

# Early Guyson Manual Blast Cabinets

## Blast Parts Guidelines



## Introduction

These product ranges were introduced in the 1970s to provide well engineered manual blast systems with a wide range of options for both the industrial and garage equipment markets. Production continued with minor changes until they were all superseded in the early 1990s by the forerunners of the current manual products, now sold under the Euroblast brand.

The range comprised three similar products, generally as below:

Type	Brand Name	Features
Original	<b>Super</b>	Breeze blue paintwork, rectangular viewing window with anti-frost sheet within a metal frame, small three cornered armhole flaps.
Beadblast	<b>DBH (Dry Blast Hone)</b>	Breeze blue paintwork, larger rectangular viewing window with rounded corners, small three cornered armhole sleeves.
Garage Equipment	<b>GE</b>	Yellow paintwork plus viewing windows and armhole fittings that could be from either the Super or DBH ranges. Some larger GE cabinets used diamond shaped armholes.

The following cabinet sizes were manufactured during the years of production:

Cabinet	Internal Dimensions (mm) - (w x d x h)
2	610 x 457 x 444
4	813 x 559 x 749
6	1067 x 762 x 914
7	1522 x 912 x 914
9	1219 x 1219 x 1346
SBP	813 x 610 x 483

All the cabinets above were suction feed systems that had the option of either the model 400 or model 900 blast guns, with the exception of the cabinet sizes 2 and SBP, which were always fitted with the smaller model 400 gun.

The models 40 or 41 (4 bag) dust collector was supplied with those systems using the model 400 guns but systems specified with the larger model 900 gun usually used the model 80 (12 bag) dust collector. The model 80 dust collector was replaced by the model 70 (7 bag) dust collector and this was used towards the end of manufacturing of the range.

Optional cyclone reclaimators were also available, the 50/15 for use with the model 400 gun and the 75/12 when the model 900 gun was specified. Both models are now obsolete, having been replaced by the current model 75/16 cyclone.

A range of pressure feed systems was also introduced to complement the Original range, using the cabinet sizes 4, 6, 7 and 9 only. These were marketed as Guyson PPO products. They originally used a now obsolete 85 litre pressure pot with a motorised 150/12 cyclone placed above it. Later models used the G42 pressure pot.

Dust collectors specified were either the model 80 (12 bag) or 80/1 (multi-pocket) products.

## Features

Many of the features of these ranges are similar to those of the current Euroblast ranges but the designs are quite different and these can be briefly summarised as:

- External light box containing bayonet type electric light bulbs. No fluorescent option.
- A range of viewing windows made from toughened glass with anti-frosting sheet protection. Changes were made during the years of production to the sizes of the windows used on some of the smaller Super & GE cabinets.
- The normal armhole aperture was designed for three-corner sleeves (original small size only) or flaps. However, some earlier models used the diamond design.
- Perforated steel floor component support on all models with optional fixed position turntables (size 4 and above only). The floor was a simpler and more lightweight design when compared with that used on the later Euroblast.
- Leg mounted one piece air pressure regulator and moisture trap / filter unit.
- Small foot-pedal on RHS for blast gun operation.
- No door safety interlocks were fitted as part of the normal build and most of those that do exist were retro-fitted, many by the equipment users rather than by Guyson engineers.
- The model 2 cabinet is significantly smaller than the subsequent Euroblast 2 cabinet.

## Options

Options available at that time were restricted to fixed position turntables and sealed secondary floors.

Please note that none of the above systems were available as standard with side loading turntables or any door interlocks. Electric door interlocks eventually became available for the PPO range.

## Spare Parts and Service Support

Although these systems have not been manufactured for a number of years, Guyson acknowledge the fact that many of our customers still have these products on site and that they are in regular use. Additionally, they often become available on the second hand market and start a fresh life with new owners.

Wherever possible, Guyson will continue to supply spare parts for as long as we can manufacture or obtain these from our suppliers. A listing of the common consumables for



the ranges is shown below, detailing the current part numbers only. However, original part numbers detailed within manuals issued at the time of manufacture can normally be related to current items.

