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Elcometer blast machines are available in a range of easy-to-order kits to get you up and running as quickly and easily as possible.

Blast Kit 1

- Elcometer Abrasive Blast Machine
- RCV 4000+ Remote Control Valve with Silencer, Exhaust & Safety Petcock
- 20m[1] (65.6ft) Pneumatic Control Hose with Deadman's Handle (DMHII)
- Air Manifold
- Choke Valve and Pusher Line
- Abrasive Metering Valve & Metal Pot Coupling
- Hard Wearing Mixer T[2]
- Pressure Test Certificate
- Moisture Separator

Blast Kit 2

All of Blast Kit 1 plus:

- 20m[1] (65.6ft) 1¼" (32mm) ID Blast Hose Assembly complete with Cast Iron Coupling and Nylon Nozzle Holder

Personal Protection Kits

Elcometer offers a full range of personal protection & operator safety equipment including blast helmets, blast suits, capes and gloves, breathe air filters and breathe air hose.

[1] 10m (32.8ft) for Elcometer 1020 variants   [2] When fitted with a GV & AGV Media Valve

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ELCOMETER ENGINEERED

Every aspect of an Elcometer Blast Machine uses high quality components, is manufactured to an industry leading specification and designed and engineered by Elcometer experts.

FABRIQUÉ EN GRANDE-BRETAGNE
HERGESTELLT IN GROSSBRITANNIEN
elcometer® engineered
MADE IN GREAT BRITAIN

Heavy Duty Construction
6mm (¼") steel wall thickness, double weld seams & coated with a tough 2 pack epoxy multi-coat paint for corrosion protection.

High Flow Pipework & Valves
Large bore 38mm (1½") pipework throughout ensures efficient airflow and minimal pressure loss.

Concave Dishes
Our high flow concave dish comes complete with a deflector plate for fast filling & operator safety.

Fast Flow Cones
45/90° cone to maximise abrasive flow rate.

Remote Control Valves
Used with a deadman's handle, the 1½" (38mm) remote control valve minimises air flow loss and shuts the blast system down quickly and safely.

Precision Metering Valves
Range of precision metering valves offer accurate control of your blast media, even whilst blasting.

Exhaust Manifolds
Hard working exhaust manifolds allow air to exhaust through the silencer quickly & safely, with minimum wear.

Moisture Separators
High performance moisture separator prevents water and oil from entering the blast pot.
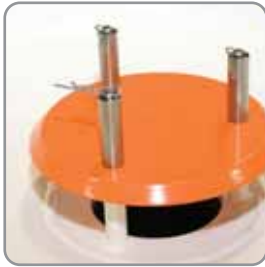
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Hard-wearing Mixer T's
Machined out of a single block of high grade machine steel, the hard-wearing Elcometer Mixer T is designed to last.

Serviceable Exhaust T's
When a blast machine exhausts, it can quickly wear out elbow joints, that is why Elcometer Exhaust T's are fitted with sacrificial wear nuts to minimise wear and maximise lifetime.

Adjustable Deflector Plates
The adjustable height deflector plate is designed to prevent abrasive escaping the blast machine when the pop up valve is engaged - keeping you safe.

Large Inspection Access
Large, easy to remove access doors to make maintenance easier and faster.

Reinforced Pop Up Valves
The heavy duty internal pop up valve is long lasting and quickly responds to pressurisation.

Narrow & Protected
Designed to fit through most standard doorways, valves and pipework are protected, even when laid down during transportation.

Flexible Pusher Lines
Flexible pusher line ensures air flow without pressure loss caused by elbows.

Air Manifold
The Elcometer Air Manifold allows multiple outlets for ancillary equipment and a pressure relief valve.

Waterproof Sieves & Lids
Optional sieves & lids are designed to fit on the outside of the machine to prevent water ingress, keeping the media dry.

Balanced by Design
Easy to manoeuvre on site by one person, no matter their size.

"Every detail of an Elcometer blast machine has been engineered to be safe, last longer and work harder; dependability you can trust."

SAFE & RELIABLE

Rugged, reliable and easy to use, Elcometer blast machines & valves are supplied with a full 12 month warranty and are engineered & tested to be incredibly efficient, durable and safe.

Excellence Is Our Standard

Designed and manufactured at our purpose built production facility in Manchester, England, Elcometer blast machines are CE approved, fully tested and certified to International Standards PED 2014/68EU.

Built to Last

Manufactured out of heavy duty 6mm (¼") steel with double weld seams and with a tough marine specification multi-coat anti-corrosion paint, Elcometer blast machines exceed CE/PED Standards to maximise their lifespan.

Putting You in Control

Elcometer's state-of-the-art RCV4000 & RCV4000+ Remote Control Valves allow you to safely control the blast machine at the nozzle. The high flow exhaust manifold allows air to quickly depressurise the blast machine.

Emergency Shut Down

Every Elcometer blast machine is fitted with a large and easy to reach safety petcock as standard. In an emergency it will isolate the deadman's handle circuit and depressurise the blast machine quickly and safely.

Peace of Mind

Pressure relief valves must be incorporated into the system to meet global safety standards. Elcometer offer certified pressure relief valves that can be easily fitted to RCV4000+ remote control valves, automatically discharging the compressed air in the blast machine upon reaching the release pressure.

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Productivity is a function of pressure and air flow.

"For every psi at the nozzle above 100psi (7bar) you get a 1.5% increase in productivity."

ENHANCE YOUR PERFORMANCE

Optimising the volume, speed and pressure of air to the nozzle results in greater blasting efficiency. Higher pressure and speed of air at the nozzle will also allow use of a larger nozzle size, resulting in faster blast area coverage, allowing you to cover more in less time.

Operating at more efficient blast pressures will also result in less abrasive usage thus saving money and clean up time!

Minimise Your Pressure Loss

The design of your blast machine together with your blast hose diameter, length, age, wear and quality can effect the pressure at the nozzle.

This is why we manufacture blast machines which have a maximum working pressure of either 12 or 15bar (174 or 217psi), and have been engineered for minimal pressure loss - so that you will always have the nozzle pressure you need to maximise your productivity.

Maximise Your Cubic Air Flow Per Minute

With an internal pipe diameter of 1½" (38mm) across our blast machines we have optimised the volumetric flow rate of air through the system every minute so that you can select a larger nozzle diameter, allowing you to blast more in less time.

Blast for Longer

Elcometer blast machines have a maximum working pressure of 12 or 15bar (174 or 217psi) allowing you to maintain the nozzle pressure over significantly longer lengths of hose, even as it wears.

Reduce Your Media Costs

Elcometer blast machines are designed to deliver the optimum pressure and flow rate at the nozzle, allowing you to use less abrasive to blast the same area to the same profile, saving you money.

Our abrasive media valves come with fingertip adjustment so that you can precisely control the media flow, even whilst blasting.

Reduce Your Maintenance

Elcometer's blast machines are engineered to be extremely durable so that parts last longer. Forcing abrasive through a high pressure system will, however, always create wear and tear so we have designed our machines to be easy and fast to maintain so that you can maximise your blast time.

Be In Control

Designed for precision control and minimal air flow loss, the Elcometer RCV4000 & RCV4000+ Remote Control Valves allows you to safely control a blast machine at the nozzle, fast.

"Greater pressure at the nozzle lets you work faster as every 1psi (0.07bar) above 100psi (7bar) equals 1.5% productivity increase."

FABRIQUÉ EN GRANDE-BRETAGNE
HERGESTELLT IN GROSSBRITANNIEN
MADE IN GREAT BRITAIN
elcometer®
engineered

MAXIMISE UP TIME

When you are not blasting you are not earning, that's why Elcometer blast machines are engineered to work harder, last longer and be faster to maintain.

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Quick and Easy

Whilst Elcometer pop up valves come with reinforced metal guards so that they last longer, when they need to be replaced you can do so quickly and easily thanks to the large access doorway which is wide enough for both of your arms. As each door comes with an ElcoFit™ wraparound sealing gasket, you don't even have to worry about gasket alignment.

Maintenance in Minutes

Maintenance is always required to prolong the service life of your blast machine. To minimise your downtime, the remote control valve, exhaust, silencer and moisture separator can be quickly swapped out in one assembly by undoing just two union joints. So whilst the assembly is being serviced, you can carry on blasting.

Tough T's

The Elcometer Mixer T is made from ultra-hard wearing machined steel so that they last longer and, when they have started to wear out, just rotate them by 180° to double their service life.

Each Elcometer Exhaust T features a replaceable sacrificial plug designed to extend the life of the assembly.

Extend Your Lifetime

Unlike other media valves, Elcometer GV and AGV abrasive metering valves are fitted with a replaceable elcoTOUGH™ rubber valve liner which protects and prolongs the lifetime of the valve itself.

Integrated scales on the valves clearly indicate the valve setting and tells you when you need to change the liner, so you don't have to guess, or open up the valve to check.

Each elcoTOUGH™ liner can last more than 3 times longer than other rubber liners and can be rapidly replaced without the need to remove the valve from the machine.

New elcoTOUGH™
Valve Liner

elcoTOUGH™ Valve Liner
after 1665 hours using copper
slag at 8bar (116psi)

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Whether you are blasting at a dockyard or in a blast room, **Elcometer offers a range of blast machines,** from 20 up to 285 litres (0.7 - 10.06cu ft), available with **12bar (174psi) working pressure** to maximise productivity.

