



PLASSON®

**TOOLING
CATALOGUE**
AUGUST 2011



For more information

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Vinidex
Systems & Solutions

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Introduction

The tools in this catalogue are designed for use with Polyethylene electrofusion fittings.

Plasson Automatic Electrofusion Fittings

Plasson electrofusion fittings have the following features:

- **Automatic Weld Time Recognition System** - avoids operator input errors
- **Single Weld Time** - -10°C to $+45^{\circ}\text{C}$ means temperature compensation is not required.
No need for operator judgement and possible errors
- **PN 16 water/1000 kPa Gas systems** - meets the most demanding technical requirements
- **PN 10 water/630 kPa Gas systems** - for PE pipes down to SDR 33
- **QAS Standardsmark licensed system for EF fittings** - No. 2018, AS/NZS 4129

A Single Weld Time

According to the latest Standards, all electrofusion fittings must be able to produce welds at a temperature range of between -10° and $+45^{\circ}\text{C}$. Manufacturers have responded to this in different ways resulting in a variety of designs available on the market.

The Plasson Automatic Electrofusion system ensures that the energy supplied will weld fittings from a minimum -10° to $+45^{\circ}\text{C}$ at one standard time. Fittings are tested within this range and are supplied in Australia with QAS Standardsmark Licence.

Temperature Compensation

Other fittings being supplied to the Australian market may meet ISO/CEN standards and have the capability of achieving a satisfactory weld. However, to do so temperature compensation may be required; creating a more complex, lengthier process that is more susceptible to human error. Where welding time is dependent on the ambient temperature, this requires a special bar-code reading EF control box to sense the temperature, read the fittings bar-code and adjust the weld time accordingly. As well as the additional work required this can also cause problems. Firstly, it relies on the legibility of the bar-code and secondly, the point at which the temperature is read may vary widely from the temperature at the pipe/fitting assembly.

Without a special bar-code reading EF control box, the weld operator will need to estimate the temperature at the joint site, read the temperature compensation tables correctly (if supplied and legible) and enter the new weld time into the box before the weld can proceed. This process relies on operator skill/judgement, is open to mistakes and may need a complex QC form to record the weld conditions used.

A Smoother Process

By using Plasson-Automatic fittings and PF control boxes there is no need for special bar-code reading EF control boxes, or reference to temperature compensation tables, virtually eliminating the margin for error in this area. (Provided the process is being carried out within a temperature range of -10° and $+45^{\circ}\text{C}$.) However if users wish to have a control box capable of welding Plasson Automatic Fitting as well as manual or barcode fitting, Plasson has a control box that can operate both – The Polymatic Plus.



Plasson Automatic (PF) Welding Control Boxes

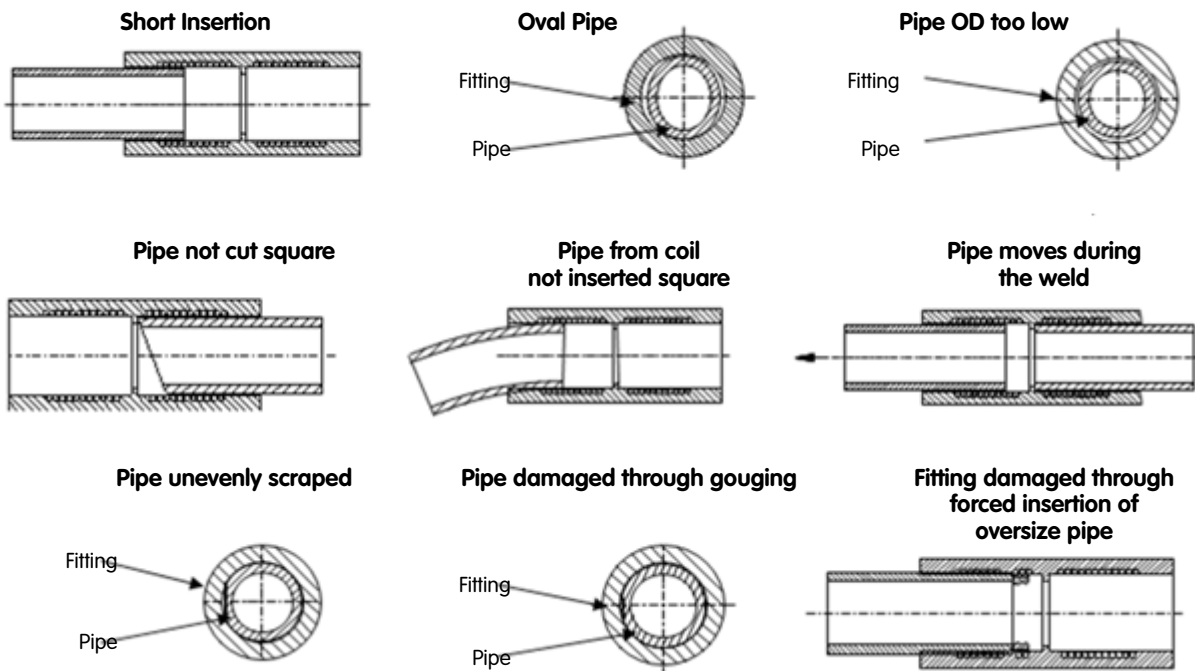
PF control boxes dynamically monitor the welding process when used with Plasson Electrofusion fittings. Benefits include:

