

# **ProMinent Fluid Controls Ltd.**

## **PARTS LIST FOR COMMON REPAIRS**

### **Common Parts:**

Function Plug (EXT.) – 707722  
Function Plug (LEVEL) – 707721  
Power Cord 115V – 741203  
    N.A. 220V – 7724015  
    Euro 220V – 818526  
Control Cable (6Ft.) – 1001300  
    (15Ft.) – 1001301  
OIL – 7902419  
Orange Enamel Touch Up Paint – 7500025  
Tubing: ¼” Clear – 7037004  
    ¼” Poly – 7037005  
    ½” Clear – 7037009  
    ½” Poly – 7037010  
Footvalve Ceramic Ball – 404281  
Footvalve Ballseat Oring(Viton) – 481007  
Footvalve Ballseat Oring(EPDM) – 480408  
Foot Valve Mesh – 144122 (0.44mm/600my)  
24VDC Power Supply – 7902721  
Gala Box – 7500022  
Gala Box Insert – 7500024

### **Accessories / Controllers / Probes / Fluoride System / DT1:**

D1C Hardware Key (200 points) – 1000167  
CLE Probe Cap – 790488  
CTE (2,5,10ppm) Probe Cap – 792862  
CTE (0.5ppm) Probe Cap – 741274  
Electrolyte (CLE) – 506270  
    (CTE) – 792892  
CTE Spare Parts Kit(2 caps, electrolyte) – 740048  
  
CTE 1-5ppm Probe – 1003203  
CTE 1-10ppm Probe – 740684  
CTE 1-2ppm Probe – 740685  
CTE 1-0.5ppm Probe – 740686  
  
CLE 3-50ppm – 1020531  
CLE 3-10ppm – 792919  
CLE 3-2ppm – 792920  
CLE 3-0.5ppm – 792927  
  
CLE 3.1 0-5ppm – 1019398  
CLE 3.1 0-10ppm – 1018368  
CLE 3.1 0-2ppm – 1018369  
  
CLE 3 DMT 0-5ppm – 1005511  
CLE 3 DMT 0-50ppm – 105512  
CLE 3 DMT 0-10ppm – 1007540

WS02 Option (4-20mA Output) – 914932  
D1C SN6 Connector Complete – 792420  
DSR PG11 BNC Converter – 703884  
DSR Design Foil (Keypad) – 1004924  
  
Fluoride System: Flow Pipe DLG(Bubble Dispenser) – 1003804  
Fluoride System: O-ring/m 10.00-2.00 FPM – 481027  
Power Gland for Mixer Cable – #183-6BK(\$3.61 each @ Westburne Ruddy)  
  
DGMA bubble disperser – 740207  
  
Photometer DT1 Kit with carrying case – 1003473  
DulcoTest DT1 Solutions: DPD1 Buffer – 1002857  
DPD1 Reagent – 1002858  
DPD3 – 1002859  
  
Flow Monitor Retrofit Kit T-1 – 1024548  
T-2 – 1024547  
Flow Monitor Float T1 – 1011007  
T2 – 1009266(Shaved)  
Flow Monitor Magnet T1/T2 – 1009266(Unshaved)  
  
Flow Monitor Orings – 1004130 Viton 3.0mm  
-1004129 EPDM 3.0mm  
-792115 EPDM 2.5mm  
-792116 Viton 2.5mm  
  
SN6 Connector – 7304975  
Coaxial Cable – 723718

### Concept:

Power Cord 115V – 741203  
N.A. 220V – 7724015  
Euro 220V – 818526  
Solenoid cable – 808311  
Solenoid Complete 70/M3 (115v) – 792032  
70/M6 (115v) – 790981  
Thrust Piece M3 – 791330  
M6 – 791331 (0308, 0215, 0313, 0223)  
Housing CONa – 800682  
Zener Diode – 711536  
Hood Complete – 792995 *\*NOTE(Electronics need soldering to add options required)*  
ConB electronics – 725537 *\*(No longer available)*  
Trans cover – 800427  
Stroke adjustment bolt – 145118  
Knob – 703557  
Stopper – 140465  
PT Screw – 468440  
Fuse 115v (0.4) – 712036  
220v (0.2) – 712034

### Concept Plus:

External Control Retrofit Kit (w 2m control cable) – 1022099  
External Level Switch Retrofit Kit – 1022115  
Electronics – 732758  
Fuse 160mA – 712048  
    315mA – 732404  
Solenoid (115V) – 1021567  
    (230V) – 1021024  
Stroke Shaft – 1021229  
Frequency Shaft Complete – 1001085  
Knob index – 800805  
Knob – 800804  
Hood – 1021019  
Housing – 1021018  
Gasket Seal Hood – 1021102  
Lid (Cover that holds Ext. and level cables) – 1021020  
Gasket Seal Lid – 1021103  
PT-screw (Torx 25x10) – 1021533  
PT-screw (Torx 35x25) – 1021532