FAST · POWERFUL
12 Bar
pressure · 174psi
SAFE · DURABLE

Options		Elcometer 1020	Elcometer 1440
Capacity	Volume	20 litres (0.70cu ft)	40 litres (1.41cu ft)
	Aluminium Grit	47kg (102lbs)	94kg (206lbs)
	Steel Shot/Garnet	88kg (193lbs)	176kg (388lbs)
Model Options	Portable	■	■
	Static		
Valve Options	FV/MFV: Flat Valve/ Mini Flat Valve GV/MGV: General Valve/ Mini General Valve AGV: Automatic General Valve	MFV MGV	FV GV AGV
Dimensions	Pot Diameter	254mm (10")	356mm (14")
	Height	880mm (35")	1015mm (40")
	Width	565mm (22")	615mm (24")
	Depth	562mm (22")	714mm (28")
	Weight	70kg (154lbs)	95kg (209lbs)
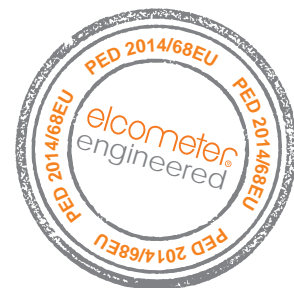
Elcometer standard blast machines are **CE approved** and fully tested and certified to **PED 2014/68EU** with a maximum working pressure of 12bar (174psi).
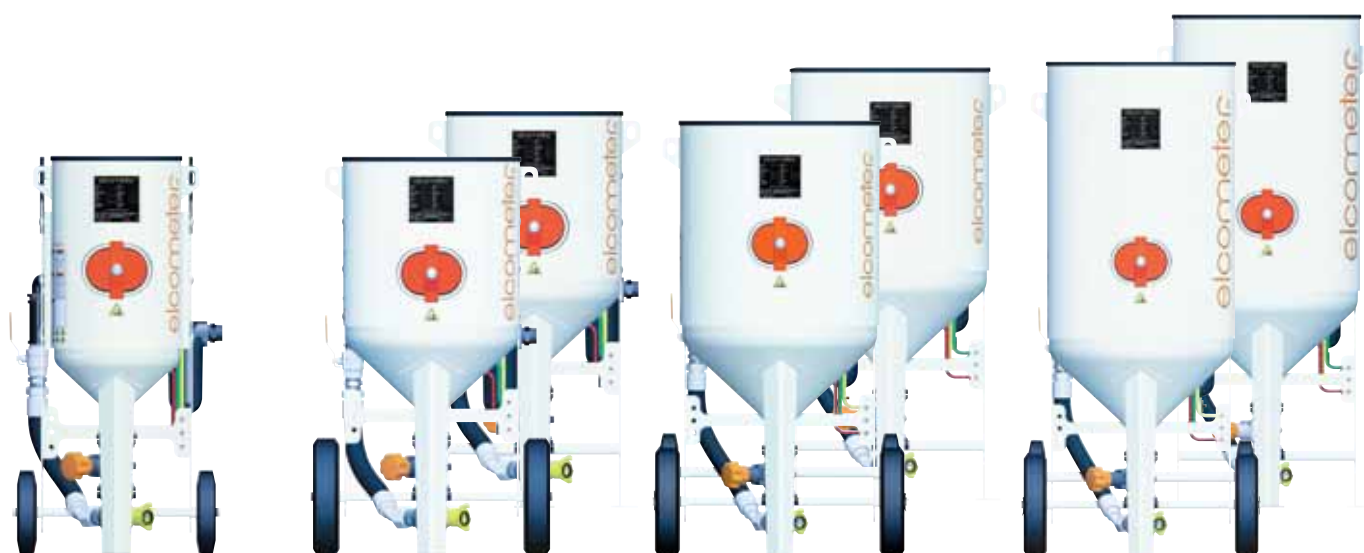
Elcometer 1460	Elcometer 20100	Elcometer 24200	Elcometer 24285
60 litres (2.11cu ft)	100 litres (3.53cu ft)	200 litres (7.06cu ft)	285 litres (10.06cu ft)
140kg (308lbs)	234kg (515lbs)	468kg (1031lbs)	667kg (1469lbs)
264kg (580lbs)	440kg (971lbs)	880kg (1942lbs)	1254kg (2767lbs)
■	■	■	■
	■	■	■
FV	FV	FV	FV
GV	GV	GV	GV
AGV	AGV	AGV	AGV
356mm (14")	508mm (20")	610mm (24")	610mm (24")
1165mm (46")	1175mm (46")	1380mm (54")	1665mm (66")
615mm (24")	704mm (28")	794mm (31")	794mm (31")
714mm (28")	865mm (34")	1109mm (44")	1109mm (44")
107kg (236lbs)	153kg (337 lbs)	205kg (452lbs)	231kg (509lbs)

Elcometer 1020

20 litre
0.70cu ft

The **Elcometer 1020** is a 20 litre (0.70cu ft) 10" Portable Abrasive Blast Machine ideal for small blasting applications and touch up work.

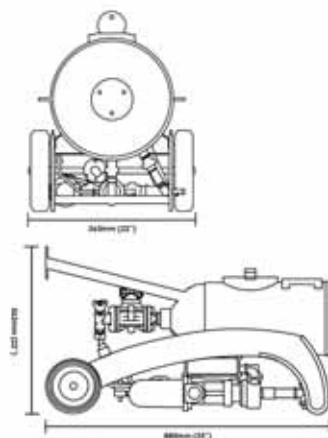Ideal for touch-up applications and spot blasting

Compact, low profile size is easy to fill with abrasive

Heavy duty wheels are ideal for manoeuvring in small spaces

Available with a range of media valves to suit your application

Tough 6mm (¼″) construction ensures long life span

Easy & quick to service

Kit Selection — Part Numbers

Elcometer Blast Machine Kits are available with:

Mini Flat Valve **(MF)**

Mini General Valve **(MG)**

	Kit 1 M1020-MFV1-B	Kit 1 M1020-MGV1-B	Kit 2 M1020-MFV2-B	Kit 2 M1020-MGV2-B
10" 20 litre (254mm 0.70cu ft) Abrasive Blast Machine	●	●	●	●
Pressure Test Certificate	●	●	●	●
RCV4000+ Remote Control Valve with Air Manifold, Exhaust & Silencer	●	●	●	●
10m (32.8ft) Pneumatic Control Hose & Deadman's Handle (DMHII)	●	●	●	●
Choke Valve and Pusher Line	●	●	●	●
Abrasive Metering Valve with Flanged T[1] and Metal Pot Coupling	MF	MG	MF	MG
Moisture Separator	●	●	●	●
10m 13mm (32.8ft, ½") ID Blast Hose with Cast Iron Hose Couplings & Nylon Nozzle Holder			●	●
Externally Mounted Sieve and Lid			●	●

Elcometer 1020 Portable Abrasive Blast Machine Technical Specification

Capacity[2]

Volume	20 litres	0.70cu ft
Aluminium Grit	47kg	102lbs
Steel Shot/Garnet	88kg	193lbs
Pot Diameter	254mm	10"
Height	880mm	35"
Width	565mm	22"
Depth	562mm	22"
Weight	70kg	154lbs
Pipework Diameter	19mm	¾"
Maximum Working Pressure (WP)[3]	12bar	174psi
Operating Temperature Range	0 to 60°C	32 to 140°F

Pressure 12 Bar — FAST · POWERFUL · SAFE · DURABLE

[1] Y Mixer for Mini Flat Valve versions.

[2] Garnet & steel shot capacity figures based on typical media bulk density. Note that bulk density also varies according to media size and grade.

[3] Do not operate this abrasive blast machine unless there is an appropriate safety pressure relief valve within the pressurised system as a whole.

Elcometer 1020 Portable Abrasive Blast Machine
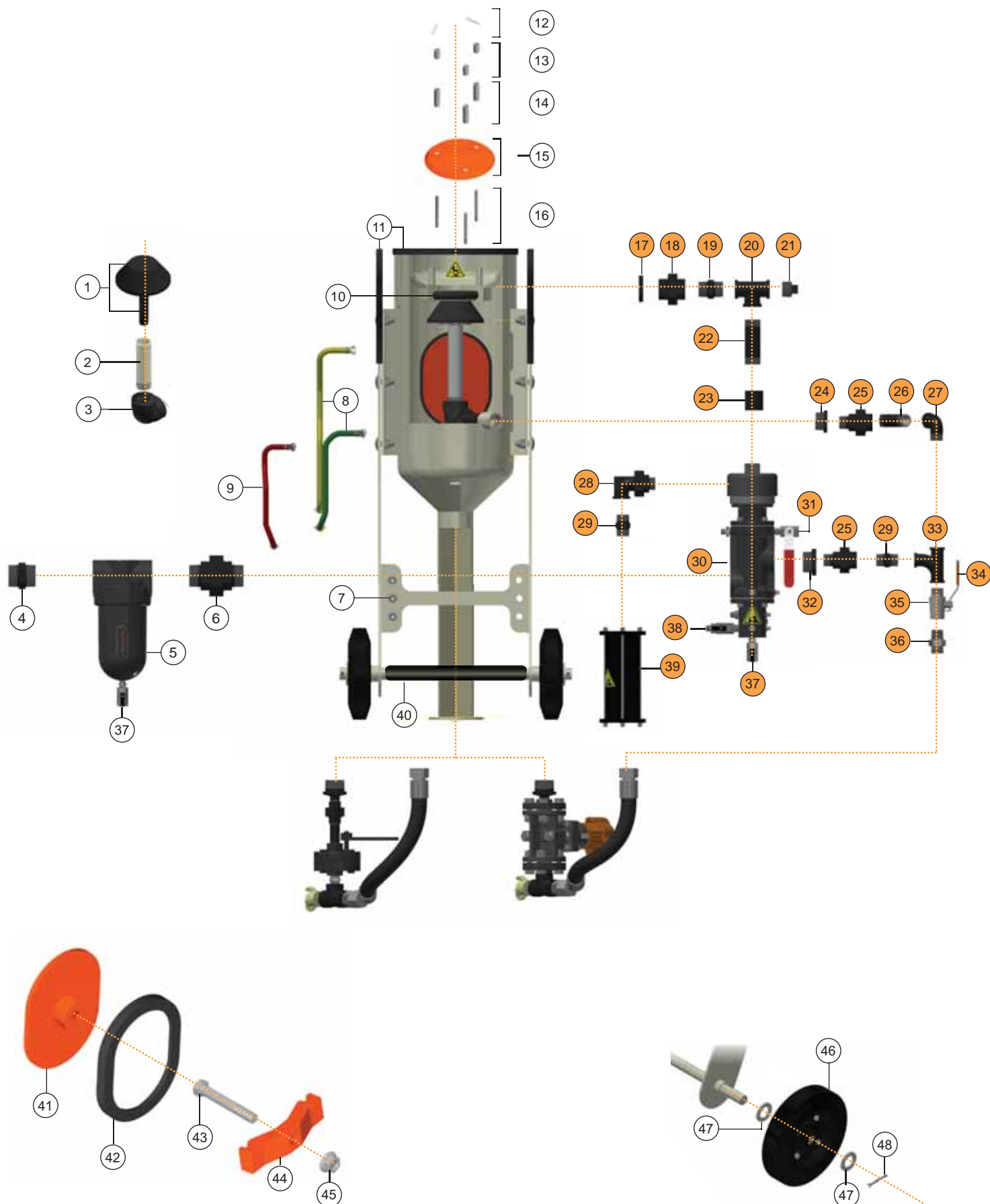
Elcometer 1020 Portable Abrasive Blast Machine