- By continually monitoring the weld current a PF control box will shut down if the current increases above the dynamic tolerance range, thereby avoiding the overheating and anti-oxidant depletion of PE materials which can adversely affect long-term weld integrity.
- PF control boxes are tolerant to generator variability as they accept a large voltage range and frequency variation.
- Servicing centres for PF welding equipment are available Australia wide.

What can go wrong?

Without the dynamic monitoring of a Plasson Automatic Welding Control Box, faults may occur unnoticed during the weld process causing the fitting to fail once in general use. Common causes of this can be seen in the diagram below.

Typical Electrofusion Welding Faults



Please note, Plasson Automatic Control Boxes will not carry out this dynamic monitoring process on other manufacturers' fittings.



Control Boxes



Control Box Comparison Table

FEATURES	PF - Monomatic	PF - Dualmatic LX	PF - Digimatic LT	PF - Polymatic Plus
Cat. No. (5m lead)	PFMONO5DL	PF30023T020 (3m lead)	PFDIGIMATICLT5DL	PFPOLYPLUS5DL
(10m lead)	PFMONO10DL		PFDIGIMATICLT10DL	PFPOLYPLUS10DL
(15m lead)	PFMONO15DL		PFDIGIMATICLT15DL	PFPOLYPLUS15DL
Welds:	Only Plasson Automatic Fittings up to 400mm	Only Plasson Automatic Fittings up to 160mm & 240V Drainage Fittings up to 160mm	All EF Fittings up to 710mm* (*Sizes above 400mm may require a cooling period between welds.)	All EF Fittings up to 710mm* (*Sizes above 400mm may require a cooling period between welds.)
Plasson Automatic mode (Automatic)	✓	✓	✓	✓
Manual Input of welding time	-	✓	✓	✓
Welding voltage	39.5V	39.5V or 240V AC	8-48V	8-48V
Output current (maximum)	60A (80A)	60A	80A (110A)	80A (110A)
Optional USB Data Interface	-	-	✓	✓
Multilingual display messages (7)	✓	✓	✓	✓
Error messages in plain text	✓	✓	✓	✓
Adjustable display contrast	✓	✓	✓	✓
Dynamic process supervision	✓	✓	✓	✓
Auto software check	✓	✓	✓	✓
Resistance check	✓	✓	✓	✓
Soft Start	Ramped	✓	Ramped	✓
Service Message	After 200 hours or 12 months	After 200 hours or 12 months	After 200 hours or 12 months	After 200 hours or 12 months
Barcode reading capability	-	-	-	✓
Earth Pin	15A	15A	15A	15A

CONTROL BOXES TECHNICAL DATA - Refer to specifications pp 15-21.

REQUIRED GENERATOR SPECIFICATIONS

Input Voltage RANGE	190-300V
Frequency	40-70V
Minimum Output	18A at 240V - one phase

Must be able to drive inductive loads
Must have phase cut control
Mechanically regulated with brushes is the preferred system
Synchronized generator
Minimum 4.5 Kva - Mechanically controlled
5.0 Kva - Electronically controlled

MINIMUM REQUIRED GENERATOR OUTPUT POWER 230V, 50Hz, 1-PHASE. GENERAL USE MINIMUM 4.5kW

DIAMETER	OUTPUT POWER
20-75mm	2kW
90-160mm	3.2kW
180-710mm	4.5kW (Mechanically controlled) 5kW (Electronically controlled)



