

# **EcoQuip 2**<sup>™</sup>

Vapour Abrasive™ Blast Equipment



# **AEMCO**

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Genuine People Genuine Spares Genuine Service

## Redefining the Abrasive Blasting Industry with EcoQuip<sup>9</sup>



## **Fast**

- · Quickly adjust blast pressure and media flow
- Maximum blast pressure up to 12 bar (175 psi) allows the operator to achieve fast removal rates
- Engineered blast circuit with minimal pressure drop

## **Easy**

- Set up EcoQuip 2 with just five simple steps
- Fixed pot pressure eliminates setting pot pressure relative to blast pressure
- Simple, user-friendly MediaTrak screen helps you set media flow to optimal levels

## Reliable

- Every unit is tested on a state-of-the-art test bench before being shipped
- Unmatched customer and technical support to assist with equipment needs
- Components tested to the toughest Graco standards
- Made in U.S.A.



## What is Vapour Abrasive Blasting?

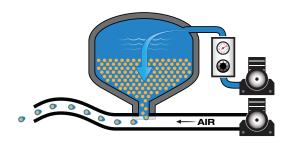
Vapour Abrasive Blasting is similar to dry blasting, except that the blast media is moistened prior to impacting the surface, thereby generating up to 92% less dust.

#### **Less Dust and Water Means Less Containment and Clean-up**

Testing conducted by a third-party agency shows that vapour abrasive blasting suppresses up to 92% of dust compared to dry blasting. Because dust is minimised, less containment is normally required and media clean-up time can be reduced.

Since EcoQuip 2 uses less water than slurry or other water-based technologies, pools of water aren't left behind and there is **less need to worry about toxic runoff**.

The end result with EcoQuip 2 is a **cleaner**, **better contained process**.



Vapour Abrasive Blasting gives the user fine control over the air pressure and water/abrasive mixture, enabling blasting of a wider range of surfaces and reducing the amount of media.



## EcoQuip Helps Expand Your Business



## A Range of Pressure Settings for any Application

Determining the correct blast pressure depends on the application, abrasive media type and production requirements. There isn't a cut-and-dried answer as it often varies depending on the project specifications. However, there are general guidelines that many blasters follow. The illustration below depicts typical pressures for common applications. It's always best to start at a lower pressure and work your way up.



## EcoQuip Works with a Variety of Abrasives

Media can be expensive, so you want a machine that uses the least amount possible to get the job done quickly while providing good control over water and media usage. EcoQuip 2 uses MediaTrak and an abrasive meter to quickly and easily set and monitor the abrasive consumption rate. MediaTrak's® user-friendly screen helps you set media flow to optimal levels for the most effective blast.

It tracks the pump cycle rate and keeps a grand total so you can schedule maintenance at regular intervals to ensure you always get the best performance from EcoQuip 2.

In addition, Graco's EcoQuip 2 handles a range of media sizes from coarse to fine (12 - 150 grit), any media heavier than water, and one that won't rust in the tank (i.e. steel shot).

#### Below are some examples of common media types:

Abrasives*					
	GARNET	CRUSHED GLASS	COAL SLAG		
GRIT SIZE	30 - 120 (595 - 125 µm)	30 - 200 (595 - 74 μm)	12 - 80 (1,680 - 177 µm)		
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, Fibreglass Paint Removal	Steel Surface Preparation, Rust, Coating and Mill Scale Removal		

<sup>\*</sup>EcoQuip handles any abrasive media heavier than water.

GLASS BEADS	PLASTIC	WALNUT SHELLS	BAKING SODA
30 - 300 (595 - 50 μm)	12 - 80 (1,680 - 177 μm)	6 - 100 (3,360 - 149 µm)	40 - 300 (420 - 50 μm)
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, Aluminium and Other Soft Surfaces, Efflorescence Removal	Cleaning Soft, Delicate Surfaces, Aircraft, Auto and Boat Part Cleaning	Cleaning Wood, Aluminium and other Delicate Surfaces, Paint, Dirt or Grease Removal	Graffiti Removal, Brick and Sandstone Cleaning, Auto Body and Parts Restoration