Unfortunately, there are also a number of parts that are not available any longer. These are often proprietary items that are simply cannot be supplied by the original manufacturers. Wherever possible, alternatives will be offered but this does not cover every item originally available. Over the years, many of our blast systems have been modified, meaning that they are no longer to the original specification. If this work was not undertaken by Guyson engineers, then parts used in the modifications may not be available from Guyson.

If you require any assistance with parts identification and availability, then please call or e-mail Guyson Customer Service using the contact details shown below.

Advice on suitable blast media for specific applications can also be provided.

Guyson can in many cases provide planned maintenance contracts for many of these products. For further information, please contact Guyson Field Service with details of the equipment, preferably stating the serial number of the equipment.

**Exploded View of Blast Gun**



**Contact Details**

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Drawn: 17-Jul-2006

No	Description	Product Code
1	Gun Body	N/A
2	Nozzle Ceramic 6.4 mm bore Nozzle Ceramic 8.0 mm bore	D2BA0001 D2BA0002
	Alternatives	
	Nozzle Tungsten 6.4 mm bore Nozzle Tungsten 8.0 mm bore	D2BA0004 D2BA0005
3	Nozzle Locknut	D2AA0007
4	Nozzle Washer	P1WS0038
5	Nozzle Grommet (10 mm bore)	P2GT0012
6	Air Control Jet	2.0 mm bore (8 cfm) D1AA0000 2.4 mm bore (12 cfm) D1AA0001 2.8 mm bore (16 cfm) D1AA0002
7	Air Jet Fibre Washer	P1WS0037
8	Air Jet Coil Spring	P2SG0000
9	Top Nut	D2AA0008
10	Hosetail (air) 1/2" BSP x 10 mm	P4CG0001
11	Hosetail (media) 3/8" x 10 mm 3/8" x 16 mm	P4CG0006 P4CG0002

### Exploded View of Blast Gun



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DRMHC 23 July 2009

No	Description	Product Code
1	Gun Body	N/A
2	Nozzle Ceramic 9.5 mm bore Nozzle Ceramic 12.7 mm bore	D2BA0006 D2BA0007
	Alternatives	
	Nozzle Boron Carbide 9.5 mm bore Nozzle Boron Carbide 12.7 mm bore	D2BA0009 D2BA0010
3	Nozzle Grommet	P1WS0039
4	Nozzle Locknut	D2AA0009
5	Air Control Jet 3.2 mm bore (21 cfm) 4.0 mm bore (33 cfm) 4.8 mm bore (45 cfm)	D1AA0004 D1AA0005 D1AA0006
	Alternative	
	Air Control Jet Tungsten Sleeved 4.8 mm bore	D1AA0008
6	Thumbscrew	P1TH0189
7	Tailpiece 1/4" BSP x 16 mm 1/2" BSP x 19 mm	P4CG0009 P4CG0010
8	Hosetail (Air) 1/2" BSP x 10 mm	P4CG0001

Description	Current Item Number	Notes
Model 400 blast gun	S2AA0005	Fitted with ceramic 6.4 mm nozzle and 2.8 mm air-jet. Media hose bore 16 mm.
Model 900 blast gun	S2AA0009	Fitted with ceramic 9.5 mm nozzle and 4.0 mm air-jet. Media hose bore 16 mm

Please note that other gun configurations are available. Please contact Guyson Customer Service on +44 (0)1756 799911 for more information.