Control Boxes



Product Name

Plasson Code

Vinidex Code

Stock Type

Control Boxes

PF - Monomatic (5m lead)	PFMONO5DL	71114	1
PF - Monomatic (10m lead)	PFMONO10DL	71115	1
PF - Monomatic (15m lead)	PFMONO15DL	71116	1
PF - Dualmatic LX (3m lead)	PF30023T020	71170	1
PF - Digimatic LT (5m lead)	PFDIGIMATICLT5DL	71119	1
PF - Digimatic LT (10m lead)	PFDIGIMATICLT10DL	71120	1
PF - Digimatic LT (15m lead)	PFDIGIMATICLT15DL	71121	1
PF - Digimatic LT + Data + USB (5m lead)	PFDIGIDATAUSBLT5DL	71073	1
PF - Digimatic LT + Data + USB (10m lead)	PFDIGIDATAUSBLT10DL	71074	1
PF - Digimatic LT + Data + USB (15m lead)	PFDIGIDATAUSBLT15DL	71075	1
PF - Polymatic Plus USB (5m lead)	PFPOLYPLUSUSB5DLPEN	71122	2
PF - Polymatic Plus USB (10m lead)	PFPOLYPLUSUSB10DLPEN	71123	2
PF - Polymatic Plus USB (15m lead)	PFPOLYPLUSUSB15DLPEN	71156	2

Welding Cables and Accessories

Product Name

Plasson Code

Vinidex Code

Stock Type



Welding Cables

Welding cable for Monomatic/Digimatic with plug

- 5m
- 10m
- 15m

20610008	71125	1
20611008	71126	1
20611108	71127	1

PF Welding cable for Polymatic Plus with plug
(Pen sold separately)

- 5m
- 10m
- 15m

PF20610006	71128	1
PF20611006	71129	1
PF20611106	71124	1

Welding Plugs



PF Welding terminal 4.7mm (black outlet)

10200001	71130	1
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PF Welding terminal 4.7mm (red outlet)

20200003	71131	1
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Spare Parts for Welding Cables



PVC Cap (black)

10410003	71132	1
----------	-------	---







PVC Cap (red)

10410004	71133	1
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Stock Type: 1. Available ex Australian Stock 2. Available on request. Additional freight costs may be charged.



Adaptors

	Product Name	Plasson Code	Vinidex Code	Stock Type
	Adaptors Adaptor 4.7/4.0 angle	10300001	71137	1
	Adaptor 4.0/4.7 angle	10300004	99272	1
	Adaptor 4.7/4.7 90Deg angle NOT for use with Plasson Automatic Fittings, For Other Fittings	10300009	71135	1
	Adaptor 4.7/4.7 90Deg angle FOR USE with Plasson Automatic and Other Fittings	20200005	71134	1
	Adaptor 4.7/4.0 90Deg angle FOR USE with Plasson Automatic and Other Fittings	20200006	99271	1
	Grey Adaptor storage bag	12800002	71140	1
	Cable Adaptors Cable adaptor For EF leads into manhole adaptor	29021006	71584	1

Bar Code Readers and Accessories

	Product Name	Plasson Code	Vinidex Code	Stock Type
	PF Reading Pen DL2 (Including cable)	10100001	71141	1
	PF Barcode Scanner Pistol 10cm reading distance (incl. cable & scanner bag)	10120005	71142	1
	PF Bar-code Scanner bag	12800003	71144	1
	PF Operator ID Card for PF Control Box	12700007	71155	2
	PF Control Box Transport Box	PF12800005	71152	1

Stock Type: 1. Available ex Australian Stock 2. Available on request. Additional freight costs may be charged.

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Pipe Cutting

Product Name

Plasson Code

Vinidex Code

Stock Type



Secateur Pipe Cutters

PF Pipe Cutter up to 63mm

PF53000 001

99174

1

PF Pipe Cutter Spare Blade

PF53000 002

99478

1



Rotational Pipe Cutter

PF Rotational Pipe Cutter 20-75mm

PF53001 004

99479

1

PF Rotational Pipe Cutter Spare Blade 20-75mm

PF53001 005

99480

1

PF Rotational Pipe Cutter 50 - 140mm

PF53001 001

99481

1

PF Rotational Pipe Cutter 90-160mm

PF53001 002

99482

1

PF Rotational Pipe Cutter Spare Blade
50-140 & 90-160mm

PF53001 003

99483

1



RI Rotational Pipe Cutter T4 180-315mm

T4

99485

2

RI Rotational Pipe Cutter T4 Spare Blade 53mm
(Max cutting depth 19.4mm)

T4SPAREBLADE53MM

99485r99

2



32-110

Rotational Pipe Cutter

PF Rotational Pipe Cutter 32-110mm

PF44400 002

77190

1

PF Rotational Pipe Cutter 110-225mm

PF44400 001

77191

2

PF Rotational Pipe Cutter Spare Blade 110-225mm

PF12503010/2

77192

2

PF Rotational Pipe Cutter 110 - 315mm

PF44400 003

77189

2

PF Rotational Pipe Cutter Spare Blade 110-315mm

PF12503010/3

77193

2



110-225

Pipe Cleaning

Product Name

Plasson Code

Vinidex Code

Stock Type



Plasson Welding Wipes

Plasson Pipewipes

VFPW

99275

1

These specialized moist wipes are impregnated with a high specification solution containing 70% Isopropyl Alcohol. Plasson Pipewipes ensure surfaces are clean etc before electrofusion jointing. (Scraping of pipe surface is still required.) 75 sheets per cannister.