Spare Parts

Item	Part Number	Description
1	MT28622	Pop Up Valve
2	MT28631-1	1" (25mm) Pop Up Shaft for Elcometer 1020
3	MT29661	1" (25mm) Female 90° Equal Elbow (Service Item Only)
4	MT29663	1½" (38mm) Hex Nipple
5	MT28617	Moisture Separator Assembly
6	MT29662	1½" (38mm) Male/Male Union Taper Seat
7	MT29664	¼" (6mm) Bulkhead Connector (x3)
8	MT29665	Elcometer 1020 Twin Airline Hose Assembly (Yellow & Green)
9	MT29666	Airline Assembly for Elcometer 1020 (Red)
10	MT28627-5	Pop Up Valve O-Ring (x5)
11	MT29601	Protective Edging Strip Kit (2.7m) (8.9ft)
12	MT29667	Spring Cotter Pin Type E (x3)
13	MT29668	Short Deflector Plate Spacer - 9mm (0.3") (x3)
14	MT29669	Long Deflector Plate Spacer -18mm (¾") (x3)
15	MT29670	Deflector Plate
16	MT28629-1	Deflector Plate Shaft - 33mm (1.3") (x3)
17	MT29672	1" (25mm) Backnut (Recessed)
18	MT29673	1" (25mm) Female/Female Union Taper Seat
19	MT29679	1" (25mm) Hex Nipple
20	MT29680	1" (25mm) Exhaust T Assembly (complete with MT29681 Exhaust Plug)
21	MT29681	1" (25mm) Exhaust Plug
22	MT29682	1" (25mm) Pipe for Elcometer 1020 (98mm) (3.9")
23	MT29683	1" (25mm) Socket
24	MT29685	1" x ¾" Reducing Bush (25 x 19mm)
25	MT29684	¾" (19mm) Male/Female Equal Union Taper Seat
26	MT29686	¾" (19mm) Pipe for Elcometer 1020 (92mm)
27	MT29687	¾" (19mm) Male/Female 90° Elbow
28	MT28599	¾" (19mm) Reinforced Union Elbow
29	MT29688	¾" (19mm) Hex Nipple
30	MT29465	Elcometer RCV4000+ Remote Control Valve
31	MT29656	Petcock Valve Assembly - (Red Handle)
32	MT28595	1½" x ¾" Reducing Bush (38 x 19mm)
33	MT29689	¾" (19mm) Equal Pitcher T
34	MT30095	¾" (19mm) Choke Valve Handle
35	MT28610	¾" (19mm) Choke Valve Assembly (includes MT30095 Choke Valve Handle)
36	MT29691	¾" (19mm) 60° Cone Male/Male Adaptor
37	MT29658	¼" (6mm) Ball Valve Assembly - (Black Handle)
38	MT29660	¼" (6mm) Airline Ball Valve Assembly (Black Handle)
39	MT28597	Exhaust Silencer Assembly
40	MT29692-1	Protection Guard for Elcometer 1020
41	MT29693	Elcometer Inspection Hatch Door for Elcometer 1020
42	MT28613	ElcoFit™ Door Sealing Gasket
43	MT29695	Elcometer Inspection Door Hatch Bolt - M16 x 110mm
44	MT28615	Inspection Hatch Door Yoke
45	MT29696	M16 Hexagon Flanged Nut
46	MT28635	Ø200mm (7.9") Diameter Wheel (x1)
47	MT29697	Flat Washer (x8)
48	MT29698	Split Cotter Pin (x4)
-	MT29490-1	Elcometer RCV4000+ & Pipework Assembly Service Kit (contains items in orange)
-	MT29180	Elcometer Safety Label Kit

Elcometer 1440

40 litre
1.41cu ft

The **Elcometer 1440** Portable Abrasive Blast Machine is ideal for mobile contractors completing small blasting applications.
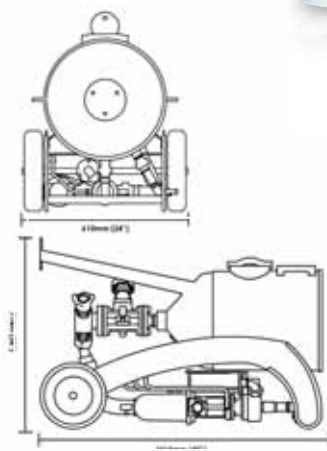
Ideal for touch-up applications and spot blasting

Compact size with heavy duty wheels make for easy manoeuvre in small spaces

Available with a range of media valves to suit your application

Heavy duty 6mm (¼″) construction

Easy & quick to service

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Kit Selection | Part Numbers

Elcometer Blast Machine Kits are available with:

	Kit 1			Kit 2		
	M1440-FV1-B	M1440-GV1-B	M1440-AGV1-B	M1440-FV2-B	M1440-GV2-B	M1440-AGV2-B
Flat Valve **(F)** — General Media Valve **(G)** — Automatic General Valve **(A)**						
14" 40 litre (355mm, 1.41cu ft) Abrasive Blast Machine	●	●	●	●	●	●
Pressure Test Certificate	●	●	●	●	●	●
RCV4000+ Remote Control Valve with Air Manifold, Exhaust & Silencer	●	●	●	●	●	●
20m (65.6ft) Pneumatic Control Hose & Deadman's Handle (DMHII)	●	●	●	●	●	●
Choke Valve and Pusher Line	●	●	●	●	●	●
Abrasive Metering Valve with Mixer T[1] and Metal Pot Coupling	F	G	A	F	G	A
Moisture Separator	●	●	●	●	●	●
20m 1¼" (65.6ft, 32mm) ID Blast Hose with Cast Iron Hose Couplings & Nylon Nozzle Holder				●	●	●
Externally Mounted Sieve and Lid				●	●	●

Elcometer 1440 Portable Abrasive Blast Machine Technical Specification

Capacity[2]

Volume	40 litres	1.41cu ft
Aluminium Grit	94kg	206lbs
Steel Shot/Garnet	176kg	388lbs
Pot Diameter	355mm	14"
Height	1015mm	40"
Width	615mm	24"
Depth	714mm	28"
Weight	95kg	209lbs
Pipework Diameter	38mm	1½"
Maximum Working Pressure (WP)[3]	12bar	174psi
Operating Temperature Range	0 to 60°C	32 to 140°F

Pressure **12 Bar** 174psi — FAST · POWERFUL · SAFE · DURABLE

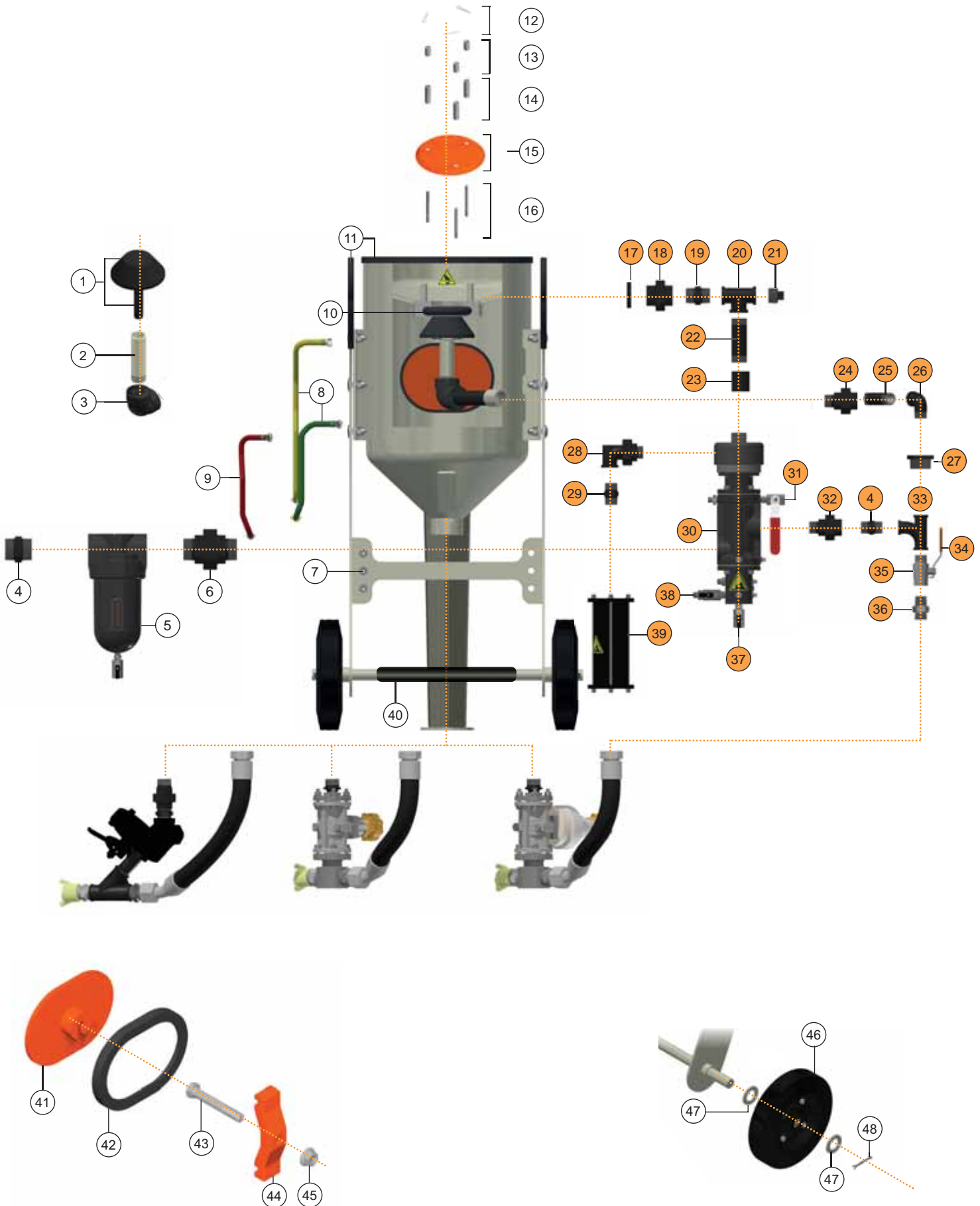[1.] Y Mixer for Flat Valve versions.