### **PHD Pumps:**

Power Cord 115V – 741203  
    N.A. 220V – 7724015  
    Euro 220V – 818526  
4-20mA option – 818106  
Fault Relay – 818107  
Hood complete – 818147      \*\*\*(*Electronics require jumpers to be set*)  
Grey Adjustment Knobs –  
Housing – 800741  
Solenoid E 70 M3 115v – 817972  
Solenoid E 70 M6 115v – 817982

### **Gamma 4:**

**(Gamma4I/W use Gamma 4B liquid end and Gamma4a spare parts kit)**

Power Cord 115V – 741203  
    N.A. 220V – 7724015  
    Euro 220V – 818526  
Electronics 'B' – 725546      \*\*\*(*Electronics need to be programmed*)  
Hood Complete – 740067      \*\*\*(*Electronics need to be programmed / \*\*Requires Foil*)  
Foil\*\* – 605932  
Solenoid Cable – 818376  
LCD Display – 713718  
Trans. Cover – 800415  
Housing – 800742  
Hood Gasket – 481340  
Hood – 800844      \*\*(*Requires Foil*)  
Stroke Shaft – 800803  
Adjusting Knob – 800804  
Adjusting Knob Index – 800805  
Solenoid 70mm/M3 – 791347      \*\*\*(*No longer available*)  
    70mm/ M6 – 791351      \*\*\*(*No longer available*)  
Press Piece M3 – 791330      (Model #1601, 1201, 0803, 1602, 1203, 0806)  
    M6 – 791331      (Model #1002, 0308, 0215, 1003, 0313, 0223)  
Compression Spring 70M3 – 469458

70M6 – 469473

Stroke Lid G4 – 800705  
G4: 1000 – 800706  
Stroke Bolt G4 – 800801  
G4: 1000 – 800802  
Safety Diaphragm – 483547  
4 -20 mA option – 814662 *\*NOTE (Not Included with Hood Complete)*  
Fault Annunciating Relay (Drops Out) – 814665 *\*NOTE (Not Included with Hood Complete)*  
Pacing Relay – 814648 *\*NOTE (Not Included with Hood Complete)*  
Timer Board – 814620 *\*NOTE (Not Included with Hood Complete)*  
Relay Cable – 741210  
Solenoid Screw – 468734  
Center Screw – 468734  
Self tapping screw – 468443  
PT Screw – 468440  
Fuse 115v (0.5) – 712037  
230v (0.25) - 712035

## Gamma 5:

Power Cord 115V – 741203  
N.A. 220V – 7724015  
Euro 220V – 818526  
Electronics 'A' – 814627 *\*\*\* (Electronics need to be programmed)*  
'B' – 725605 *\*\*\* (Electronics need to be programmed)*  
Hood Complete – 808157 *\*\*\* (Electronics need to be programmed / \*\*Requires Foil)*  
Foil\*\* – 606249  
90mm Stroke Bolt – 800809  
90mm Solenoid – 819619 (Model #1602, 1006, 0613, 0417, 0230)  
Lid – 800759  
Press Piece – 819647  
110mm Stroke Bolt – 800810  
110mm Solenoid – 740229 (Model #1605, 1310, 0813, 0423)  
Lid – 800760  
Press Piece – 819648  
Hood – 800774 *\*\* (Requires Foil)*  
Stroke Shaft – 800811  
LCD Display – 713718  
Housing 90mm – 800772  
110mm – 800773  
Cover – 800419  
With lock – 800421  
Adjusting knob – 800812  
Adjusting knob index – 800813  
Hood Gasket – 483981  
Safety Diaphragm – 483549  
Bushings – 469527 (110mm)  
– 469510 (Solenoid Lid)  
4 -20mA option – 814662 *\*NOTE (Not included with Hood Complete)*  
Pacing Relay – 814648 *\*NOTE (Not included with Hood Complete)*  
Fault Annunciating Relay (Drops Out) – 814665 *\*NOTE (Not included with Hood Complete)*  
Timer Board – 814620 *\*NOTE (Not included with Hood Complete)*  
Relay Cable – 741210  
Transformer 110V – 712363  
Self Tapping Screw – 468443

Fuse 115v 120SPM (1.0) – 712052  
115v 100SPM (1.25) – 712038  
220v 120SPM (0.5) – 712037  
220v 100SPM (0.7) – 712051