Stock Type: 1. Available ex Australian Stock 2. Available on request. Additional freight costs may be charged.

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Pipe Scraping

Product Name

Plasson Code

Vinidex Code

Stock Type



Hand Scraper

PF Hand Scraper – Small 1.1/2"

PF53002 001

63563

1

PF Blades for small Hand Scraper (2)

PF53002 002

63995

1

PF Hand Scraper – Large 2.1/2"

PF53002 003

63564

1

PF Blades for large Hand Scraper (2)

PF53002 004

63996

1

Drill Mounted Scraper Tool

Scraping depth suitable for repair fittings

Hexagon spigot for cordless drill



PF Scraping Head 20mm

PF44200 018

77194

1

PF Scraping Head 25mm

PF44200 019

77195

1

PF Scraping Head 32mm

PF44200 020

77196

1

PF Scraping Head 40mm

PF44200 021

77197

1

PF Scraping Head 50mm

PF44200 022

77198

1

PF Scraping Head 63mm

PF44200 023

77199

1

Rotational Scraper Tool

CA Rotary Hand Scraper 20mm x 3.0mm wall

0107301

63565

1

CA Rotary Hand Scraper 25mm x 3.0mm wall

0107304

63566

1

CA Rotary Hand Scraper 32mm x 3.0mm wall

0107306

63567

1

PF Rotational Scraper 25 – 63mm

PF44200001

77171

1

PF Rotational Scraper 25 – 110mm

PF44200 002

77177

1

(Suitable for couplers and saddles)

PF Rotational Scraper 90 – 225mm

PF44200 003

77178

1

PF Spare Blades for Rotational Scrapers 63/110/225mm

PF24201 004

99484

1



25-63



25-110









Stock Type: 1. Available ex Australian Stock 2. Available on request. Additional freight costs may be charged.

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Pipe Scraping (cont.)

	Product Name	Plasson Code	Vinidex Code	Stock Type
	RI Rotational Scraper 355 – 710mm	RTC710	99010	1
	RI Spare Blades for Rotational Scraper 50-160, 75-315 & 355 - 710mm		99011	1
	PF Rotational Scraper Tool for pipe ends 75 - 180mm	PF44200015	77200	1
	PF Rotational Scraper Tool for pipe ends 180 - 400mm	PF44200016	77201	1
	PF Spare Blade for Rotational Scraper Tool 75-180, 180-400mm	PF24201005	77202	1
	PF 250 – 450mm Rotational Scraper	PF44200007	77181	1
	PF 500 – 800mm Extensions Links for 250-450 Rotational Pipe Scraper	PF44200008	77182	2
	PF 250 – 800mm Rotational Scraper	PF44200009	77183	2
	PF 900 – 1000mm Extensions Links for 250-800 Rotational Pipe Scraper	PF44200010	77203	2
	PF 800 - 1200mm Rotational Pipe Scraper	PF44200012	TBA	2
	RI Chamfer/Beveler 40mm-315mm and wall thickness up to 35mm To prepare the ends of pipe (Suitable for PE, PP, PVDF, PVC) Helps prevent damage to electrofusion zones during pipe insertion. Recommended for diameters above 125mm and all pipes from coils.	SME2PLUS	77184	1
	RI Chamfer/Beveler Spare Blade	7960004	90010	1

Stock Type: 1. Available ex Australian Stock 2. Available on request. Additional freight costs may be charged.



Pipe Clamping

	Product Name	Plasson Code	Vinidex Code	Stock Type
	<p>CA 16 – 32mm Mini Clamp</p> <p>Mini clamps are used for clamping pipe (incl. Clamp with 16x20 & 25x32 jaws)</p> <p>Features:</p> <ul style="list-style-type: none"> • The mini clamp suits pipe sizes 16, 20, 25 & 32mm. • Promotes re-rounding & restraint during the electrofusion process. • Interchangeable jaws for use on reducing connections. • Quick tightening operation. • Light weight & easy to use. 	0110100	63579	2
	<p>RI 20 – 63mm Universal Aligner Clamps</p> <p>Features:</p> <ul style="list-style-type: none"> • Suitable for reducers, couplers, 45° & 90° elbows or tees • Promotes re-rounding & restraint during the electrofusion process. • Infinitely variable grip clamps to suit any combination of sizes, 20-63mm. • Quick tightening operation. • Light weight & easy to use. 	99500002	77176	1
	<p>PF 32 – 110mm Pipe Clamp</p> <p>32 – 110mm Pipe Clamp with quick adjustment</p> <p>Features:</p> <ul style="list-style-type: none"> • Adjustable to suit couplers, reducers 22.5° , 45° & 90° elbows and tees • Comes complete with two grips to suit 32-110mm pipe sizes. • Promotes re-rounding & restraint during the electrofusion process. • Infinitely variable grip clamps to suit any combination of sizes, 32-110mm. • Quick tightening operation. • Light weight & easy to use. 	PF44300 001	77180	1
	<p>PF 110 – 225mm Pipe Clamp</p> <p>110 - 225mm Pipe Clamp with quick adjustment</p> <p>Features:</p> <ul style="list-style-type: none"> • Adjustable to suit couplers, reducers 22.5° , 45° & 90° elbows and tees • Comes complete with two grips to suit 110 - 225mm pipe sizes. • Promotes re-rounding & restraint during the electrofusion process. • Infinitely variable grip clamps to suit any combination of sizes, 110-225mm. • Quick tightening operation. • Light weight & easy to use. 	PF44300 002	77187	1