[2.] Garnet & steel shot capacity figures based on typical media bulk density. Note that bulk density also varies according to media size and grade.

[3.] Do not operate this abrasive blast machine unless there is an appropriate safety pressure relief valve within the pressurised system as a whole.

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Elcometer 1440 Portable Abrasive Blast Machine

Elcometer 1440 Portable Abrasive Blast Machine

Spare Parts

Item	Part Number	Description
1	MT28622	Pop Up Valve
2	MT28631-2	1" (25mm) Pop Up Shaft for Elcometer 1440
3	MT29661	1" (25mm) Female 90° Equal Elbow (Service Item Only)
4	MT29663	1½" (38mm) Hex Nipple
5	MT28617	Moisture Separator Assembly
6	MT29662	1½" (38mm) Male/Male Union Taper Seat
7	MT29664	¼" (6mm) Bulkhead Connector (x3)
8	MT29699	Elcometer 1440 Twin Airline Hose Assembly (Yellow & Green)
9	MT29700	Airline Assembly for Elcometer 1440 (Red)
10	MT28627-5	Pop Up Valve O-Ring (x5)
11	MT29601	Protective Edging Strip Kit (2.7m) (8.9ft)
12	MT29667	Spring Cotter Pin Type E (x3)
13	MT29701	Short Deflector Plate Spacer - 16mm (0.6") (x3)
14	MT29702	Long Deflector Plate Spacer - 30mm (1.2") (x3)
15	MT29670	Deflector Plate
16	MT28629-2	Deflector Plate Shaft - 51mm (2") (x3)
17	MT29672	1" (25mm) Backnut (Recessed)
18	MT29673	1" (25mm) Female/Female Union Taper Seat
19	MT29679	1" (25mm) Hex Nipple
20	MT29680	1" (25mm) Exhaust T Assembly (complete with MT29681 Exhaust Plug)
21	MT29681	1" (25mm) Exhaust Plug
22	MT30121	1" (25mm) Pipe for Elcometer 1440 (79mm)
23	MT29683	1" (25mm) Socket
24	MT29704	1" (25mm) Male/Female Equal Union Taper Seat
25	MT30120	1" (25mm) Pipe for Elcometer 1440 (115mm) (4½")
26	MT29706	1" (25mm) Male/Female 90° Elbow
27	MT29707	1" to 1½" Reducing Bush (25 x 38mm)
28	MT28599	¾" (19mm) Reinforced Union Elbow
29	MT29688	¾" (19mm) Hex Nipple
30	MT29465	Elcometer RCV4000+ Remote Control Valve
31	MT29656	Petcock Valve Assembly (Red Handle)
32	MT30122-5	1½" (38mm) Male/Female Equal Union Taper Seat
33	MT29708	1½" (38mm) Equal Pitcher T
34	MT30094	1½" (38mm) Choke Valve Handle
35	MT29177	1½" (38mm) Choke Valve Assembly (include MT30094 Choke Valve Handle)
36	MT29710	1½" (38mm) 60° Cone Male/Male Adaptor
37	MT29658	¼" (6mm) Ball Valve Assembly (Black Handle)
38	MT29660	¼" (6mm) Airline Ball Valve Assembly (Black Handle)
39	MT28597	Exhaust Silencer Assembly
40	MT29692-2	Protection Guard for Elcometer 1440
41	MT28616	Elcometer Inspection Hatch Door for Elcometer 1440
42	MT28613	ElcoFit™ Door Sealing Gasket
43	MT29695	Elcometer Inspection Door Hatch Bolt - M16 x 110mm
44	MT28615	Inspection Hatch Door Yoke
45	MT29696	M16 Hexagon Flanged Nut
46	MT28636	Ø250mm (9.8") Diameter Wheel (x1)
47	MT29697	Flat Washer (x8)
48	MT29698	Split Cotter Pin (x4)
-	MT29490-2	Elcometer RCV4000+ & Pipework Assembly Service Kit (contains items in orange)
-	MT29180	Elcometer Safety Label Kit

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Elcometer 1460

60 litre
2.11cu ft

The **Elcometer 1460** Portable Abrasive Blast Machine is ideal for mobile contractors or small blast rooms.
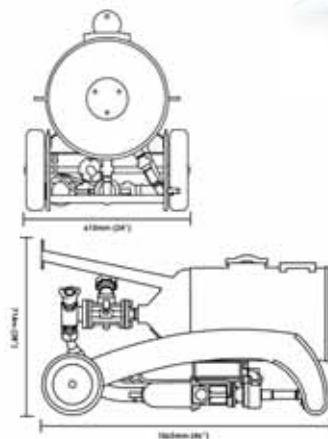
Ideal for small blast rooms and spot blasting

Small size makes it easy to manoeuvre

Available with a range of media valves to suit your application

Heavy duty 6mm (¼") construction

Easy & quick to service

Kit Selection — Part Numbers

Elcometer Blast Machine Kits are available with:

Flat Valve **(F)**

General Media Valve **(G)**

Automatic General Valve **(A)**

	Kit 1			Kit 2		
	M1460-FV1-B	M1460-GV1-B	M1460-AGV1-B	M1460-FV2-B	M1460-GV2-B	M1460-AGV2-B
14" 60 litre (355.6mm, 2.11cu ft) Abrasive Blast Machine	●	●	●	●	●	●
Pressure Test Certificate	●	●	●	●	●	●
RCV4000+ Remote Control Valve with Air Manifold, Exhaust & Silencer	●	●	●	●	●	●
20m (65.6ft) Pneumatic Control Hose & Deadman's Handle (DMHII)	●	●	●	●	●	●
Choke Valve and Pusher Line	●	●	●	●	●	●
Abrasive Metering Valve with Mixer T[1] and Metal Pot Coupling	F	G	A	F	G	A
Moisture Separator	●	●	●	●	●	●
20m 1¼" (65.6ft, 32mm) ID Blast Hose with Cast Iron Hose Couplings & Nylon Nozzle Holder				●	●	●
Externally Mounted Sieve and Lid				●	●	●

Elcometer 1460 Portable Abrasive Blast Machine Technical Specification

Capacity[2]

Volume	60 litres	2.11cu ft
Aluminium Grit	140kg	308lbs
Steel Shot/Garnet	264kg	580lbs
Pot Diameter	355mm	14"
Height	1065mm	46"
Width	615mm	24"
Depth	714mm	28"
Weight	95kg	209lbs
Pipework Diameter	38mm	1½"
Maximum Working Pressure (WP)[3]	12bar	174psi
Operating Temperature Range	0 to 60°C	32 to 140°F