## EcoQuip EQp is the Portable Solution

Whether you need our smaller, more portable EQp, a larger skid unit for high production jobs or both machines to handle a range of projects, Graco's EcoQuip 2 line provides a seamless experience with equipment that is easy to use. Easy-to-use controls Blast air pressure Abrasive meter Selector valve for washdown or blast Media funnel and pop-up seal · Removable for clean-out access Built-in strainer Air inlet connection Universal, Chicago-style claw fitting, common to most 5.3 m<sup>3</sup>/min compressors (185 CFM) Quick fill valve Speeds up the fill/flush process with water supply hose pressure Abrasive metering valve Blast hose connection Precise control of media Accepts ½ in or 1 in blast hose Lockable setpoint Water/media vessel Water inlet 57 L (2.0 cubic ft) capacity connection EcoQuip<sup>®</sup> Eo Blast for up to 90 minutes between Garden hose, siphon or water tank supply options Works with medium, fine or nondestructive media Uses less than 1.06 L/min (1 qt/min) Blast hose control of water lines Pneumatic operation Blasts up to 45 m (150 ft) from machine Abrasive supply line Quick-release cam and groove connection Easy access shut-off valve Portable cart with lift Flat-free wheels handles Rugged and durable to get

around your site smoothly

Weighs just 100 kg (220 lbs)

Easily transports between jobs Slide rails for easy loading

## Built with you in mind

All EcoQuip 2 Vapour Abrasive Blast equipment is engineered with the kind of features that will make your work day more efficient and productive. It's exhaustively tested and re-tested to make sure every detail works to Graco's industry leading standards of excellence.

#### MediaTrak™

• Easily monitors media usage

#### Blast pressure regulator

• Set blast pressure for desired performance

#### Selector valve

· Select between washdown or blast

#### Abrasive meter

Additional dust-suppression

#### Water dose meter

• Set abrasive meter for desired performance



## Double your Production with One Machine

Multiple factors need to be considered when selecting the correct surface preparation equipment for large projects. Equipment that has a high-production rate and the capability to complete the job quickly allows for a marine vessel, storage tank, pipe or other asset to be returned to service quickly.

# As a night-production rate and the capability to complete the job quickly allows for pipe or other asset to be returned to service quickly. Lift rings Fully loaded lift capacity 450L (120 gal) water tank Large enough for 1½ refills of pressure pot

#### High capacity water pump

 Uses larger, robust Merkur air motor for performance in all conditions

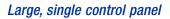
#### 340L (12 cubic ft) pressure pot

- · Larger pot allows for long blast time with two nozzles
- Blast for up to 3.5 hours with dual nozzle
- · Works with coarse and medium grit
- Uses less than 3 L/min water

#### Durable coated frame

• Fully welded design for robust environments





• Simple, intuitive design allows for easy control

#### Water dose meter

Additional dust-suppression

#### Dual line control logic (patent pending)

Allows for consistent abrasive flow for dual blasting

#### Fork lift accessible

• Easy to move around the site



EcoQuip 2 EQs Dual Line

## Which System is Right for You?

The Graco EcoQuip 2 line of Vapour Abrasive Blast equipment is built with your needs in mind. Depending on your job requirements, Graco has you covered.



	PORTABLE/MOBILE		
MODEL >	EcoQuip 2 EQp	EcoQuip 2 EQm	
POT COATING	A-Coat/Powder	A-Coat/Powder	
POT VOLUME	57 L (2.0 cubic ft)	99 L (3.5 cubic ft)	
WATER TANK	Polyethylene (accessory only)	Polyethylene (accessory only)	
ENCLOSURE	Coated	Coated	
BLAST CIRCUIT	5/8 in	1.00 in	
FRAME	None	None	
MAX. COMPRESSED AIR FLOW RATE	8.5 m <sup>3</sup> /min (300 cfm)	14 m³/min (500 cfm)	
MAX. BLAST PRESSURE	10.3 bar (150 psi)	12.1 bar (175 psi)	
WATER DOSE	Not included	Not included	
NOZZLE SUPPLIED WITH	#5 or #6	#7	
DIMENSIONS – L X W X H	66 x 72 x 105 cm (26.27 x 28.62 x 41.375 in)	90 x 65 x 120 cm (35.1 x 25.7 x 47.4 in)	
WEIGHT - DRY	100 kg (220 lbs)	170 kg (370 lbs)	
MANUAL	3A4802	3A3489	

<sup>\*</sup>Works with EcoQuip EQm and EQp 95 litre (25 gal) water tank.







