Jubilee clips	UK040	

#### Vapour recovery components

Item	Part Number	Image
VRS Vapour Recovery Adaptor Complete with cap and interlock plunger	1649180	
Spare cap for above	1374261	
Spare interlock plunger valve for above	1370630	
Replacement plastic dome end for above	1375446	











## Overfill prevention

Item	Part Number	Image
2 Wire optical probe 15" shaft flanged P12421 supplied with O Ring	2125352	
Replacement probe tip for above including wire	2046606	
OPS Probe Cap Fixing Screw (Sealable)	2182906	
Replacement O ring for above	1260622	
<b>Bottom socket with vapour recovery brake interlock (10 pin socket, Scully)</b> <b>2 compartment OPS B31122</b>	2143531	
<b>3 compartment version OPS B31132</b>	2127599	
<b>4 compartment version OPS B31142</b>	2127606	
<b>5 compartment version OPS B31152</b>	2127613	
<b>Top socket with vapour recovery brake interlock (10 pin socket, Scully)</b> <b>2 compartment version OPS T21122</b>	2143230	
<b>3 compartment version OPS T21132</b>	2143475	
<b>4 compartment version OPS T21142</b>	2127571	
<b>5 compartment version OPS T21152</b>	2127585	
<b>Brake interlock switch</b> <b>For top or bottom socket</b>	1200131	
<b>Pressure switch</b> <b>For bottom socket</b>	1687766	
Dummy 5 Channel (up to 5 compartments) (top or bottom socket)	2178307	



## Section C

### Control boxes, metering and air system








#### Air system components

Item	Part Number	Image
Solenoid valve assembly	2128397	
Emergency Release PFN 1A 6mm	1005088	
Air Service Unit WE D2 - A	1257362	
Anti tamper kit Used on air service kit	1257354	
1 Ltr Bottle of Lubricant / Antifreeze (Rockfrost)	UK005	
Blue Nylon Pneumatic Tube 6mm x 4mm(30m)	UK007	
Red Nylon Pneumatic Tube 6mm x 4mm(30m)	UK008	
Yellow Nylon Pneumatic Tube 6mm x 4mm(30m)	UK009	
Black Nylon Pneumatic Tube 6mm x 4mm(30m)	UK015	
Green Nylon Pneumatic Tube 6mm x 4mm(30m)	UK016	













## Control box spares

Item	Part Number	Image
"AND" valve in-line ( Green )	UK350	
"OR" valve in-line shuttle Valve ( Blue )	UK351	













## Control box spares (continued)

Item	Part Number	Image
Green PST 3A "T" stamped (master)	1009610	
"Y" stamped (slave) 2A	1169900	
Spare knob only	1059102	
Yellow PST 29A "T" stamped (master)	1654906	
"Y" stamped (slave) 25A	1605131	
Spare knob only	1606219	
Red PST 4A "Y" stamped (slave)	1015644	
	1059110	
Black PST 2A "Y" stamped (slave)	1005070	
Spare knob only	1059099	
Blue PST 26A "Y" stamped (slave)	1605140	
Spare knob only	1605123	
PST Left end end block	1061050	
PST Right end block	1009636	

## Control box spares (continued)

Item	Part Number	Image
<b>Hinges</b> Spare hinges for the control box	UK206	
<b>Latch</b> Spare latch for the control box	UKAB-2-LATCH	
<b>Product 6 position grade indicator assembly</b> Does not include labels, see below	1028177	
<b>Empty label (EMPTY)</b>	UK474	
<b>Kerosene label (KERO)</b>	UK475	
<b>Gas Oil label (GAS)</b>	UK476	
<b>Diesel label (DERV)</b>	UK477	
<b>Unleaded label (ULP)</b>	UK478	
<b>Super unleaded label (SULP)</b>	UK479	
<b>Precipure Air Elim/Pump Emp Valve</b> PEV 1B Exhaust Vent	1644595	
<b>Pneumatic Control valve</b> PWVB 3/2 B1	1018805	
<b>Pump Relief Valve Air Pressure Regulator</b>	1016802	








## Meter spares

Item	Part Number	Image
<b>ELZ 3.9</b> Must be programmed before despatch	1702277	
ELZ B 4.0	2070021	
Spare battery for ELZ (Lithium)	1314471	
Replacement keypad membrane	1626023	
Replacement display	1320951	
<b>CountMaster 3A</b> Must be programmed before despatch	2032935	
<b>Ticket Printer</b>	1393185	
DB3A complete Includes cradle, interfact and printer	1667110	
<b>Printer ribbon</b>	UK052	
<b>Pulser assembly</b>	1648507	
Pulser repair kit - cable and replacement sensors	1302139	
Pulser shaft assembly	1622583	
PreciMa 800 gas controller (GSC)	1624764	

