

EcoQuip™ 2

Vapor Abrasive™ Blast Equipment



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EcoQuip²: Makes Any Job Easier

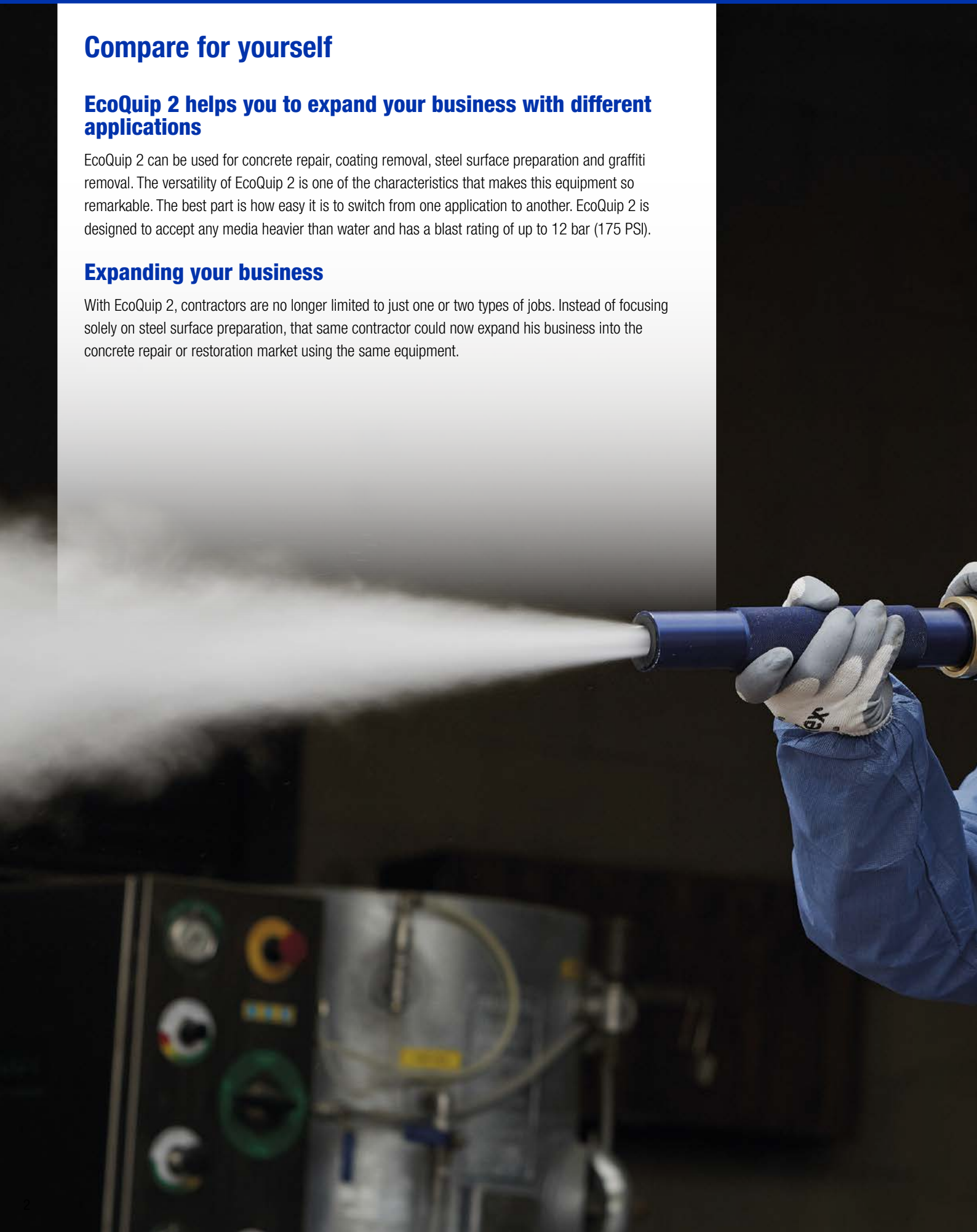
Compare for yourself

EcoQuip 2 helps you to expand your business with different applications

EcoQuip 2 can be used for concrete repair, coating removal, steel surface preparation and graffiti removal. The versatility of EcoQuip 2 is one of the characteristics that makes this equipment so remarkable. The best part is how easy it is to switch from one application to another. EcoQuip 2 is designed to accept any media heavier than water and has a blast rating of up to 12 bar (175 PSI).