## Vario:

Power Cord 115V – 741203  
N.A. 220V – 7724015  
Euro 220V – 818526  
AtmoSIT(0.164 gal.) – 553016  
Eccentric Gears ‘VamA’  
HM15 – 807018 (Worm: 403358) /  
HM24 – 807019 (Worm: 403360) /  
HM38 – 807020 (Worm: 403362) /  
‘VamB’ Models:  
792052 (12042, 07063, 04120) [30 teeth]  
792053 (12026, 09039, 05075) [24 teeth]  
792054 (12017, 10025, 06047) [38 teeth]  
Stripper – 485454  
Motor O ring – 481039  
Slip Plate – 791299  
Housing ‘B’ Head – 792047  
Foot – 792048  
Vario Motor Hood – 800727  
Air Lead Hood – 800732  
Rubber Buffer – 484310  
Spring Guidance Assy. ‘B’ – 792092  
Stroke Adjustment Complete – 807010  
Stroke Adjustment Knob – 792463  
Stroke Knob SCREW – 791298  
Scale Ring – 791434  
Bushings – 406110  
Collar ‘B’ – 800730  
Electronics Gasket – 800856  
DC Coupling – 7807051  
Collar For Motor – 7807050  
Hall Sensor ‘B’ – 792049  
Magnet wheel – 792051  
Stroke Stop – 800731  
Bottom Plate – 800728  
Vario Hood Complete (D000) - 7901796  
(D110) - 7901539  
(3B0) – 7901522  
Electronics w/o hood (D3B0) – 792445  
Hood w/o elect. (D3B0) – 807114  
Relay Cable – 741210  
Switch Cover(Rubber Seal) – 710255  
Fuse 115v (2.5) – 712033  
230v (1.25) – 712032  
PT Screws (Housing) – 468445  
PT Screws (Hood) – 790307  
Motor Complete (115v) HM15 – 807012  
HM24 – 807014  
HM38 – 807016

## Meta:

Breather Plug – 405006 /NEW



Stroke Bolt – 1000399  
Frequency Shaft complete – 1001085  
Safety Diaphragm – 1006061  
Housing BT4 – 1000384  
    BT5 – 1000385  
PT Screws – 468440  
Relay Screws – 1002566  
Hood Complete – 1001092  
Adjusting Knob – 800812  
Knob index – 800813  
Hood – 1000386  
Fuse – 712022

\*\*\*(*Electronics need to be programmed*)

## Gala:

Power Cord 115V – 741203  
    N.A. 220V – 7724015  
    Euro 220V – 818526

\*(Additional parts required)  
\*(Additional parts required)  
\*(Additional parts required)

Parts for screwing of main cable – 1003937\*

(Contains – Seal-1001032, Screw Cap-1000390, Holding Pin-1000389, Direct Connector-731074, Power Cord-741203)

Gala Hood Complete – 1003270  
    + Adjusting Knob – 800812  
    + Knob index – 800813  
    + PT Screws – 468440 X 4  
    + Stroke shaft – 1002936

\*\*\*(*Electronics need to be programmed*)

Function Plug Stopper(Clear Transparent Cover) – 140465

Gala Hood – 1003268

\*\*\*(*Requires Foil*)

Foil\*\* – 1003310

Stroke bolt – 1002044

Plastic Trans. Cover – 1003308

Solenoid Cable – 725588

(New) – 1021953\**New\**

Housing 85M5 – 1000385\*

\* (*Used for Old style 70M5 as well*)

70M5 – 1010147

Solenoid 70M5 – 1004799 \**Old\**

70M5 – 1001074 \**New\**

85M5 – 1001482

Stroke Lid 70M5 – 1000398

80M5 – 1001483

Safety Diaphragm – 1006061

Gala Power Board (Universal) 85mm– 732431

70mm– 732430

Assy Electronic Frontpart – 731087

\*\*\*(*Electronics need to be programmed*)

Assy Electronic Frontpart2(NEW) – 732420

\*\*\*(*Electronics need to be programmed*)

Fault Annunciating Relay(Drops Out) – 731082

Current Output Relay(4-20mA) – 732542

Relay (*Option D4* : Fault Relay{Drops Out} + Pacing Relay) – 731073

Relay Screws – 1002566

Relay Cable (OptionD1/D3) – 1002130

Relay Cable (OptionD4/D5) – 1002013

Relay Cable (OptionD4/D5) 10meters – 1010994

Fuse – 712022

## Sigma(SICA):





Screw for handle – 468711  
 Motor Hood – 7902996  
 Motor – 792729 \*No longer available  
 Motor Shaft Plastic Sleeve – 740129  
 Motor CAPACITOR – 7901479  
 Screws (Hood) – 790307  
 PT Screw – 468445  
 Diaphragm Failure Detector (350) – 740333  
 (130) – 740332  
 Detector – 792752  
 Fuse 115v (4.0) – 712070  
 230v (2.0) – 712027