	SKIDS	
EcoQuip 2 EQs	EcoQuip 2 EQs Elite	EcoQuip 2 EQs Dual Line
A-Coat/Powder	A-Coat/Powder	A-Coat/Powder
184 L (6.5 cubic ft)	184L (6.5 cubic ft)	340 L (12 cubic ft)
Polyethylene	Polyethylene	Polyethylene
Coated	Stainless steel	Coated
1.50 in	1.50 in	1.50 in
Coated	Stainless steel	Coated
25.5 m³/min (900 cfm)	25.5 m³/min (900 cfm)	25.5 m³/min (900 cfm) per nozzle
12.1 bar (175 psi)	12.1 bar (175 psi)	10.3 bar (150 psi)
Yes	Yes	Yes
#8 High performance	#8 High performance	(2x) #8 High Performance
152 x 118 x 142 cm (59.76 x 46.26 x 56 in)	152 x 118 x 142 cm (59.76 x 46.26 x 56 in)	200 x 101 x 140 cm (79 x 40 x 55 in)
485 kg (1070 lbs)	485 kg (1070 lbs)	600 kg (1326 lbs)
3A3489	3A3489	3A6825

## EcoQuip Technology Leads the Way

#### **EcoQuip 2 EQp**

#### Powerful. Portable. Professional.

Weighing only 100 kg (220 lbs), the EQp is easy to take from one surface preparation job to another. This powerful machine can blast up to  $10.3 \, \text{bar}$  (150 psi) and can handle most of what a  $10.5 \, \text{m}^3$ /min compressor delivers, but is optimised to work well with a  $5.3 \, \text{m}^3$ /min (185 cfm) compressor. In addition, it can blast for up to 90 minutes between refills.

- Portable cart with lift handles weighs only 100 kg (220 lbs)
- Low water usage, less mess uses less than 1.06 L/min (1 qt/min) of water
- Blast pressures of up to 10.3 bar (150 psi)
- Pot size of 57 L (2.0 cubic ft) holds approximately (4) 25 kg (garnet) bags of media



#### **BLAST CONTROL**

Model	PN	Pneumatic*	ATEX	Description
EQp	278860			
EQp	278861*	X	Х	Portable units have coated enclosure and water inlet regulator for hose connection.
EQp	278862*	X	Х	

<sup>\*</sup>Packages include 15 m (50 ft) blast hose with pneumatic blast controls, #5 or #6 standard nozzle.

#### **EcoQuip 2 EQs**

#### High production, entry level skid unit

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

- Entry level skid with same performance as higher production units
- Fits inside a 1.8 m (6 ft) truck bed for easy transport
- Coated crash frame and enclosure
- 184L (6.5 cubic ft) pot holds approximately (16) 25 kg (garnet) bags of media



Model	PN	Pneumatic*	Electric*	ATEX	Description
EQs	262960				
EQs	262962*	Х			Standard models have coated crash frame and enclosure
EQs	262963*		Х		Standard models have coated crash frame and enclosure
EQs	262964*	Х		Х	

<sup>\*</sup>Packages include 30 m (100 ft) of blast hose for pneumatic blast controls and 45 m (150 ft) of blast hose for electric blast controls and # 8 HP nozzle.

#### **EcoQuip 2 EQm**

#### Portable, mid-sized unit

With a small footprint and built-in hand truck with oversized wheels, the EQm is ideal for small sites and blasting in unconventional areas. In addition, this compact blaster is capable of handling any type of project, from cleaning to surface preparation.

- Stand-alone unit on wheels
- Blast pressure ranging from 1.7 12.1 bar (25 175 psi)
- Oversized wheels for easy portability
- Pot size of 99 L (3.5 cubic ft) holds approximately (8) 25 kg (garnet) bags of media



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

<sup>\*</sup>Packages include 30 m (100 ft) blast hose with electric or pneumatic blast controls (machine accepts either type of hose), #7 standard nozzle and tool kit.

#### **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, media strainer and water dose valve, this fully-loaded system makes it easy to get set up faster and start making money.