12 Bar 174psi — Pressure · FAST · POWERFUL · SAFE · DURABLE

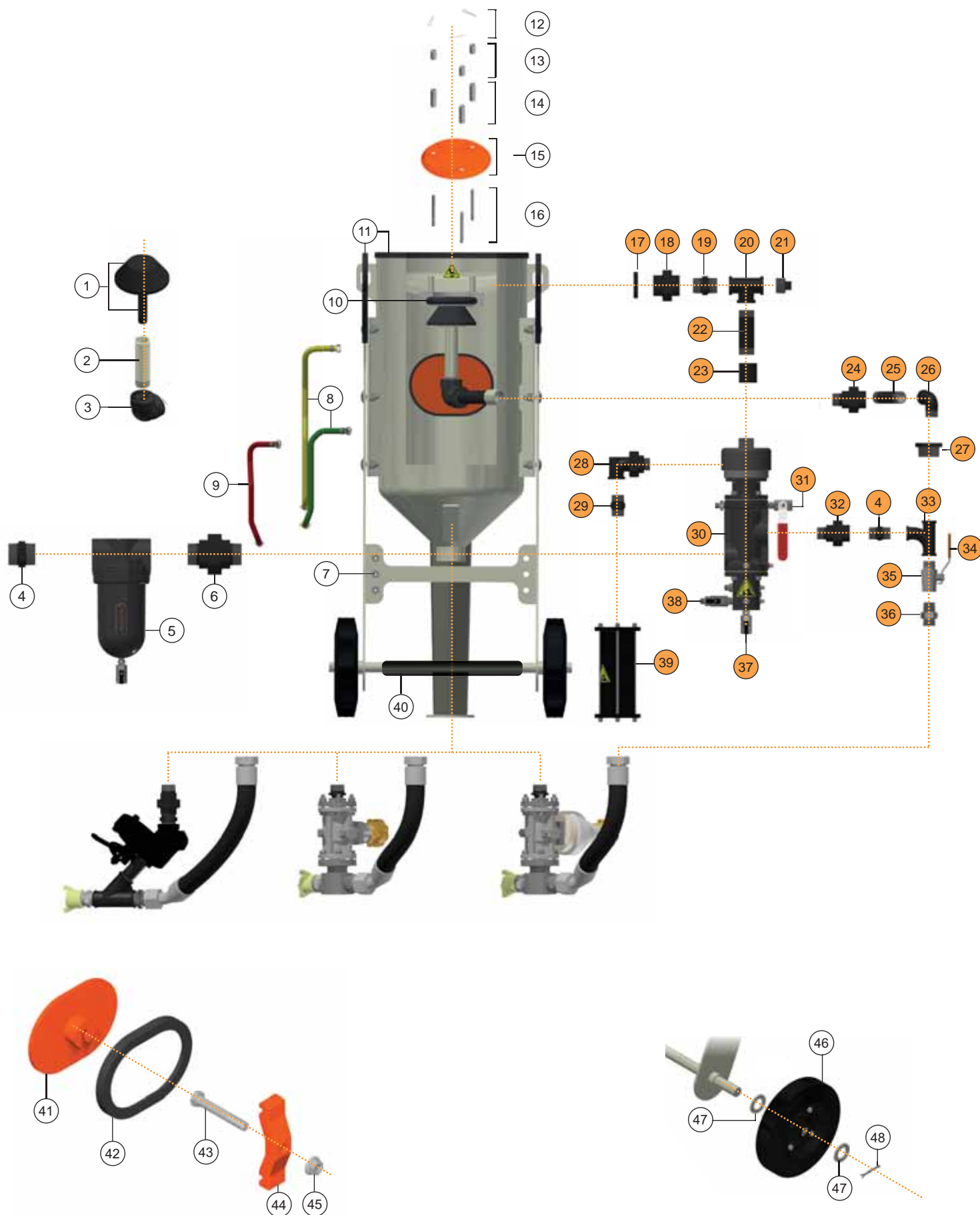[1.] Y Mixer for Flat Valve versions.

[2.] Garnet & steel shot capacity figures based on typical media bulk density. Note that bulk density also varies according to media size and grade.

[3.] Do not operate this abrasive blast machine unless there is an appropriate safety pressure relief valve within the pressurised system as a whole.

elcometer.

Elcometer 1460 Portable Abrasive Blast Machine

Elcometer 1460 Portable Abrasive Blast Machine

Spare Parts

Item	Part Number	Description
1	MT28622	Pop Up Valve
2	MT28631-3	1" (25mm) Pop Up Shaft for Elcometer 1460
3	MT29661	1" (25mm) Female 90° Equal Elbow (Service Item Only)
4	MT29663	1½" (38mm) Hex Nipple
5	MT28617	Moisture Separator Assembly
6	MT29662	1½" (38mm) Male/Male Union Taper Seat
7	MT29664	¼" (6mm) Bulkhead Connector (x3)
8	MT29711	Elcometer 1460 Twin Airline Hose Assembly (Yellow & Green)
9	MT29712	Airline Assembly for Elcometer 1460 (Red)
10	MT28627-5	Pop Up Valve O-Ring (x5)
11	MT29601	Protective Edging Strip Kit (2.7m) (8.9ft)
12	MT29667	Spring Cotter Pin Type E (x3)
13	MT29701	Short Deflector Plate Spacer - 16mm (0.6") (x3)
14	MT29702	Long Deflector Plate Spacer - 30mm (1.2") (x3)
15	MT29670	Deflector Plate
16	MT28629-2	Deflector Plate Shaft - 51mm (2") (x3)
17	MT29672	1" (25mm) Backnut (Recessed)
18	MT29673	1" (25mm) Female/Female Union Taper Seat
19	MT29679	1" (25mm) Hex Nipple
20	MT29680	1" (25mm) Exhaust T Assembly (complete with MT29681 Exhaust Plug)
21	MT29681	1" (25mm) Exhaust Plug
22	MT29714	1" (25mm) Pipe for Elcometer 1460 (110mm) (4.3")
23	MT29683	1" (25mm) Socket
24	MT29704	1" (25mm) Male/Female Equal Union Taper Seat
25	MT29713	1" (25mm) Pipe for Elcometer 1460 (126mm) (5")
26	MT29706	1" (25mm) Male/Female 90° Elbow
27	MT29707	1" to 1½" Reducing Bush (25 x 38mm)
28	MT28599	¾" (19mm) Reinforced Union Elbow
29	MT29688	¾" (19mm) Hex Nipple
30	MT29465	Elcometer RCV4000+ Remote Control Valve
31	MT29656	Petcock Valve Assembly (Red Handle)
32	MT30122-5	1½" (38mm) Male/Female Equal Union Taper Seat
33	MT29708	1½" (38mm) Equal Pitcher T
34	MT30094	1½" (38mm) Choke Valve Handle
35	MT29177	1½" (38mm) Choke Valve Assembly (include MT30094 Choke Valve Handle)
36	MT29710	1½" (38mm) 60° Cone Male/Male Adaptor
37	MT29658	¼" (6mm) Ball Valve Assembly (Black Handle)
38	MT29660	¼" (6mm) Airline Ball Valve Assembly (Black Handle)
39	MT28597	Exhaust Silencer Assembly
40	MT29692-2	Protection Guard for Elcometer 1460
41	MT28616	Elcometer Inspection Hatch Door for Elcometer 1460
42	MT28613	ElcoFit™ Door Sealing Gasket
43	MT29695	Elcometer Inspection Door Hatch Bolt - M16 x 110mm
44	MT28615	Inspection Hatch Door Yoke
45	MT29696	M16 Hexagon Flanged Nut
46	MT28636	Ø250mm (9.8") Diameter Wheel (x1)
47	MT29697	Flat Washer (x8)
48	MT29698	Split Cotter Pin (x4)
-	MT29490-3	Elcometer RCV4000+ & Pipework Assembly Service Kit (contains items in orange)
-	MT29180	Elcometer Safety Label Kit

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Elcometer 20100

100 litre
3.53cu ft

The **Elcometer 20100** Abrasive Blast Machine is ideal for mobile contractors requiring continuous high production blasting.
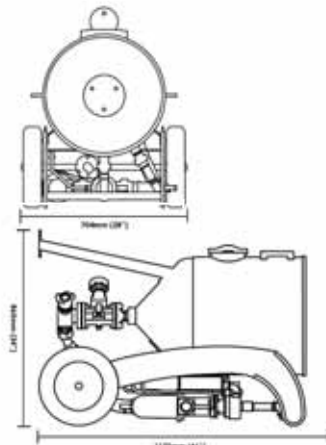
- Ideal for continuous blasting applications

- Also available as a static machine, ideal for truck mounting or fixing in a blast room

- Available with a range of media valves to suit your application

- Heavy duty 6mm (¼″) construction

- Easy & quick to service

Kit Selection | Part Numbers

Elcometer Blast Machine Kits are available with:

Flat Valve **(F)**

General Media Valve **(G)**

Automatic General Valve **(A)**

	Portable						Static					
	Kit 1			Kit 2			Kit 1			Kit 2		
	M20100-FV1-B	M20100-GV1-B	M20100-AGV1-B	M20100-FV2-B	M20100-GV2-B	M20100-AGV2-B	M20100S-FV1-B	M20100S-GV1-B	M20100S-AGV1-B	M20100S-FV2-B	M20100S-GV2-B	M20100S-AGV2-B
20" 100 litre (508mm, 3.53cu ft) Abrasive Blast Machine	●	●	●	●	●	●	●	●	●	●	●	●
Pressure Test Certificate	●	●	●	●	●	●	●	●	●	●	●	●
RCV4000+ Remote Control Valve with Air Manifold, Exhaust & Silencer	●	●	●	●	●	●	●	●	●	●	●	●
20m (65.6ft) Pneumatic Control Hose & Deadman's Handle (DMHII)	●	●	●	●	●	●	●	●	●	●	●	●
Choke Valve and Pusher Line	●	●	●	●	●	●	●	●	●	●	●	●
Abrasive Metering Valve with Mixer T[1] and Metal Pot Coupling	F	G	A	F	G	A	F	G	A	F	G	A
Moisture Separator	●	●	●	●	●	●	●	●	●	●	●	●
20m 1¼" (65.6ft, 32mm) ID Blast Hose with Cast Iron Hose Couplings & Nylon Nozzle Holder				●	●	●				●	●	●
Externally Mounted Sieve and Lid				●	●	●				●	●	●

Elcometer 20100 Abrasive Blast Machine Technical Specification

Capacity[2]

Volume	100 litres	3.53cu ft
Aluminium Grit	234kg	515lbs
Steel Shot/Garnet	440kg	971lbs
Pot Diameter	508mm	20"
Height	1175mm	46"
Width	704mm	28"
Depth	865mm	34"
Weight	153kg	337lbs
Pipework Diameter	38mm	1½"
Maximum Working Pressure (WP)[3]	12bar	174psi
Operating Temperature Range	0 to 60°C	32 to 140°F