Stock Type: 1. Available ex Australian Stock 2. Available on request. Additional freight costs may be charged.



Pipe Clamping (cont.)

Strap Clamps

Used to prevent movement during weld process. The Plasson Strap Clamp, a convenient, flexible system for holding PE pipes steady during the Electrofusion process. Does not assist with rerounding.



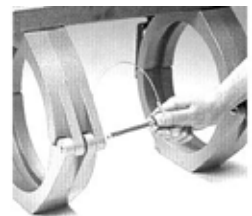
110-400



250-630
2 fixed
clamps



250-630
1 pulling & 1 fixed clamp



Product Name

Plasson Code

Vinindex Code

Stock Type

PF 110 - 400mm Pipe Clamp

4 pipe clamps, 2 base bars, angle adaptor 22.5, 45, 90,180

PF44300023

99393

1

PF 250 - 630mm Pipe Clamp

With 2 fixed clamps.

PF44300021

77185

2

PF 250 - 630mm Pipe Clamp

With 1 pulling clamp and 1 fixed clamp.

For larger dimensions it is recommended to combine two or more Pipe Clamps.

PF44300022

77186

2

PF Pulling Clamp for couplers

(1 set = 2 pcs.) to use with 2 pcs. of PF44300022 (not incl)

PF44301023

77188

2

PF Pipe Clamp Kit (Complete) 63 - 110mm

Includes: 2 basis holders, 1xT-Piece, Inserts: 63,110mm, Transport Box. (Assists with rerounding)

PF44300017

TBA

1

PF Pipe Clamp Kit (Complete) 63 - 200mm

Includes: 2 basis holders, 1xT-Piece, Inserts: 63,110,125,160,180, 200mm, Transport Box. (Assists with rerounding)

PF44300016

61782

1

Alignment Clamps

Multiclamp Kit - 250mm

Comprising 2 x 250mm Rings mounted on base. Clamp can be fitted with liners to suit 200mm and 225mm sizes.

MC250

63584

2

Multiclamp Kit - 315mm

Comprising 2 x 315mm Rings mounted on base. Clamp can be fitted with liners to suit 280mm pipe.

MC315

63585

2

Multiclamp Kit - 355mm

Comprising 2 x 355mm Rings mounted on base.

MC355



63548

2


Stock Type: 1. Available ex Australian Stock 2. Available on request. Additional freight costs may be charged.



Waste Water Tools

Product Name	Plasson Code	Vinidex Code	Stock Type
Waste Water Saddle Installation Tools			
 <p>110mm x 45Deg Fixed Outlet Saddle Clamp Kit</p> <p>For Main pipe sizes 160 - 315mm. Includes:</p> <ul style="list-style-type: none"> • Saddle clamp • Coupon removal tool (Drill not included) 	29070050	71587	1
 <p>160mm Flexible Outlet Saddle Clamp Kit</p> <p>For Main pipe sizes 225 - 560mm. Includes:</p> <ul style="list-style-type: none"> • Saddle clamp unit • Coupon removal tool (Drill not included) 	29070003	71583	1

Rerounding Tools (Two required - one for each side of fitting)

Product Name	Plasson Code	Vinidex Code	Stock Type
Used to re-round oval pipes for Electrofusion.			
 <p>Nutcracker 20mm-50mm</p>			
20mm	108001	63641	2
25mm	108002	63642	2
32mm	108003	63643	2
40mm	108004	63644	2
50mm	108005	63645	2

Stock Type: 1. Available ex Australian Stock 2. Available on request. Additional freight costs may be charged.