## Sigma 1:

**\*NOTE: WE CAN NOT SELL ELECTRONICS IF OPTION 'C' IS IN THE IDENTICODE, THE PUMP MUST BE SENT IN TO BE REPROGRAMMED.**

Power Cord 115V – 741203 \*(Additional parts required)  
 N.A. 220V – 7724015 \*(Additional parts required)  
 Euro 220V – 818526 \*(Additional parts required)  
 Parts for screwing of main cable – 1003937\*  
 (Contains – Seal-1001032, Screw Cap-1000390, Holding Pin-1000389, Direct  
 Connector-731074, Power Cord-741203)  
 Transparent Cover – 1006508  
 Mainboard Cooling Fan – 732635  
 Control Lid Complete\* – 1020095 \*\*\*(*Electronics need to be programmed*)  
 Control Lid Complete (with TIMER)\* – 1020971 \*\*\*(*Electronics need to be programmed*)  
 S1Ca Power Electronics Complete\* – 1018992 \*\*\*(*Electronics need to be programmed*)  
 Toggle Switch Complete – 1008986  
 Hood – 1006494 \*(*Requires Foil*)  
 Foil\*\* – 1006521  
 On/Off Switch Seal – 700311  
 Hall Sensor Complete – 1022765  
 Hall Sensor Clip – 1010972  
 S1ca Motor – 1018432 10:1 ratio = (12035, 10044, 04084)  
 – 1018455 7:1 ratio = (10050, 07065, 04120)  
 – 1018433 20:1ratio = (12017, 10022, 07042)  
 Motor Gasket - 1010471  
 Orange Design Cover for Gearbox – 1011010  
 Housing Head – 1010529  
 Foot – 1010534  
 Back Lid – 1010535 (Old)  
 - 1025754 (New – Plastic)  
 Back Lid Gasket – 1010472  
 Back Lid O-ring – 1019634  
 Back Lid Screws – 1011015  
 Connecting Rod – 1009228  
 Scale Ring – 791434  
 Stroke Knob – 792463  
 Stroke Knob Screw – 791298  
 Hood Screw – 1006798  
 Fault Annunciating Relay(Drops Out) – 731082  
 Current Output Relay(4-20mA) – 732542  
 Relay (*Option D4* : Fault Relay{Drops Out} + Pacing Relay) – 731073

Relay Screws – 1002566  
Relay Cable (OptionD1/D3) – 1002130  
Relay Cable (OptionD4/D5) – 1002013  
Pacing Relay (Reed Relay-**S1BA**) – 725704      *\*(Requires custom hood)*  
Fuse 3.15AT – 732414

## **Sigma 2(For drive parts see SICA section above):**

**\*NOTE: WE CAN NOT SELL ELECTRONICS IF OPTION ‘C’ IS IN THE IDENTICODE, THE PUMP MUST BE SENT IN TO BE REPROGRAMMED.**

Power Cord 115V – 741203      *\*(Additional parts required)*  
    N.A. 220V – 7724015      *\*(Additional parts required)*  
    Euro 220V – 818526      *\*(Additional parts required)*  
Parts for screwing of main cable – 1003937\*  
    (Contains – Seal-1001032, Screw Cap-1000390, Holding Pin-1000389, Direct  
    Connector-731074, Power Cord-741203)