Expanding your business

With EcoQuip 2, contractors are no longer limited to just one or two types of jobs. Instead of focusing solely on steel surface preparation, that same contractor could now expand his business into the concrete repair or restoration market using the same equipment.





Coating Removal



Concrete Repair & Restoration



Concrete Surface Preparation



Concrete Cleaning



Steel Surface Preparation

EcoQuip² : Vapor Abrasive Blast Equipment

The latest innovation in abrasive blasting



Fast

- 50% faster start-up*
- 50% faster media reload process from empty*
- Faster production rates than previous Graco models and equipment with similar technology



Easy

- Set-up EcoQuip 2 in just **five simple steps**
- No longer need to set pot pressure relative to blast pressure
- Easily adjust blast pressure and use media valve to regulate media



Reliable

- Every unit is tested using a state-of-the art bench before it ships
- Unparalleled customer and technical support to assist with equipment needs
- Components tested to the strictest Graco standards

**Compared to previous EcoQuip models*

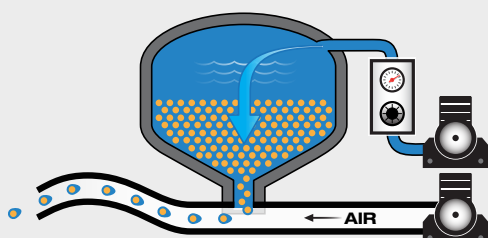
What is Vapor Abrasive Blasting

Vapor Abrasive blasting is similar to dry blasting, except that the blast media is moistened prior to impacting the surface and creates up to 92% less dust.

Less Dust Means Less Containment and Clean-up

Testing conducted by a third-party agency shows that vapor abrasive blasting suppresses up to 92% of dust compared to dry blasting.

Because dust is minimised, less containment may be required and media clean-up time can be reduced. Since EcoQuip 2 uses less water than slurry or other water-based technologies, no pools of water are left behind, and there is less need to worry about toxic runoff. The end result with EcoQuip 2 is a cleaner, more effectively contained process.



Vapor Abrasive blasting enables maximum control over the air pressure and water/abrasive mixture, allowing for blasting of a wider range of surfaces and reducing the amount of media.



EcoQuip²: Vapor Abrasive Blast Equipment

Engineered to be the best blast equipment on the market

Air inlet filter/ball valve

- Protects blast circuit from incoming debris
- Convenient shut-off point

Heavy-duty roto-moulded tank

- Water hose hook-up
- Capacity for a typical eight-hour day

Ventless pot

- No trapped air - consistent blast pattern
- 50% more usable capacity than previous EcoQuip models
- Two-layer A-coat/powder coat for maximum corrosion resistance
- Patent-pending