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Product Name

Plasson Code

Vinidex Code

Stock Type



Hinged Collar 63mm-180mm

63mm	108006	63646	2
75mm	108007	63647	2
90mm	108008	63648	2
110mm	108009	63650	2
125mm	108010	63649	2
140mm	108011	99297	2
160mm	108012	63651	2
180mm	108013	63652	2



Split Collar 200mm-250mm

200mm	108014	63653	2
225mm	108015	63654	2
250mm	108016	63655	2



Segmented Collar 315mm

315mm	108020	TBA	2
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Hydraulic Rerounding Clamps 400-630mm

Intermediate sizes can be achieved by adding reducing shells



Rerounding Clamp 400mm	0108100	Contact Plasson	2
Reducing Shell set 400-355mm	0108101	63669	2
Reducing Shell set 400-315mm	0108102	63670	2
Rerounding Clamp 500mm	0108103	Contact Plasson	2
Reducing Shell set 500-450mm	0108104	63672	2
Reducing Shell set 500-400mm	0108105	63673	2
Rerounding Clamp 630mm	0108106	Contact Plasson	2
Reducing Shell set 630-560mm	0108107	63675	2
Reducing Shell set 630-500mm	0108108	63676	2

Post Squeeze Off Rerounding Clamps




63mm	PF53005063	63631	2
75mm	PF53005075	63632	2
90mm	PF53005090	63633	2
110mm	PF53005110	63634	2
125mm	PF53005125	63635	2
140mm	PF53005140	64108	2
160mm	PF53005160	63636	2
180mm	PF53005180	63637	2
200mm	PF53005200	63638	2
225mm	PF53005225	63639	2




Stock Type: 1. Available ex Australian Stock 2. Available on request. Additional freight costs may be charged.



Rerounding Tools (cont.)

	Product Name	Plasson Code	Vinidex Code	Stock Type
	Hydraulic Positioning Kits 400-710mm			
	Intermediate sizes can be achieved by adding reducing shells			
	Positioning Kit 400mm	0108200	63668	2
	Reducing Shell set 400-355mm	0108101	63669	2
	Reducing Shell set 400-315mm	0108102	63670	2
	Positioning Kit 500mm	0108300	63671	2
	Reducing Shell set 500-450mm	0108104	63672	2
	Reducing Shell set 500-400mm	0108105	63673	2
	Positioning Kit 630mm	0108400	63674	2
	Reducing Shell set 630-560mm	0108107	63675	2
Reducing Shell set 630-500mm	0108108	63676	2	
Positioning Kit 710mm	0108500	63677	2	

Squeeze Off Tools




	Product Name	Plasson Code	Vinidex Code	Stock Type
	FU 16 – 32mm Mini Squeeze Tool			
	Suits 16 – 32mm SDR11	SQT32	63628	1
	Features:			
	<ul style="list-style-type: none"> • Compact robust design ensures easy use. • Built-in safety stops to prevent damage to pipe. 			
	FU 50NB Gas Services Squeeze Tool			
	Suits NB 10, 18, 25 (1"), 32 (1.1/4"), 40 (1.1/2") or 50mm (2" SDR 9.9 Pipes)	SQTNB50	90042	2
	Features:			
	<ul style="list-style-type: none"> • The SQT service squeeze tool is for flow stopping on either metric or imperial sizes of pipe. 			
	PF 20 – 63mm Service Squeeze Tool			
	Suits: SDR11 20, 32, 40, 50, 63mm & SDR17 63mm	PF44100002	77179	1
	Features:			
	<ul style="list-style-type: none"> • Squeeze off is affected by turning the handle in a clockwise direction. 			

Stock Type: 1. Available ex Australian Stock 2. Available on request. Additional freight costs may be charged.

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Squeeze Off Tools (cont.)

	Product Name	Plasson Code	Vinidex Code	Stock Type
	PF 75-200mm Mains Squeeze Tool Suites SDR11/SDR17 Pipe (incl. 2 complete stopper sets) Features: <ul style="list-style-type: none"> • A hydraulic unit. • Metric limit plates set at 1.6t. • Safety stops to prevent creep. • Springs return to jack to park position after squeeze off. • Integral safety valve. 	PF44100007	63630	1
	FU 180-250mm Mains Squeeze Tool All SDR ratings Features: <ul style="list-style-type: none"> • Centrally mounted hydraulic cylinder compressing two half round profile beams against the pipe. • Removable hydraulic cylinder. • Four complete sets of beams and frames are normally supplied. • An optional air intensifier is also available on request. 	SQT250	99385	2
	FU 250-355mm Mains Squeeze Tool All SDR ratings For use on PE pipe of differing diamtere/SDR combinations dependent on which stops are fitted	SQT355	99384	2
	FU 180-400mm Mains Squeeze Tool SQT400 requires 'Stops' supplied in sets of 8 Pipe SDR ratings and pipe diameter required. Each pipe diameter / SDR has its own set of 'Stops'. NB: Version with slow-release is also available upon request.	TBA	63678	2

Debeading Tools

Product Name	Plasson Code	Vinidex Code	Stock Type
CA External Bead Removal Tool 90 - 400mm	53MY0005	61783	2
Spare blade (90 - 400mm)	53MY0005SPAREBLADE	61784	2

Stock Type: 1. Available ex Australian Stock 2. Available on request. Additional freight costs may be charged.