## Section D

### Pumps and filters

#### Pumps

Item	Part Number	Image
<b>FPOG 65-600</b> <b>1.8bar pneumatic relief valve</b>	2251836	
a. Replacement bypass / relief valve pneumatic 1.8 bar	2159638	
b. Replacement vanes (12 required)	1029874	
c. Replacement o-ring	1021580	
d. Replacement springs (12 required)	1030325	
e. Replacement mechanical shaft seal	1084085	
f. Replacement needle bearing	1025518	
<b>FPOG 80-700</b> <b>1.8bar pneumatic relief valve</b>	2252312	
a. Replacement bypass / relief valve pneumatic 1.8 bar	2158966	
b. Replacement vanes (12 required)	1032956	
c. Replacement o-ring	1039772	
d. Replacement springs (12 required)	1030325	
e. Replacement mechanical shaft seal	2228841	
f. Replacement needle bearing	1025496	
<b>FPOG 100-975</b> <b>1.8bar pneumatic relief valve</b>	2171048	
a. Replacement bypass / relief valve pneumatic 1.8 bar	2117141	
b. Replacement vanes (12 required)	1048500	
c. Replacement o-ring	1021628	
d. Replacement springs (12 required)	1030325	
e. Replacement mechanical shaft seal	1084093	
f. Replacement needle bearing	1025496	
<b>K1100 D25mm drive flange FPOG 65</b>	UK010	
<b>K1300 D30mm drive flange FPOG 80</b>	UK051	
<b>K1300 D35mm drive flange FPOG 100</b>	UK103	







## Pumps (obsolete)

Item	Part Number	Image
<b>FP 80-700 / 80.1 (ANST type) obsolete</b>	1125563	
a. Replacement bypass / relief valve pneumatic 1.8 bar	1715263	
b. Replacement vanes (12 required)	1032956	
c. Replacement o-ring	1039764	
d. Replacement springs (12 required)	1030325	
e. Replacement mechanical shaft seal	1035432	
Replacement grease seal	1024740	
f. Replacement needle bearing	1025518	
<b>FP 80-975 / 80.2 (ANST type) obsolete</b>	1610690	
a. Replacement bypass / relief valve pneumatic 1.8 bar	1715263	
b. Replacement vanes (12 required)	1048500	
c. Replacement o-ring	1020990	
d. Replacement springs (12 required)	1030325	
e. Replacement mechanical shaft seal	1035440	
Replacement grease seal	1024759	
f. Replacement needle bearing	1025496	
Pump ANST 100 weld flange (Steel)	1639486	
Pump ANST 100 weld flange (Aluminium)	1309974	

## Pump filters

Item	Part Number	Image
PF80 (3") 450 micron assembly (4A) (nylon strainer)	1000515	
Replacement element for (3")	1082392	
PF80 (3") 1000 micron assembly (1A) (nylon strainer)	1013102	
As above, PF100 (4")	1015660	
Replacement element for (3")	1069060	
Replacement element for (4")	1015660	
PF80 (3") 1000 micron complete (7A) (stainless steel strainer)	1138010	
As above, PF100 (4")	1138029	
Replacement element for (3")	1138037	
Replacement element for (4")	1138045	
PF80 (3") 3000 micron complete (3A) (stainless steel strainer)	1000507	
As above, PF100 (4")	1112445	
Replacement element for PF80 (3")	1070742	
Replacement element for PF100 (4")	1103152	
<b>PF80 (3") flame trap (ES)</b>	1014583	
As above, PF100 (4")	1017485	
Replacement element for (3")	1164801	
Replacement element for (4")	1125407	

## Pump filter spares



Item	Part Number	Image
Spare filter body for PF80 (3")	1082350	
As above, PF100 (4")	1082368	
Spare lid for PF80 (3") Does not include bolts or gasket	1048402	
As above, PF100 (4")	1048372	
Lid gasket for PF80 (3")	1046302	
As above, PF100 (4")	1046310	
Bolt assembly for PF80 (3") filter lid 2 required per lid assembly	1119776	
As above, PF100 (4")	1119792	
<b>Slip on weld flange for PF80 filter (3")</b>	UK035	
As above, PF100 (4")	UK039	
Gasket for PF80 (3")	1057290	
As above, PF100 (4")	1068667	

**Section E**  
**Product Additive**

**PreciMix  
Item**

**Part Number**

**Image**




PreciMix pulser and pump assembly	2036015	
Non return valve for PreciMix	1669105	
Inline suction filter for PreciMix	1648116	

PreciMix spares - Important! No user servicable parts, pump must be returned to Alfons Haar.

**Item**

**Part Number**












**Image**

Replacement differential piston complete	2031612	
Replacement glass cylinder	2018179	
Replacement cylinder end seal	1078875	

## Section F

### Hose reels

#### Hosereel

Item	Part Number	Image
Airstar hose reel 1400 x 478 SHI With drip tray, nozzle holster, frame, reel and motor	2154850	
As above but without frame or drip tray	2124827	
Chain drive sprocket	2107677	
Split pin for drive sprocket 5x32 ISO8752	1676837	
3x32 ISO8752	1094986	
Chain	1250066	
Links	1250074	
Replacement motor CW / R 337B1RE, includes sprocket	2103439	
Replacement motor ACW / L 337B1LE, includes sprocket	2103411	
Air regulator assembly Supplied with Brackets, Gauge & Fittings	UK334	
Locking mechanism	1647721	
Bearing house carrier	1137987	
1.5" nozzle and spout	UK184W	
Hose reel valve Includes knob and handle	1649694	
Spare knob for above	1025100	
Spare handle for above	1649473	