Hose rack

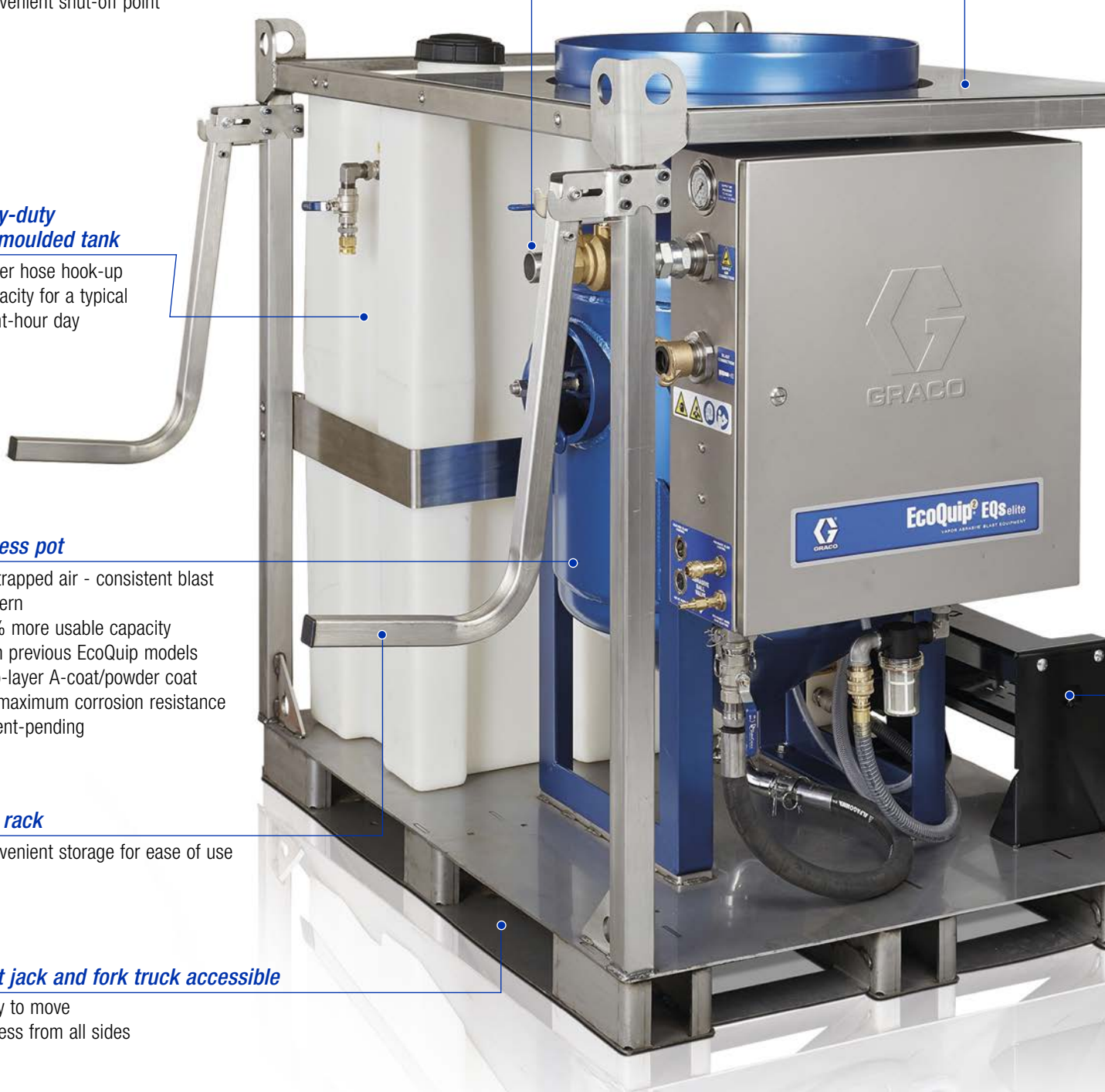
- Convenient storage for ease of use

Pallet jack and fork truck accessible

- Easy to move
- Access from all sides

Media shelf

- Easier bag load management



ECOQUIP 2 EQS ELITE

MediaTrak™

- Easily monitors media usage

Abrasive meter

- Set abrasive meter for desired performance

Water inlet filter

- See-through design for easy maintenance

Blast pressure regulator

- Set blast pressure for desired performance

Water dose meter

- Additional dust-suppression

ECOQUIP 2 EQS ELITE

Improved funnel design

- 30% faster media fill speed than previous EcoQuip models

Engineered blast circuit

- Smooth flow design for minimal pressure drop
- Handles low and high air flow/pressure applications