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Control Box Specifications



PF - Monomatic

Automatic Control Box

✓ Plasson Automatic System

Technical Data	PF - Monomatic
ISO 12176-2 Class	P ₂ 3 U Si F A M
Input Voltage	230V ~/AC, (185V-300V)
Input Current	16A
Input Frequency	50Hz (40-70Hz)
Power Factor	cos p < 0.6 – 0.9 (Phase Angle Control)
Output Voltage	60A (max.: 80A)
Power Consumption	200VA
Temperature Range	-10°C - +50°C
Protection Class	IP54, Class 2
Weight incl. Cables	18kg
Main Supply Cable	4.5 m (15A Plug)
Welding Cable	5m, 10m, 15m (detachable)
Welding Terminals	4.7m
Display	4 x 20 Characters (alphanum.), background lighting
Dimension	440mm x 380mm x 320mm

Monitoring Functions	PF - Monomatic
Input	Voltage / Current / Frequency
Output	Voltage / Contact / Short circuit / Current Monitoring
Other	System / Working Temperature / Service
Error Messages	Plain Text / Acoustic Signal

Miscellaneous	PF - Monomatic
Enclosed Parts	Control Box, Transport Box, Instructions Manual
Options - Input Voltage	240V, 110V
Output cable	Detachable Output Cable. Cable Length up to 15m (5, 10, 15m)
Welding Terminals	4.7mm Welding Terminals



Control Box Specifications



PF - Dualmatic LX

Automatic Control Box

- ✓ Plasson Automatic System
- ✓ 240V Siphonic drainage systems

Technical Data	PF - Dualmatic
Input Voltage	230V ~/AC, (185V-300V)
Input Frequency	50Hz (40-70Hz)
Output Voltage	40V (regulated)
Output Current	Max. 60A
Welding time	Automatic

Sewage Fitting Mode	PF - Dualmatic
Input Voltage	230V ~/AC, (205V-300V)
Input Frequency	50Hz (40-70Hz)
Output Current	4,9Amp @ 20°C
Output Voltage	Max. input voltage

General	PF - Dualmatic
Power Consumption	2400 W
Input Current	50Hz (40-70Hz)
Temperature Range	-10°C - +50°C
Protection Class	IP54, Class 2
Weight incl. Cables	15kg
Main Supply Cable	4.5 m (15A)
Welding Cable	AUTOMATIC: 3m (fixed). SEWAGE: 3m (fixed)
Welding Terminals	Plasson Automatic: 4.7mm. SEWAGE: 2.0mm
Display	1 x 8 characters, background light
Dimension	440mm x 380mm x 320mm
Enclosed Parts	Control Box, Instructions Manual

Monitoring Functions	PF - Dualmatic
Input Voltage/Input	Voltage / Current / Frequency
Output	Voltage / Resistance / Contact / Short circuit / Current Monitoring
Other	System / Service
Error Messages	Error Codes / Acoustic Signal



Control Box Specifications



PF - Digimatic LT (Large Transformer)

Manual Universal Control Box

- ✓ MANUAL-Input of Parameters
- ✓ Plasson Automatic System
- ✓ Optional Data Recording

Technical Data	PF - Digimatic LT
ISO 12176-2 Class	P ₂ 3 U S ₁ V K (D) X
Input Voltage	230V ~/AC, (185V-300V)
Input Current	16A
Input Frequency	50Hz (40-70Hz)
Power Factor	cos p < 0.6 – 0.9 (Phase Angle Control)
Output Voltage	Digimatic: 8-48V
Output Current	80A (Max: 110A)
Power Consumption	3200VA
Temperature Range	-10°C - +50°C
Protection Class	IP54, Class 2
Weight incl. Cables	23kg
Main Supply Cable	4.5 m (15A)
Welding Cable	5m, 10m, 15m (detachable)
Welding Terminals	4.7mm (opt. 4,0mm)
Display	4 x 20 Characters (alphanum.), background lighting
Dimension	440mm x 380mm x 320mm
Enclosed Parts	Control Box, Transport Box, Adapter 4.7/4.0mm, Instructions Manual

Monitoring Functions	PF - Digimatic LT
Input	Voltage / Current / Frequency
Output	Voltage / Contact / Short circuit / Current Monitoring
Other	System / Working Temperature / Service
Error Messages	Plain Text / Acoustic Signal