## SUCTION FEED BLAST GUN SPARE PARTS

MODEL 400 BLAST GUN		MODEL 900 BLAST GUN	
Description	Current item number	Description	Current item number
Nozzle, ceramic 6.4 mm bore	D2BA0001	Nozzle, ceramic 9.5 mm bore	D2BA0006
Nozzle, tungsten 6.4 mm bore	D2BA0004	Nozzle, boron 9.5 mm bore	D2BA0009
Nozzle, ceramic 8.0mm bore	D2BA0002	Nozzle, ceramic 12.7 mm bore	D2BA0007
Nozzle , tungsten 8.0mm bore	D2BA0005	Nozzle, boron 12.7 mm bore	D2BA0010
Nozzle locknut	D2AA0007	Nozzle locknut	D2AA0009
Nozzle washer	P1WS0038	Nozzle washer	P1WS0039
Nozzle grommet	P2GT0012	Air jet, 3.2 mm bore	D1AA0004
Air jet, 2.0 mm bore	D1AA0000	Air jet, 4.0 mm bore	D1AA0005
Air jet, 2.4 mm bore	D1AA0001	Air jet, 4.8 mm bore	D1AA0006
Air jet, 2.8 mm bore	D1AA0002	Thumb screw	P1TH0189
Air jet fibre washer	P1WS0037	Hose tail (air) ¼" BSP x 10 mm bore	P4CG0001
Air jet coil spring	P2SG0000	Hose tail (media) ¾" BSP x 16 mm bore	P4CG0009
Top nut	D2AA0008	Hose tail (media) ¾" BSP x 19 mm bore	P4CG0010
Hose tail (air) ¼" BSP x 10 mm bore	P4CG0001		
Hose tail (media) ¾" BSP x 16 mm bore	P4CG0002		
Hose tail (media) ¾" BSP x 10 mm bore	P4CG0006		

## CABINET SPARE PARTS

Description	Current item number	Notes
Viewing window - 393 x 159 mm	P2GL0000	Super / DBH / GE 2 cabinet only (rectangular)
Viewing window - 522 x 180 mm	P2GL0001	Super 4 / 6 / 7 / 9 & SBP cabinets (rectangular)
Window gasket seal strip	R5SL0008	Self-adhesive foam seal 12 x 12 mm – 6 metre roll (for above)
Viewing window - 708 x 264 mm	P2GL0004	DBH 4 / 6 / 7 / 9 & SBP cabinets (rounded corners)
Window channel gasket	R5SL0000	DBH 4 / 6 / 7 / 9 & SBP cabinets only, rubber (sold per metre)
Window gasket filler	R5SL0002	For use with gasket above (sold per metre)
Anti-frosting sheet - 393 x 159 mm	P2PF0003	Super / DBH / GE 2 cabinet only (rectangular, semi-rigid plastic)
Anti-frosting sheet - 522 x 180 mm	P2PF0005	Super 4 / 6 / 7 / 9 & SBP cabinets (rectangular, semi-rigid plastic)
Anti-frosting sheet - 708 x 264 mm	P2PF0006	DBH 4 / 6 / 7 / 9 & SBP cabinets (rectangular, soft plastic)
Illumination window – 492 x 162 mm	P2GL0012	All cabinet sizes – rounded corners
Window channel gasket	R5SL0000	For use with all illumination windows - rubber (sold per metre)
Window gasket filler	R5SL0002	For use with gasket above (sold per metre)
Air hose, 10 mm bore	R6TB0003	Clear, reinforced PVC (sold per metre)
Media hose - 10 mm bore	R6TB0014	Super / DBH / GE2 only - rubber (sold per metre)
Media hose - 16 mm bore	R6TB0018	Rubber (sold per metre)
Media hose – 19 mm bore	R6TB0019	Rubber (sold per metre). Used on some larger cabinet sizes – always check!