Graco water pump

- Enclosed, spring-loaded throat seal
- Easy-to-service air valve

Easy-step

- Reduces fatigue
- Foldable for storage purposes

Rapid take-down blast circuit

- Easy to service

Improved pinch valve

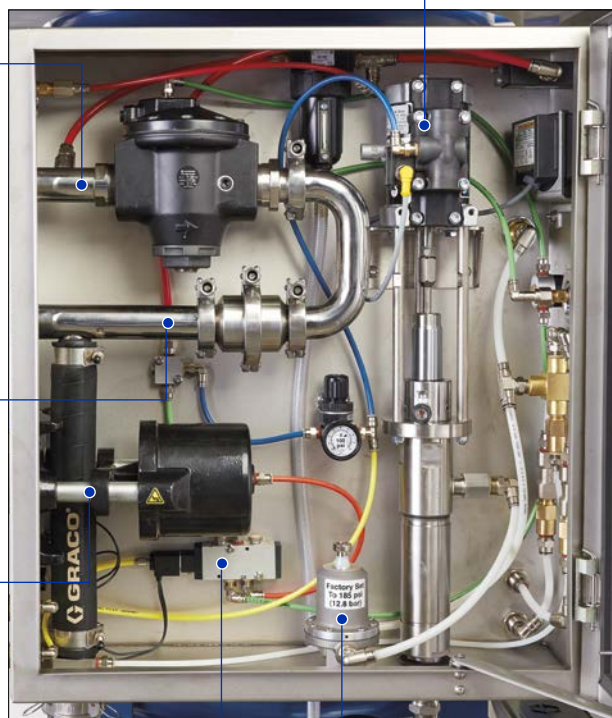
- Handles coarse and fine media (12-150 grit)
- Removable hose for maintenance purposes
- Engineered for a long service

Dual blast control

- Allows for both electric or pneumatic blast control hoses
- Patented design

Factory-set pot pressure

- No in-field adjustments required
- Consistent blast performance
- Patent-pending



EcoQuip² : Pressure Ratings



Finding the correct balance for your blast job

Determining the pressure setting for your application

Determining the correct blast pressure for an application is dependent on abrasive media type and nozzle size.

There is no clear-cut answer and it often varies depending on the project specifications. However, there are general guidelines that many blasters follow. The illustration below depicts typical pressure ratings for common applications. It is always worthwhile to start at a lower pressure and increase it incrementally.

3.9 - 6.2 Bar

(56 - 90 psi)

Concrete Cleaning, Building Restoration,
Line Stripe Removal, Pitted Paint Removal, Rust
Removal, Loose Mill Scale Removal

6.2 - 8.3 Bar

(91 - 120 psi)

Concrete Surface Prep, Exposing
Aggregate, Steel Surface Prep,
Mill Scale and Coating Removal

1.8 - 3.8 Bar

(25-55 psi)

Monument Restoration,
Cleaning Soft Stone, Wood, Aluminum,
Restoration and Remediation,
Efflorescence Removal, Graffiti
Removal, Parts Cleaning



8.3 - 12 Bar

(121-175 psi)

White Metal Blast to
Near White Metal Blast,
Tight Mill Scale Removal,
Removal of Layered
Coatings and
Polyurea Removal



Remember... the size of your compressor and the m³(cfm) output greatly influences the pressure setting and the nozzle to choose. See manual #3A3489 for more information.







Common Abrasive Choices

Knowledge is your greatest asset

Choosing the right abrasive for the application

As a general rule, the finest abrasive necessary for attaining the required surface preparation characteristics should be used. A fine abrasive offers more impact per volume. The more particles in the stream, the more work is accomplished in the same amount of time.








When blasting softer surfaces like concrete or wood, less abrasive media should be used. Some examples include crushed glass, glass beads, fine garnet, baking soda or walnut shells.

Abrasives*			
	Garnet	Crushed Glass	Coal Slag
MESH SIZE	30 - 120	30 - 400	12 - 80
HARDNESS (MOHS)	7 - 7.5 MOHS	5.5 - 7 MOHS	6 - 7.5 MOHS
DENSITY (Spec. Grav.)	3.5 - 4.3 SG	2.5 SG	2.7 SG
SHAPE	Sub Angular	Angular	Angular/Sub-Angular
COST	\$\$\$	\$	\$
PROFILE			
COMMON APPLICATIONS	Concrete and Steel Surface Preparation, Rust, Layered Coating and Mill Scale Removal	Concrete Surface Preparation, Concrete Restoration & Repair, Fiberglass Paint Removal	Steel Surface Preparation, Rust, Coating and Mill Scale Removal

**EcoQuip handles any abrasive media which is heavier than water.*

When preparing iron and steel for a protective coating system, there are additional parameters to consider.

Coatings are not effective at adhering to hard, flat surfaces, so the blaster is required to develop a pattern of indentations that the coating can anchor to (also known as the anchor pattern). Below is an example of some common media types.