Breather Plug – 405006 /NEW  
Drain Plug – 740646  
OIL – 7902419  
Oil Sight Glass – 740094  
Grooved ring – 1007830  
Stripper – 1000841  
LCD display GAL – 1003759  
Mainboard Cooling Fan – 732635  
S2Ca Power Electronics\* – 1016329      *\*\*\*(Electronics need to be programmed)*  
Control Lid Complete\* – 1020095      *\*\*\*(Electronics need to be programmed)*  
Control Lid Complete (with TIMER)\* – 1020971      *\*\*\*(Electronics need to be programmed)*  
Toggle Switch Complete – 1008986  
Hood – 1006494      *\*\* (Requires Foil)*  
Foil\*\* – 1006521  
On/Off Switch Seal – 700311  
Stroke Handle – 1005147  
Scale Ring – 1005146  
Stroke Handle Screw – 1005356  
Toggle switch cpl. – 1008986  
On/ off switch seal – 700311  
Assy. El front part Sigma 732239  
Trans. Cover – 1006508  
Housing Head – 1009025  
    Head HK – 1011001  
    Foot – 792453  
Liquid End Guard (HK) – 800501  
Sigma2 Heat sink – 1017407  
Hall Sensor (High Sensitivity) – 1022765  
S2Ca to S2BA Conversion kit – (406612 – Hub D11, 1010030 – Coupling, 792456 – Front Plate,  
6x790307 – Screws, 1018810 – Clutch Shaft, 1018812 – Fitting Key, 792533 – Motor Flange 56C)  
Motor Hood (Plastic) for Sigma 2 – 7902996  
Motor – 1011036  
Motor Coupling – 1010030  
Hood Screw – 1006798  
Housing Screw – 468445  
Fault Annunciating Relay(Drops Out) – 731082  
Current Output Relay(4-20mA) – 732542  
Relay (*Option D4* : Fault Relay{Drops Out} + Pacing Relay) – 731073

Relay Screws – 1002566  
Relay Cable (OptionD1/D3) – 1002130  
Relay Cable (OptionD4/D5) – 1002013  
OIL – 7902419  
Fuse 4.0AT – 712070

### **Sigma 3:**

**\*NOTE: WE CAN NOT SELL ELECTRONICS IF OPTION ‘C’ IS IN THE IDENTICODE, THE PUMP MUST BE SENT IN TO BE REPROGRAMMED.**

Power Cord 115V – 741203 *\*(Additional parts required)*  
    N.A. 220V – 7724015 *\*(Additional parts required)*  
    Euro 220V – 818526 *\*(Additional parts required)*  
Parts for screwing of main cable – 1003937\*  
    (Contains – Seal-1001032, Screw Cap-1000390, Holding Pin-1000389, Direct  
    Connector-731074, Power Cord-741203)

Breather Plug – 405006 /NEW  
Drain Plug – 740646  
OIL – 7902419  
Oil Sight Glass – 740094  
Motor – 1006918  
Green Gasket – 1002886  
Lip Ring (inner) – 1007829  
Grooved Ring – 1000377  
Stripper – 1002877  
Slide Rod – 1003125  
Hall Sensor (High Sensitivity) – 1022765  
Housing Head – 1004870  
    Foot (S3BA) – 792453  
    Foot Complete (S3CA) – 1009035  
    Foot w/o heat sink (S3CA) – 1007833  
Heat sink – 1016330  
Mainboard Cooling Fan – 732635  
Control lid complete\* – 1020095 *\*\*\*(Electronics need to be programmed)*  
Control Lid Complete (with TIMER)\* – 1020971 *\*\*\*(Electronics need to be programmed)*  
S3Ca Power Electronics\* – 1007831 *\*\*\*(Electronics need to be programmed)*  
Cooling Fan 12Vdc – 732635  
Toggle Switch Complete – 1008986  
Hood – 1006494 *\*\*(Requires Foil)*  
Foil\*\* – 1006521  
On/Off Switch Seal – 700311  
Coated Spring – DN 32 Part # 1018512  
Ceramic Plate – DN 32 Part # 1017969  
Stroke Handle – 1005147  
Scale Ring – 1005146  
Stroke Handle Screw – 1005356  
Rotex 19 – 1006287  
Trans. Cover – 1006508  
Backlid – 1003123  
Moosrubber Gasket(Behind Backplate) – 1005610  
Spring Guidance Complete(includes backlid) – 1003424  
Stroke length Sensor – 1006684  
Stroke length Sensor Holder – 1008852  
Stroke length Sensor Nut – 467010

Motor Hood for Sigma 3 – 7902997  
Hood Screw – 1006798  
Housing Screw – 468445  
Fault Annunciating Relay(Drops Out) – 731082  
Current Output Relay(4-20mA) – 732542  
Relay (*Option D4* : Fault Relay{Drops Out} + Pacing Relay) – 731073  
Relay Screws – 1002566  
Relay Cable (OptionD1/D3) – 1002130  
Relay Cable (OptionD4/D5) – 1002013  
Fuse 6.3 AT – 732379

### **EXtronic:**

Spring Housing – 103220  
Comp. Spring – 469427  
DU-Bushing Assembly complete – 469535  
    +Bush M3 – 814123  
    + 467431  
Extronic Freq. Switch – 703523  
Shaft connector piece – 814106

### **C – Pump:**

Fuse Holder – 712110  
Fuse Holder Cap – 712112  
Shock absorber – 462296  
Plates – 469831

### **Spectra:**

Seal kit GL028-60A(Orings) – 2222