## CABINET SPARE PARTS

Description	Current item number	Notes
Pick-up tube - 10 mm hose	E1AA3673	Super / DBH / GE2 only
Pick-up tube - 16 mm hose	E1AA4060	Most other models
Pick-up tube - 19 mm hose	E1AA4059	Used on some larger cabinet sizes – always check!
Mixer box	E1AA2452	Square, quick release version
Armhole sleeve – 3 corner	Y1AA0011	Soft, red rubber. Sold individually.
Armhole flap – 3 corner	Y1AA0002	Soft, red rubber. Sold individually – fit two off per aperture.
Armhole sleeve - diamond	Y1AA0010	Soft, red rubber. Sold individually.
Armhole flap - diamond	Y1AA0003	Soft, red rubber. Sold individually – fit two off per aperture.
Armhole bezel – 3 corner	Y1AB0027	
Protective gloves size 9	Y1AA0016	Black, dip moulded rubber (sold as a pair)
Protective gloves size 9½	Y1AA0017	Black, dip moulded rubber (sold as a pair)
Breather pad - round	Y1AB0001	White fabric
Breather pad bezel - round	Y1AB0007	Plastic (now violet colour)
Flexible exhaust hose – standard -100 mm dia	R6TB0030	PVC (sold per metre)
Flexible exhaust hose – H/Duty -100 mm dia	R6TB0032	Polyurethane (sold per metre)
Hose end flange - 100 mm dia	Y2AB0013	Aluminium
Hose clip 100 mm dia	P1HC0004	
Sealing sleeve - 100 mm dia	P2HS0000	Rubber
Flexible exhaust hose – standard -150 mm dia	R6TB0034	PVC (sold per metre)
Flexible exhaust hose – H/Duty -150 mm dia	R6TB0036	Polyurethane (sold per metre)
Hose end flange - 150 mm dia	Y2AB0014	Aluminium
Hose clip 150 mm dia	P1HC0006	
Sealing sleeve - 150 mm dia	P2HS0001	Rubber
Foot pedal valve 2/2	P4VL0059	Note - may require slight modification with fittings
Door seal strip 16mm wide	R5SL0024	Self-adhesive foam seal – 5 metre roll
Door seal strip 25mm wide	R5SL0027	Self-adhesive foam seal – 5 metre roll
Door seal strip 38mm wide	R5SL0026	Self-adhesive foam seal – 5 metre roll

## DUST COLLECTOR SPARE PARTS

Description	Current item number	Notes
Filter sleeve - round	Y1CA0000	For models 41, 70 and 80. Note – model 41 requires 4 sleeves, model 70 requires 7 sleeves and model 80 requires 12 sleeves.

# Contacts

## UK

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# Guyson International

## DUST COLLECTOR SPARE PARTS

Description	Current item number	Notes
Filter securing hose clip	P1HC0006	150mm diameter
Impellor – with boss	D2DA0005	Model 41 dust collector
Impellor – with boss	D2DA0007	Model 70 dust collector
Impellor – with boss	D2DA0006	Model 80 dust collector
Motor – 370w – single phase	P3MT0000	Model 41 dust collector
Motor – 370w – three phase	P3MT0001	Model 41 dust collector
Motor – 750w – single phase	P3MT0010	Model 70 dust collector
Motor – 750w – three phase	P3MT0011	Model 70 dust collector
Motor – 1500w – single phase	P3MT0005	Model 80 dust collector
Motor – 1500w – three phase	P3MT0006	Model 80 dust collector

At Guyson we are committed to delivering excellent Customer Service, from your initial enquiry through design, manufacture and delivery, to after sales support via our commercial and technical service teams.

### Blast Media

We stock over 60 types and sizes of blast media, from best sellers Honite (glass bead) and Saftigrit (brown and white alumina, aluminium oxide) to Ceramic (fused zirconia), and would be delighted to quote media for use in any kind of blast system.

For prices or to order, please call 01756 799911, Freephone (UK only) 0800 328 5999, or fax 01756 790213. Ask us about current offers for buying in larger quantities. For next day delivery please order before 3 pm for 1-9 bags, or before 10 am for larger quantities. (Pack size is normally 25kg.)

For details of media types, applications and downloadable data sheets, please see the 'Blast Media' page on our website.

For advice from our experienced staff on which blast media will best suit your application, please call us. We can process sample components for you, so that you can select from a variety of finishes the one you prefer. You are very welcome to come to our test and demonstration centre in Skipton, where we hold stocks of media of all types.

### Protecting your Investment

At Guyson, we offer a wide range of service contracts which allow for planned maintenance visits to be carried out at regular intervals by Guyson service personnel. These regular service visits ensure that our engineers can help you to keep your Guyson equipment running at its optimum level of performance for years to come.

If you would like more information about service contracts, please contact one of our friendly staff who will be happy to help with your enquiry.