			
Glass Beads	Plastic	Walnut Shells	Baking Soda
30 - 325	12 - 80	6 - 100	40 - 325
5.5 - 6 MOHS	3 - 4 MOHS	3 - 4 MOHS	2 - 2.5 MOHS
2.5 SG	1.5 SG	1.2 - 1.35 SG	2.2 SG
Rounded	Angular	Sub-Angular	Sub-Angular
\$\$\$	\$\$\$	\$\$\$	\$\$
			
Cleaning Wood, Aluminum and Other Soft Surfaces, Efflorescence Removal	Cleaning Soft, Delicate Surfaces, Aircraft, Auto and Boat Part Cleaning	Cleaning Wood, Aluminum and Other Delicate Surfaces, Paint, Dirt and Grease Removal	Graffiti Removal, Brick and Sandstone Cleaning, Auto Body and Parts Restoration

EcoQuip²: Blast Equipment



MODEL >	MOBILE	
	EcoQuip 2 EQm	EcoQuip 2 EQs
POT COATING	A-Coat/Powder	A-Coat/Powder
POT CAPACITY (LB)	100 L (3.5 cu ft)	185 L (6.5 cu ft)
WATER TANK	Polyethylene (accessory only)	Polyethylene
ENCLOSURE	Coated	Coated
BLAST CIRCUIT	1.00 in (25.4 mm)	1.50 in (38.1 mm)
FRAME	None	Coated
MAX. COMPRESSED AIR	14m³/min (500 cfm)	25m³/min (900 cfm)
MAX. BLAST PRESSURE	12.1 bar (175 psi)	12.1 bar (175 psi)
WATER DOSE	Not included	No
WATER HOSE HOOK-UP	Yes	No
NOZZLE	#7	#8
HOSE RACK	N/A	No
STEP	N/A	No
MEDIA STRAINER	No	No
MEDIA SHELF	N/A	No
GRACO BLAST HOSE	Yes	Yes
WATER TANK FILTER (NO NEED FOR RUST INHIBITOR)	N/A	Yes
NOZZLE PRESSURE VERIFICATION KIT	Yes	Yes
MANUAL	3A3489	3A3489



SKIDS	
EcoQuip 2 EQs elite	EcoQuip 2 EQs2 elite
A-Coat/Powder	A-Coat/Powder
185 L (6.5 cu ft)	(2x) 185 L (6.5 cu ft)
Polyethylene	None
Stainless Steel	Stainless Steel
1.50 in (38.1 mm)	1.50 in (38.1 mm)
Stainless Steel	Stainless Steel
25m ³ /min (900 cfm)	25m ³ /min (900 cfm)
12.1 bar (175 psi)	12.1 bar (175 psi)
Yes	Yes
Yes	Yes
#8 High Performance	(2x) #8 High Performance
Yes	Yes
Yes	Yes (2)
Yes	Yes (2)
Yes	Yes (2)
Yes	Yes
Yes	N/A
Yes	Yes
3A3489	3A3489

EcoQuip²: Technology leading the way



Vapor Abrasive blast systems for coating removal and surface preparation

Precision and Control

Monitoring abrasion with precision and control is an exclusive feature from Graco. EcoQuip 2 uses MediaTrak and an abrasive meter in order to quickly and easily set and monitor the abrasive consumption rate. The simple, user-friendly screen helps you set the media flow to optimal levels for the most effective blast. It tracks pump cycle rates and maintains an overall total, enabling you to schedule maintenance at regular intervals and ensures that you always receive the best performance from EcoQuip 2.

EcoQuip 2 EQm

A compact, fully portable entry-level unit

The built-in hand truck with over-sized wheels makes the EQm easy to move around the job site. Don't let the size fool you: this compact blaster is capable of handling any type of project, from cleaning to surface preparation.

- Fits in the bed of most standard pickup trucks
- Blast pressure ranging from 1.7-12.1 bar (25-175 PSI)
- Oversized wheels for easy portability
- Pot size of 100 L (3.5 cubic ft) - holds approximately (8) 25 kg (55 lb) bags of media



		BLAST CONTROL			Description
Model	PN	Pneumatic*	Electric*	ATEX	
EQm	262950				Mobile units have a coated enclosure and water inlet regulator for the hose connection.
EQm	262952*	X			
EQm	262953*		X		
EQm	262954*	X		X	

**Packages include 15 m (50 ft) blast hose with electric or pneumatic blast controls (machine accepts either type of hose), #7 standard nozzle and tool kit.*

EcoQuip 2 EQs

High production, entry-level skid unit

Graco's EcoQuip 2 EQs vapor blasting equipment is a standalone unit designed to tackle most typical blasting projects. The EQs is built according to extremely strict standards and can be stacked safely on a platform or a ship deck.