Pressure
FAST · POWERFUL
12 Bar
SAFE · DURABLE
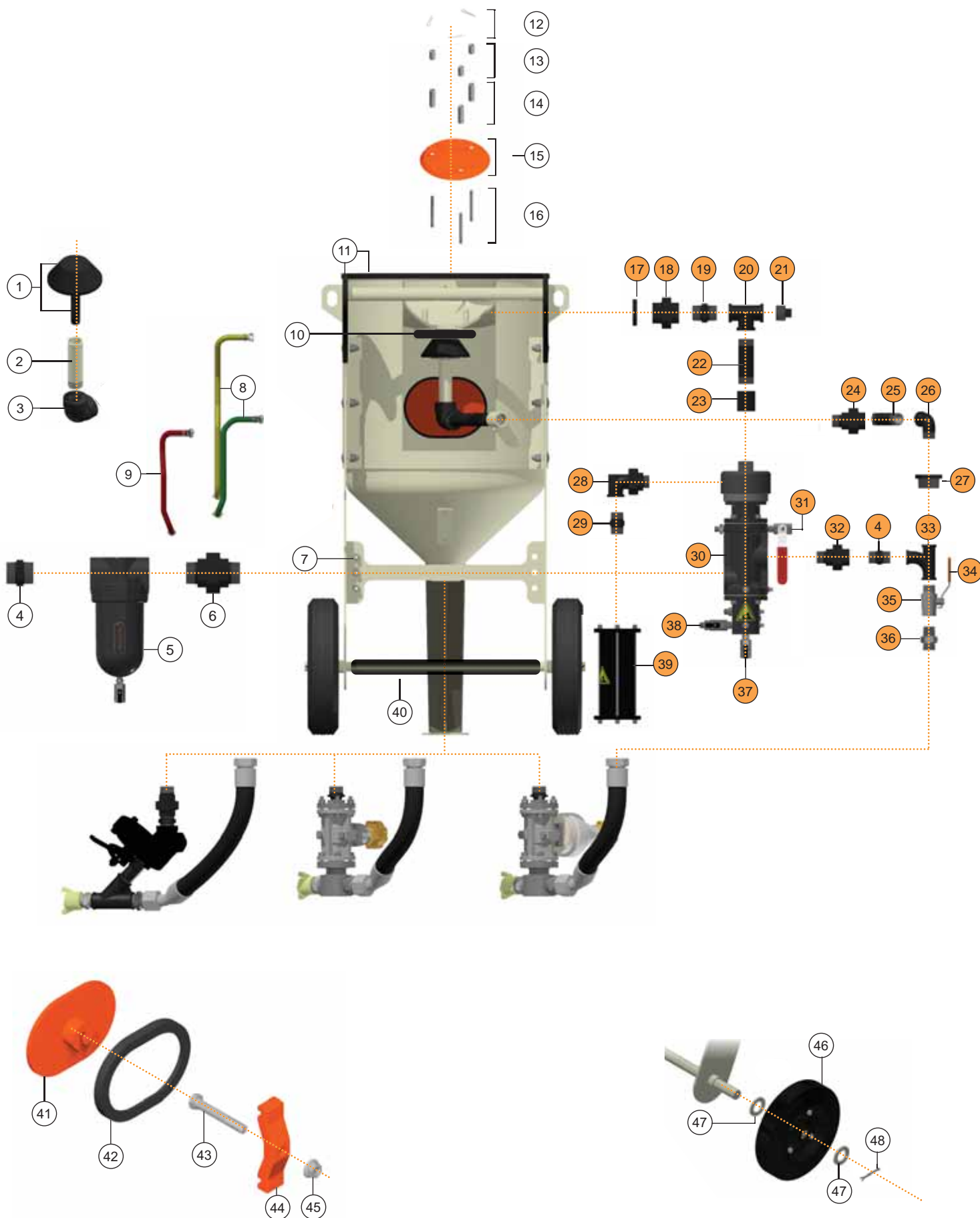174psi

[1.] Y Mixer for Flat Valve versions.

[2.] Garnet & steel shot capacity figures based on typical media bulk density. Note that bulk density also varies according to media size and grade.

[3.] Do not operate this abrasive blast machine unless there is an appropriate safety pressure relief valve within the pressurised system as a whole.

Elcometer 20100 Portable Abrasive Blast Machine

Elcometer 20100 Portable Abrasive Blast Machine

Spare Parts

Item	Part Number	Description
1	MT28622	Pop Up Valve
2	MT28631-4	1" (25mm) Pop Up Shaft for Elcometer 20100
3	MT29661	1" (25mm) Female 90° Equal Elbow (Service Item Only)
4	MT29663	1½" (38mm) Hex Nipple
5	MT28617	Moisture Separator Assembly
6	MT29662	1½" (38mm) Male/Male Union Taper Seat
7	MT29664	¼" (6mm) Bulkhead Connector (x3)
8	MT29716	Elcometer 20100 Twin Airline Hose Assembly (Yellow & Green)
9	MT29717	Airline Assembly for Elcometer 20100 (Red)
10	MT28627-5	Pop Up Valve O-Ring (x5)
11	MT29601	Protective Edging Strip Kit (2.7m) (8.9ft)
12	MT29667	Spring Cotter Pin Type E (x3)
13	MT29719	Short Deflector Plate Spacer - 25mm (x3) (1")
14	MT29720	Long Deflector Plate Spacer - 51mm (x3) (2")
15	MT29670	Deflector Plate
16	MT28629-3	Deflector Plate Shaft - 82mm (3.2") (x3)
17	MT29672	1" (25mm) Backnut (Recessed)
18	MT29673	1" (25mm) Female/Female Union Taper Seat
19	MT29679	1" (25mm) Hex Nipple
20	MT29680	1" (25mm) Exhaust T Assembly (complete with MT29681 Exhaust Plug)
21	MT29681	1" (25mm) Exhaust Plug
22	MT29718	1" (25mm) Pipe for Elcometer 20100 (118mm) (4.6")
23	MT29683	1" (25mm) Socket
24	MT29704	1" (25mm) Male/Female Equal Union Taper Seat
25	MT29682	1" (25mm) Pipe for Elcometer 20100 (98mm) (3.9")
26	MT29706	1" (25mm) Male/Female 90° Elbow
27	MT29707	1" to 1½" Reducing Bush (25 x 38mm)
28	MT28599	¾" (19mm) Reinforced Union Elbow
29	MT29688	¾" (19mm) Hex Nipple
30	MT29465	Elcometer RCV4000+ Remote Control Valve
31	MT29656	Petcock Valve Assembly (Red Handle)
32	MT30122-5	1½" (38mm) Male/Female Equal Union Taper Seat
33	MT29708	1½" (38mm) Equal Pitcher T
34	MT30094	1½" (38mm) Choke Valve Handle
35	MT29177	1½" (38mm) Choke Valve Handle (includes MT30094 Choke Valve Handle)
36	MT29710	1½" (38mm) 60° Cone Male/Male Adaptor
37	MT29658	¼" (6mm) Ball Valve Assembly (Black Handle)
38	MT29660	¼" (6mm) Airline Ball Valve Assembly (Black Handle)
39	MT28597	Exhaust Silencer Assembly
40	MT29692-3	Protection Guard for Elcometer 20100
41	MT28616	Elcometer Inspection Hatch Door for Elcometer 20100
42	MT28613	ElcoFit™ Door Sealing Gasket
43	MT29695	Elcometer Inspection Door Hatch Bolt - M16 x 110mm
44	MT28615	Inspection Hatch Door Yoke
45	MT29696	M16 Hexagon Flanged Nut
46	MT28637	Ø350mm (13.8") Diameter Wheel (x1)
47	MT29697	Flat Washer (x8)
48	MT29698	Split Cotter Pin (x4)
-	MT29490-4	Elcometer RCV4000+ & Pipework Assembly Service Kit (contains items in orange)
-	MT29180	Elcometer Safety Label Kit

Elcometer 24200

200 litre
7.06cu ft

The **Elcometer 24200** Abrasive Blast Machine is ideal for continuous high production blasting as its large capacity reduces down time refilling the hopper.

Ideal for high volume work, easy to fill with large capacity

Choice of static or twin wheeled portable machine that is safe and easy to manoeuvre

Available with a range of media valves to suit your application

Heavy duty 6mm (¼″) construction

Easy & quick to service

Kit Selection / Part Numbers

Elcometer Blast Machine Kits are available with:

Flat Valve **(F)** · General Media Valve **(G)** · Automatic General Valve **(A)**

	Portable Kit 1			Portable Kit 2			Static Kit 1			Static Kit 2		
	M24200-FV1-B	M24200-GV1-B	M24200-AGV1-B	M24200-FV2-B	M24200-GV2-B	M24200-AGV2-B	M24200S-FV1-B	M24200S-GV1-B	M24200S-AGV1-B	M24200S-FV2-B	M24200S-GV2-B	M24200S-AGV2-B
24" 200 litre (610mm, 7.06cu ft) Abrasive Blast Machine	●	●	●	●	●	●	●	●	●	●	●	●
Pressure Test Certificate	●	●	●	●	●	●	●	●	●	●	●	●
RCV4000+ Remote Control Valve with Air Manifold, Exhaust & Silencer	●	●	●	●	●	●	●	●	●	●	●	●
20m (65.6ft) Pneumatic Control Hose & Deadman's Handle (DMHII)	●	●	●	●	●	●	●	●	●	●	●	●
Choke Valve and Pusher Line	●	●	●	●	●	●	●	●	●	●	●	●
Abrasive Metering Valve with Mixer T and Metal Pot Coupling	F	G	A	F	G	A	F	G	A	F	G	A
Moisture Separator	●	●	●	●	●	●	●	●	●	●	●	●
20m 1¼" (65.6ft, 32mm) ID Blast Hose with Cast Iron Hose Couplings & Nylon Nozzle Holder				●	●	●				●	●	●
Externally Mounted Sieve and Lid				●	●	●				●	●	●