Data Recording	PF - Digimatic LT Data USB
Number of Reports	Approx. / ca. 200
Interface	USB



Control Box Specifications



PF - Digimatic LT (Large Transformer) - continued

Manual Universal Control Box

- ✓ MANUAL-Input of Parameters
- ✓ Plasson Automatic System
- ✓ Optional Data Recording

Recorded Data	PF - Digimatic LT
General Data	Report Number, Operator Name, Job-No.
Fusion Data	Voltage / Current / Nominal and Actual Welding Time / Mode / Resistance / Error Messages with 10 Voltage-Current Values
Device Data	Serial Number / Date of last Service / Working Hours / System Configuration

Control Box Selection Guide	PF - Digimatic LT	Digimatic LT Data
Welding time	1-9999 sec	1-9999 sec
Welding Voltage	8-48V	8-48V
Reports	-	200

Options	PF - Digimatic LT
Input Voltage	230V, 110V, 48V
Output Voltage	80V (AC/~)
Welding Terminals	4mm Welding Terminals



Control Box Specifications



Polymatic Plus

Universal Control Box

- ✓ Plasson Automatic System
- ✓ MANUAL-Mode
- ✓ Data Recording
- ✓ Traceability functions conform ISO12176-3/4

Technical Data	PF - Polymatic Plus
ISO 12176-2 Class	P ₂ 4 U S ₁ V AK D X
Input Voltage	230V ~/AC, (185V-300V)
Input Current	16A
Input Frequency	50Hz (40-70Hz)
Power Factor	cos p < 0.6 – 0.9 (Phase Angle Control)
Output Voltage	8-48V AC/~
Output Current	80A (max.: 110A)
Energy Adjustment	Temperature Compensation
Power Consumption	3600VA
Temperature Range	-10°C - +50°C
Protection Class	CE, IP54, Class 2
Weight incl. Cables	20kg
Main Supply Cable	5 m (15A)
Welding Cable	5m, 10m, 15m (detachable)
Welding Terminals	4,7mm (opt. 4,0mm)
Display	4 x 20 Characters (alphanum.), background lighting
Dimension	440mm x 380mm x 320mm
Enclosed Parts	Control Box, Transport Box, Adapter 4.7/4.0mm, Instructions Manual

Monitoring Functions	PF - Polymatic Plus
USB	USB Key

Data Recording	PF - Polymatic Plus
Number of Reports	1200
Interface	USB



Control Box Specifications



Polymatic Plus - continued

Universal Control Box

- ✓ BARCODE-System
- ✓ Plasson Automatic System
- ✓ MANUAL-Mode
- ✓ Data Recording
- ✓ Traceability functions conform ISO12176-3/4

Recorded Data	PF - Polymatic Plus
General Data	Commission Number (40 digits alphanumerical). Weather (DVS) / Joint Number / Report Number
Fusion Data	Voltage / Current / Nominal and Actual Welding Time / Mode / Resistance / Error Messages with 10 Voltage-Current Values
Fitting Data	Barcode Information (ISO/TR 13950) / Type / Dimension / Manufacturer
Device Data	Serial Number / Inventory Number / Date of last Service / Working Hours / System Configuration
Operator Code	Barcode (PF or ISO 12176-3) for operator identification and access to manual input and system
Weather Condition	DVS 2207 / 2208
Welding Barcode	ISO-TR 13950
Traceability Barcode of Fitting	ISO-12176-4
Traceability Barcode of 1st pipe	ISO-12176-4
Traceability Barcode of 2nd pipe	ISO-12176-4
3rd Traceability Code / Infotext	ISO-12176-4
Pipe Length	0.00m – 999.00m
Trench Depth	0.00m – 99.99m

Other Functions	PF - Polymatic Plus
Output Options	Whole Memory / Comm.-No.
Commission Number Input/Selection	Barcode, Manual, Internal List of 75 Comm.-No. for Selection

Control Box Specifications



Polymatic Plus - continued

Universal Control Box

- ✓ BARCODE-System
- ✓ FUSAMATIC-System
- ✓ MANUAL-Mode
- ✓ Data Recording
- ✓ Traceability functions conform ISO12176-3/4

Options	PF - Polymatic Plus
Input Voltage	230V, 110V, 48V
Display	Display (8mm character height)
Output cable	Detachable Output Cable: 5m, 10m, 15m (detachable)
Barcode reader	Barcode Scanner
Welding Terminals	4mm Welding Terminals

Service

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Control boxes, tooling

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Fax: (03) 5335 5892
Email: pipeline@cbl.com.au

Control boxes, tooling

GTI Process Controls

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Fax: (08) 9434 3670
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Control boxes

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AS/NZS 4129
Fittings to polyethylene pipes for
pressure applications

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