- Entry-level skid with same performance as higher production units
- Fits inside a 6 ft truck bed for easy transport
- Coated crash frame and enclosure
- 185 L (6.5 cubic ft) pot - holds approximately (16) 25 kg (55 lb) bags of media



		BLAST CONTROL			Description
Model	PN	Pneumatic*	Electric*	ATEX	
EQs	262960				Standard models have a coated crash frame and enclosure.
EQs	262962*	X			
EQs	262963*		X		
EQs	262964*	X		X	

**Packages include 15 m (50 ft) blast hose with electric or pneumatic blast controls (machine accepts either type of hose), #8 standard nozzle and tool kit.*

EcoQuip²: Technology leading the way

EcoQuip 2 EQs elite

High production, fully loaded system

The EcoQuip 2 EQs elite is built for contractors that want the best. Equipped with a stainless steel crash frame and enclosure, hose rack, step, media strainer, water dose valve and a media shelf, this fully loaded system makes it simple to set up and start making money.

- Fits inside a 6 ft truck bed for easy transport
- Built to work in the toughest work conditions
- Crash frame supports 5x lift rating of machine
- 185 L (6.5 cubic ft) pot - holds approximately (16) 25 kg (55 lb) bags of media



		BLAST CONTROL			Description
Model	PN	Pneumatic*	Electric*	ATEX	
EQs elite	262970				Elite models include SST crash frame, SST enclosure, water dose valve, bag management (step & shelf), hose rack, air inlet filter/ball valve and media strainer kit.
EQs elite	262972*	X			
EQs elite	262973*		X		
EQs elite	262974*	X		X	

**Packages include 15 m (50 ft) blast hose with electric or pneumatic blast controls (machine accepts either type of hose), #8 HP nozzle and tool kit.*

EcoQuip 2 EQs2 elite

Twice the production rate

EcoQuip EQs2 operates on a single compressor with two nozzles to double your production rate, thereby improving the cost-effectiveness of major jobs. You no longer have to bring two separate skid units to the job.

- Two 185 L (6.5 cubic ft) blast pots, two 15 m (50 ft) Graco blast hoses, two #8 HP nozzles, two electric or pneumatic blast controls
- Water dose valve, step, media shelf, hose rack, air inlet filter/ball valve and media strainer kit
- Stainless steel crash frame and enclosure



		BLAST CONTROL			Description
Model	PN	Pneumatic*	Electric*	ATEX	
EQs2 elite	262980				Elite models include SST crash frame, SST enclosure, water dose valve, bag management (step & shelf), hose rack, air inlet filter/ball valve and media strainer kit.
EQs2 elite	262982*	X			
EQs2 elite	262983*		X		
EQs2 elite	262984*	X		X	

**Packages include 15 m (50 ft) blast hose with electric or pneumatic blast controls (machine accepts either type of hose), #8 HP nozzle and tool kit.*

EcoQuip²: Blast Hose and Accessories

Providing continuous improvement in our product range

Graco Blast Hose

Designed for flexibility and ergonomics, the Graco blast hose can reduce fatigue and improve job site efficiency while withstanding rugged blasting environments. Graco branding and the standard 12 bar (175 psi, 1.2 MPa) pressure rating and 1.25 in diameter helps customers identify which hose to use with EcoQuip 2 vapor abrasive blast equipment. Brass fittings are designed to last longer than plastic and are used on both standard and elite units. The new Graco hoses are also grounded for ATEX-marked equipment.



Graco Nozzles

Graco now offers eight nozzle types to fit the wide range of blasting applications in commercial and industrial markets. Nozzles have an easy-grip knurl on the outside and a silicon carbide blend insert for long life. Branded blue to instantly identify it as a Graco product, the nozzle provides exceptional wear resistance and performance you can depend on.

Available in the following standard and high performance sizes:

7, 8, 10, 12, 6 HP, 7 HP, 8 HP, 10 HP



Graco Nozzle Extension and Handles

Blasting on horizontal or large vertical surfaces is no simple task. Use Graco nozzle extensions and either a square or side handle to reduce fatigue when tackling the toughest jobs. The extension fits between the hose and any Graco nozzle. The kit comes with both handles for added convenience.