Elcometer 24200 Abrasive Blast Machine Technical Specification

Capacity[2]

Volume	200 litres	7.06cu ft
Aluminium Grit	468kg	1031lbs
Steel Shot/Garnet	880kg	1942lbs
Pot Diameter	610mm	24"
Height	1380mm	54"
Width	794mm	31"
Depth	1109mm	44"
Weight	205kg	452lbs
Pipework Diameter	38mm	1½"
Maximum Working Pressure (WP)[3]	12bar	174psi
Operating Temperature Range	0 to 60°C	32 to 140°F

Pressure 12 Bar — FAST · POWERFUL · SAFE · DURABLE
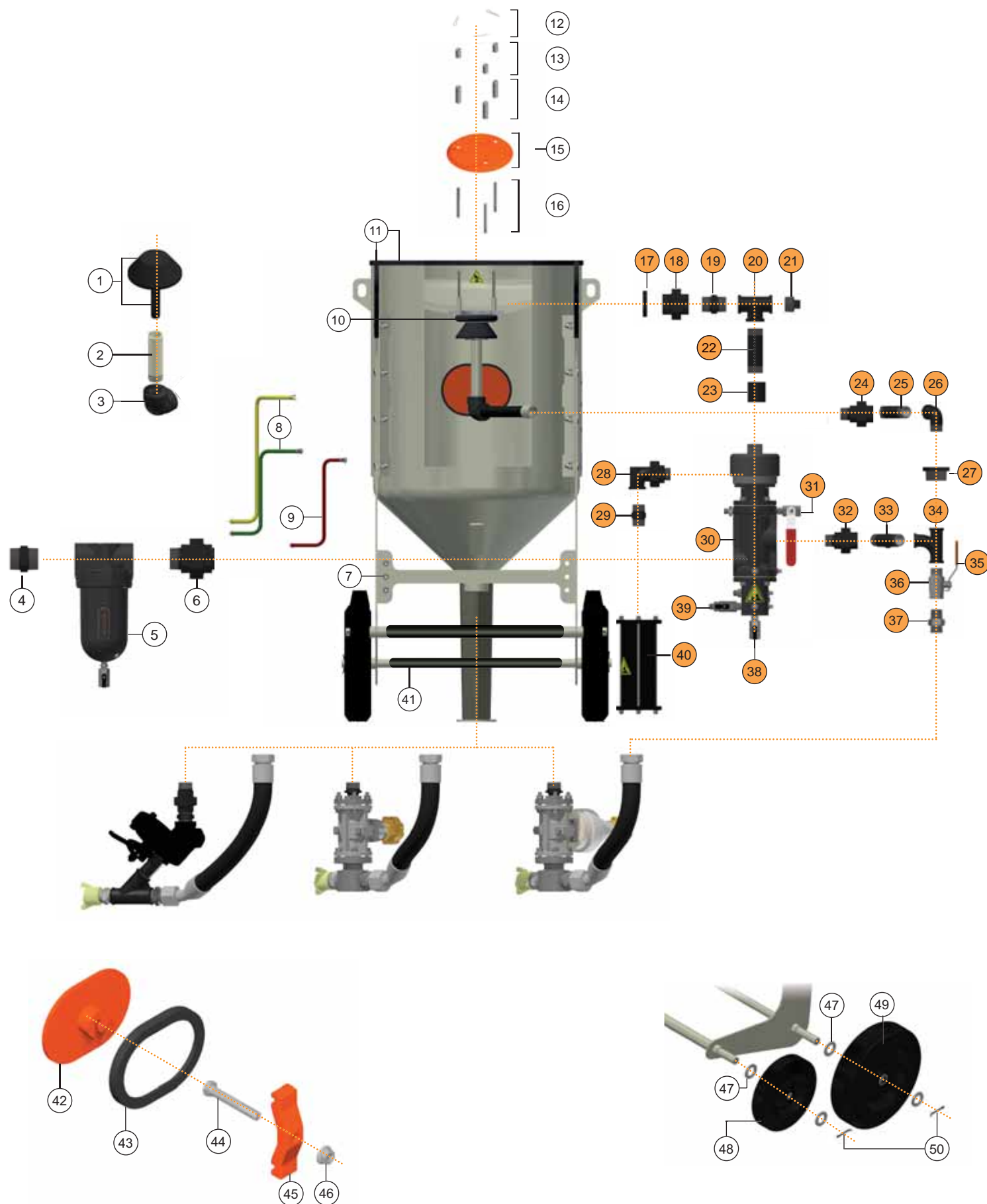
[1.] Y Mixer for Flat Valve versions.

[2.] Garnet & steel shot capacity figures based on typical media bulk density. Note that bulk density also varies according to media size and grade.

[3.] Do not operate this abrasive blast machine unless there is an appropriate safety pressure relief valve within the pressurised system as a whole.

Elcometer 24200 Portable Abrasive Blast Machine

Elcometer 24200 Portable Abrasive Blast Machine

Spare Parts

Item	Part Number	Description
1	MT28622	Pop Up Valve
2	MT28631-5	1" (25mm) Pop Up Shaft for Elcometer 24200
3	MT29661	1" (25mm) Female 90° Equal Elbow (Service Item Only)
4	MT29663	1½" (38mm) Hex Nipple
5	MT28617	Moisture Separator Assembly
6	MT29662	1½" (38mm) Male/Male Union Taper Seat
7	MT29664	¼" (6mm) Bulkhead Connector (x3)
8	MT29721	Elcometer 24200 Twin Airline Hose Assembly (Yellow & Green)
9	MT29722	Airline Assembly for Elcometer 24200 (Red)
10	MT28627-5	Pop Up Valve O-Ring (x5)
11	MT29601	Protective Edging Strip Kit (2.7m) (8.9ft)
12	MT29667	Spring Cotter Pin Type E (x3)
13	MT29719	Short Deflector Plate Spacer - 25mm (x3) (1")
14	MT29720	Long Deflector Plate Spacer - 51mm (x3) (2")
15	MT29670	Deflector Plate
16	MT28629-3	Deflector Plate Shaft - 82mm (x3) (3.2")
17	MT29672	1" (25mm) Backnut (Recessed)
18	MT29673	1" (25mm) Female/Female Union Taper Seat
19	MT29679	1" (25mm) Hex Nipple
20	MT29680	1" (25mm) Exhaust T Assembly (complete with MT29681 Exhaust Plug)
21	MT29681	1" (25mm) Exhaust Plug
22	MT29723	1" (25mm) Pipe for Elcometer 24200 (170mm) (6.7")
23	MT29683	1" (25mm) Socket
24	MT29704	1" (25mm) Male/Female Equal Union Taper Seat
25	MT29724	1" (25mm) Pipe for Elcometer 24200 (108mm) (4¼")
26	MT29706	1" (25mm) Male/Female 90° Elbow
27	MT29707	1" to 1 ½" Reducing Bush (25 x 38mm)
28	MT28599	¾" (19mm) Reinforced Union Elbow
29	MT29688	¾" (19mm) Hex Nipple
30	MT29465	Elcometer RCV4000+ Remote Control Valve
31	MT29656	Petcock Valve Assembly (Red Handle)
32	MT30122-5	1½" (38mm) Male/Female Equal Union Taper Seat
33	MT30127-1	1½" (38mm) Pipe for Elcometer 24200 (83mm) (3.3")
34	MT29708	1½" (38mm) Equal Pitcher T
35	MT30094	1½" (38mm) Choke Valve Handle
36	MT29177	1½" (38mm) Choke Valve Handle Assembly (includes MT30094 Choke Valve Handle)
37	MT29710	1½" (38mm) 60° Cone Male/Male Adaptor
38	MT29658	¼" (6mm) Ball Valve Assembly (Black Handle)
39	MT29660	¼" (6mm) Airline Ball Valve Assembly (Black Handle)
40	MT28597	Exhaust Silencer Assembly
41	MT29692-4	Protection Guard for Elcometer 24200
42	MT28616	Elcometer Inspection Hatch Door for Elcometer 24200
43	MT28613	ElcoFit™ Door Sealing Gasket
44	MT29695	Elcometer Inspection Door Hatch Bolt - M16 x 110mm
45	MT28615	Inspection Hatch Door Yoke
46	MT29696	M16 Hexagon Flanged Nut
47	MT29697	Flat Washer (x8)
48	MT28636	Ø250mm (9.8") Diameter Wheel (x1)
49	MT28637	Ø350mm (13.8") Diameter Wheel (x1)
50	MT29698	Split Cotter Pin (x4)
-	MT29490-5	Elcometer RCV4000+ & Pipework Assembly Service Kit (contains items in orange)
-	MT29180	Elcometer Safety Label Kit

Elcometer 24285

285 litre
10.06cu ft

The **Elcometer 24285** Abrasive Blast Machine is ideal for continuous high production blasting, on site or in a blast room.