Graco Tool Kit

Every EcoQuip 2 model is equipped with a Graco tool kit. The kit includes a spare check valve, blast circuit wrenches, nozzle and cam-lock gaskets, spare fuses, TSL, whip-checks for blast hoses, a 12 volt connection cable for electric blast hoses, a pressure verification tool and blast circuit wrenches. Elite models are also equipped with the media pot strainer.



EcoQuip² : Ordering Information

Hoses

26A074	Blast hose, replacement, 15 m (50 ft), electric, 1.00 in ID
26A075	Blast hose, replacement, 15 m (50 ft), pneumatic, 1.00 in ID
26A076	Blast hose, extension, 15 m (50 ft), electric, 1.00 in ID
26A077	Blast hose, extension, 15 m (50 ft), pneumatic, 1.00 in ID
26A024	Blast hose, replacement, 15 m (50 ft), electric, 1.25 in ID
26A025	Blast hose, replacement, 15 m (50 ft), pneumatic, 1.25 in ID
26A026	Blast hose, extension, 15 m (50 ft), electric, 1.25 in ID
26A027	Blast hose, extension, 15 m (50 ft), pneumatic, 1.25 in ID
25A253	Bull hose, 7.6 m (1.5 in x 25 ft)
25A254	Bull hose, 7.6 m (1.5 in x 25 ft)
17D788	Blast control switch, pneumatic
17L331	Blast control switch, electric
17D786	Hose restraint /whip check
17D787	Blast hose coupler pin kit (6-pack)
17C124	Gasket, hose coupler. Fits either 1.0 or 1.25 in ID hose
17K376.....	Cable, adapter, blast control, for using EQ2 blast hose on EQ1 systems
17L273.....	Coupler, 1.25 in ID hose, brass
17L309.....	Gasket, abrasive hose cam lock (10-pack)

Nozzles

17J859.....	Nozzle, #7 standard
17J860.....	Nozzle, #8 standard
17J861.....	Nozzle, #10 standard
17J862.....	Nozzle, #12 standard
17K898.....	Nozzle, #6 high performance
17J855.....	Nozzle, #7 high performance
17J856.....	Nozzle, #8 high performance
17J858.....	Nozzle, #10 high performance
26A029	Kit, nozzle extension, 0.6 m (24 in) with handles
17J958.....	Kit, nozzle pressure verification
17L119.....	Kit, gasket, blast nozzle (5-pack)
17L274.....	Nozzle holder, 1.25 in ID hose, brass
17L276.....	Nozzle holder, 1.0 in ID hose, brass

Accessories

17G833	Kit, hose rack, SST, skid elite units
17K025.....	Kit, pot strainer
17K026.....	Kit, bag shelf, SST, elite skid units
17K045.....	Kit, water tank inlet with float valve
17L332.....	Kit, pump inlet filter
26A007	Kit, step, skid unit
26A022	Kit, demo water tank, 95 l (25 gal), EQm
26A093	Kit, water tank filter w/adaptor (5-pack)
287643.....	Adapter for European water hose
17K058.....	Kit, water dose upgrade
206994.....	Kit, throat seal liquid
17B186	Kit, pump repair, fluid section
17C129	Kit, main air regulator repair, mobile unit
17C131	Kit, main air regulator repair, skid or trailer units
17K051.....	Kit, pinch hose replacement
24Z005.....	Kit, inlet ball valve/strainer kit, EQ2 units
17D790	Kit, gasket, handway



ABOUT GRACO

Founded in 1926, Graco is a world leader in fluid handling systems and components. Graco products move, measure, control, dispense and apply a wide range of fluids and viscous materials used in vehicle lubrication, commercial and industrial settings.

The company's success is based on its unwavering commitment to technical excellence, world-class manufacturing and unparalleled customer service. Working closely with qualified distributors, Graco offers systems, products and technology that set the quality standard in a wide range of fluid handling solutions. Graco provides equipment for spray finishing, protective coating, paint circulation, lubrication, and dispensing sealants and adhesives, along with power application equipment for the contractor industry. Graco's ongoing investment in fluid management and control will continue to provide innovative solutions to a diverse global market.

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