- Ideal for site work or blast room installation
- One or two operators from a single blast machine
- Ideal for hopper filling
- Choice of static or twin wheeled portable machine that is safe and easy to manoeuvre
- Available with a range of media valves to suit your application
- Heavy duty 6mm (¼″) construction
- Easy & quick to service

Kit Selection — Part Numbers

Elcometer Blast Machine Kits are available with:

Flat Valve **(F)** · General Media Valve **(G)** · Automatic General Valve **(A)**

	Portable Kit 1			Portable Kit 2			Static Kit 1			Static Kit 2		
	M24285-FV1-B	M24285-GV1-B	M24285-AGV1-B	M24285-FV2-B	M24285-GV2-B	M24285-AGV2-B	M24285S-FV1-B	M24285S-GV1-B	M24285S-AGV1-B	M24285S-FV2-B	M24285S-GV2-B	M24285S-AGV2-B
24" 285 litre (610mm, 10.06cu ft) Abrasive Blast Machine	●	●	●	●	●	●	●	●	●	●	●	●
Pressure Test Certificate	●	●	●	●	●	●	●	●	●	●	●	●
RCV4000+ Remote Control Valve with Air Manifold, Exhaust & Silencer	●	●	●	●	●	●	●	●	●	●	●	●
20m (65.6ft) Pneumatic Control Hose & Deadman's Handle (DMHII)	●	●	●	●	●	●	●	●	●	●	●	●
Choke Valve and Pusher Line	●	●	●	●	●	●	●	●	●	●	●	●
Abrasive Metering Valve with Mixer T[1] and Metal Pot Coupling	F	G	A	F	G	A	F	G	A	F	G	A
Moisture Separator	●	●	●	●	●	●	●	●	●	●	●	●
20m 1¼" (65.6ft, 32mm) ID Blast Hose with Cast Iron Hose Couplings & Nylon Nozzle Holder				●	●	●				●	●	●
Externally Mounted Sieve and Lid				●	●	●				●	●	●

Elcometer 24285 Abrasive Blast Machine Technical Specification

Capacity[2]

Volume	285 litres	10.06cu ft
Aluminium Grit	667kg	1469lbs
Steel Shot/Garnet	1254kg	2767lbs
Pot Diameter	610mm	24"
Height	1665mm	66"
Width	794mm	31"
Depth	1109mm	44"
Weight	231kg	509lbs
Pipework Diameter	38mm	1½"
Maximum Working Pressure (WP)[3]	12bar	174psi
Operating Temperature Range	0 to 60°C	32 to 140°F

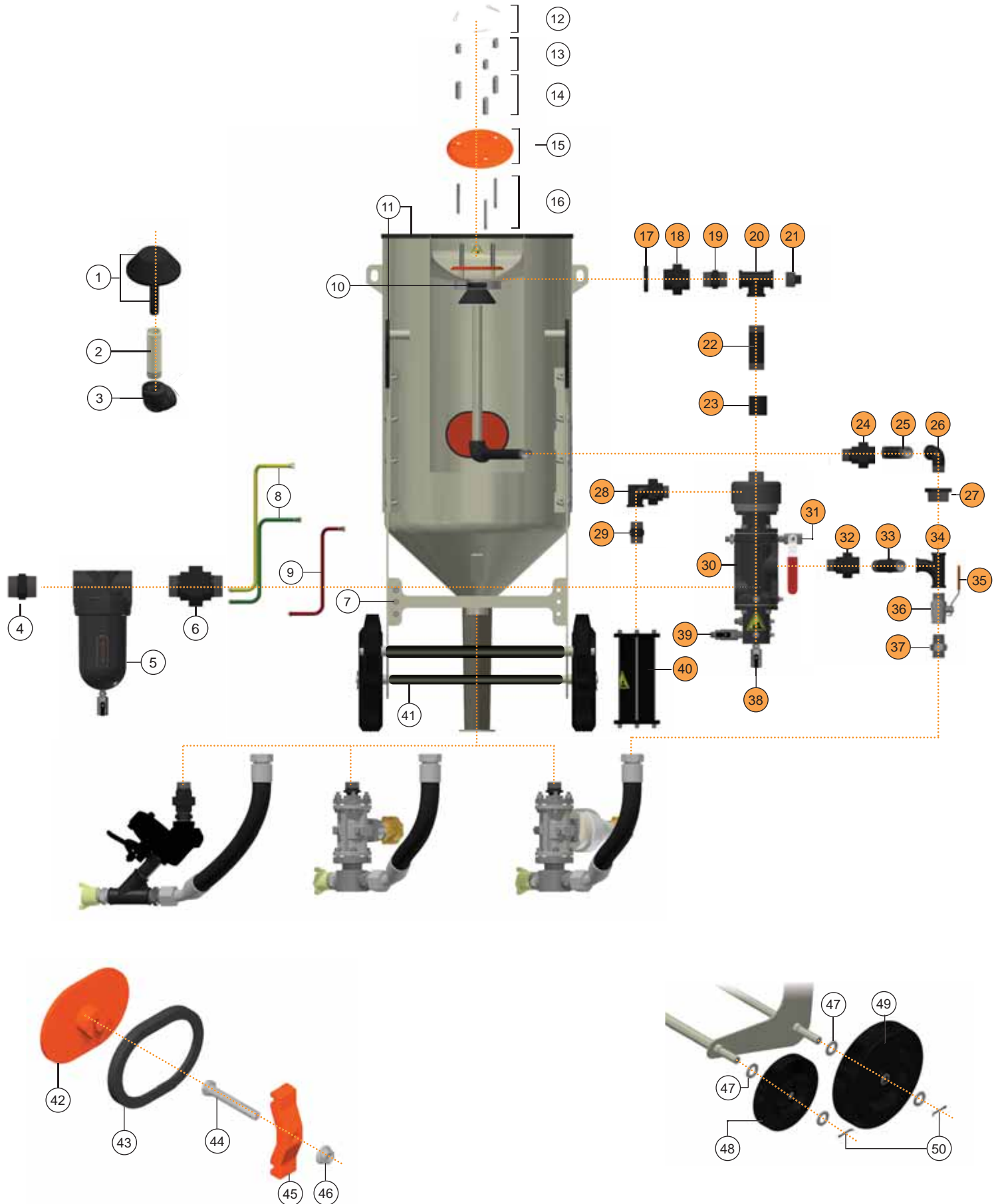**Pressure 12 Bar 174psi** — FAST · POWERFUL · SAFE · DURABLE

[1.] Y Mixer for Flat Valve versions.

[2.] Garnet & steel shot capacity figures based on typical media bulk density. Note that bulk density also varies according to media size and grade.

[3.] Do not operate this abrasive blast machine unless there is an appropriate safety pressure relief valve within the pressurised system as a whole.

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Elcometer 24285 Portable Abrasive Blast Machine

Elcometer 24285 Portable Abrasive Blast Machine

Spare Parts

Item	Part Number	Description
1	MT28622	Pop Up Valve
2	MT28631-6	1" (25mm) Pop Up Shaft for Elcometer 24285
3	MT29661	1" (25mm) Female 90° Equal Elbow (Service Item Only)
4	MT29663	1½" (38mm) Hex Nipple
5	MT28617	Moisture Separator Assembly
6	MT29662	1½" (38mm) Male/Male Union Taper Seat
7	MT29664	¼" (6mm) Bulkhead Connector (x3)
8	MT29727	Elcometer 24285 Twin Airline Hose Assembly (Yellow & Green)
9	MT29728	Airline Assembly for Elcometer 24285 (Red)
10	MT28627-5	Pop Up Valve O-Ring (x5)
11	MT29601	Protective Edging Strip Kit (2.7m) (8.9ft)
12	MT29667	Spring Cotter Pin Type E (x3)
13	MT29719	Short Deflector Plate Spacer - 25mm (x3) (1")
14	MT29720	Long Deflector Plate Spacer - 51mm (x3) (2")
15	MT29670	Deflector Plate
16	MT28629-3	Deflector Plate Shaft - 82mm (x3) (3.2")
17	MT29672	1" (25mm) Backnut (Recessed)
18	MT29673	1" (25mm) Female/Female Union Taper Seat
19	MT29679	1" (25mm) Hex Nipple
20	MT29680	1" (25mm) Exhaust T Assembly (complete with MT29681 Exhaust Plug)
21	MT29681	1" (25mm) Exhaust Plug
22	MT29729	1" (25mm) Pipe for Elcometer 24285 (448mm) (17.6")
23	MT29683	1" (25mm) Socket
24	MT29704	1" (25mm) Male/Female Equal Union Taper Seat
25	MT29730	1" (25mm) Pipe for Elcometer 24285 (106mm) (4.2")
26	MT29706	1" (25mm) Male/Female 90° Elbow
27	MT29707	1" to 1½" Reducing Bush (25 x 38mm)
28	MT28599	¾" (19mm) Reinforced Union Elbow
29	MT29688	¾" (19mm) Hex Nipple
30	MT29465	Elcometer RCV4000+ Remote Control Valve
31	MT29656	Petcock Valve Assembly (Red Handle)
32	MT30122-5	1½" (38mm) Male/Female Equal Union Taper Seat
33	MT29726	1½" (38mm) Pipe for Elcometer 24285 (84mm) (3.3")
34	MT29708	1½" (38mm) Equal Pitcher T
35	MT30094	1½" (38mm) Choke Valve Handle
36	MT29177	1½" (38mm) Choke Valve Handle Assembly (includes MT30094 Choke Valve Handle)
37	MT29710	1½" (38mm) 60° Cone Male/Male Adaptor
38	MT29658	¼" (6mm) Ball Valve Assembly (Black Handle)
39	MT29660	¼" (6mm) Airline Ball Valve Assembly (Black Handle)
40	MT28597	Exhaust Silencer Assembly
41	MT29692-4	Protection Guard for Elcometer 24285
42	MT28616	Elcometer Inspection Hatch Door for Elcometer 24285
43	MT28613	ElcoFit™ Door Sealing Gasket
44	MT29695	Elcometer Inspection Door Hatch Bolt - M16 x 110mm
45	MT28615	Inspection Hatch Door Yoke
46	MT29696	M16 Hexagon Flanged Nut
47	MT29697	Flat Washer (x8)
48	MT28636	Ø250mm (9.8") Diameter Wheel (x1)
49	MT28637	Ø350mm (13.8") Diameter Wheel (x1)
50	MT29698	Split Cotter Pin (x4)
-	MT29490-6	Elcometer RCV4000+ & Pipework Assembly Service Kit (contains items in orange)
-	MT29180	Elcometer Safety Label Kit