- Fits inside a 1.8 m (6 ft) truck bed for easy transport
- Built to handle the toughest work conditions
- Crash frame supports 5x lift rating of machine
- 184L (6.5 cubic ft) pot holds approximately (16) 25 kg (garnet) bags of media



	BLAST C	ONTROL
PN	Pneumatic*	Electr

Model	PN	Pneumatic*	Electric*	ATEX	Description
EQs Elite	262970				
EQs Elite	262972*	Х			Elite models include SST crash frame, SST enclosure,
EQs Elite	262973*		Х		water dose valve, air inlet filter/ball valve and media strainer kit.
EQs Elite	262974*	Х		Х	

<sup>\*</sup>Packages include 30 m (100 ft) of blast hose for pneumatic blast controls and 45 m (150 ft) of blast hose for electric blast controls and # 8 HP nozzle.

## EcoQuip Technology Leads the Way

# **EcoQuip 2 EQs Dual Line**Twice the Production Rate

Graco's EcoQuip EQs Dual Line features two outlets and a large pressure pot capable of blasting up to four hours with two blasters at once. Select a skid with the 450 L (120 gal) water tank for sites without a pressurised water source. Get your project up and running quickly with this high production machine.

Model	PN	Pneumatic*		ATEX	Description
EQs Dual Line	282950				
EQs Dual Line	282952*	X			Dual Line models include a 340 L (12 cubic ft) blast pot, high capacity water
EQs Dual Line	282953*		X		pump and a single control panel.
EQs Dual Line	282954*	Х		Х	



(\*Packages include (2) 30 m (100 ft) of blast hose for pneumatic blast controls and (2) 45 m (150 ft) of blast hose for electric blast controls and (2) #8 HP nozzles).



		BLAST C	ONTROL		
Model	PN	Pneumatic*		ATEX	Description
EQs Dual Line	282960				
EQs Dual Line	282962*	X			Dual Line models include a 340 L (12 cubic ft) blast pot, 450 L (120 gal) water
EQs Dual Line	282963*		X		tank, high capacity water pump and a single control panel.
EQs Dual Line	282964*	Х		Χ	

## EcoQuip<sup>9</sup>Blast Hose and Accessories

#### **Graco Blast Hose**

Designed for flexibility and ergonomics, the Graco blast hose can reduce fatigue and improve site efficiency while withstanding rugged blasting environments. Graco branding and identification of its standard 12 bar (175 psi, 1.2 MPa) pressure rating, 1 in or 1.25 in (2.5 or 3 cm) diameter helps customers easily know which hose to use with EcoQuip 2 vapour 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 Nozzle Extension and Handles**

Blasting on horizontal or large vertical surfaces is tough duty. Use Graco nozzle extensions for less fatigue when tackling the toughest jobs. The extension goes between the hose and any Graco nozzle. The kit comes with both handles for convenience. #26A029 shown



#### **Graco Nozzles**

Graco now offers eight nozzle choices to fit the wide range of blasting applications in commercial and industrial markets. Nozzles have a silicon carbide blend insert for long life.

Available in the following stainless steel, standard and high performance sizes:

- #3 SST, #4 SST, #5 SST (for .05 in hose)
- #5, #6, #7, #8, #10, #12, #6 HP, #7 HP, #8 HP, #10 HP (for 1 in or 1.25 in hose)











## **Blast Hose Ordering Information**

#### **Blast Hoses**

Pneumatic Blast Control		
24Z140	1/2 in Pneumatic control blast hose, 15 m (50 ft)	
24Z141	1/2 in Pneumatic extension blast hose, 15 m (50 ft)	
26A075	1 in Pneumatic control blast hose, 15 m (50 ft)	
26A077	1 in Pneumatic extension blast hose, 15 m (50 ft)	
26A025	1.25 in Pneumatic control blast hose, 15 m (50 ft)	
26A027	1.25 in Pneumatic extension blast hose, 15 m (50 ft)	

Electric Blast Control		
26A074	1 in Electric control blast hose, 15 m (50 ft) (mini plugs)	
26A076	1 in Electric extension blast hose, 15 m (50 ft) (mini plugs)	
28A074	1 in Electric control blast hose, 15 m (50 ft) (standard plugs) - EQ1, Dual Line System	
28A076	1 in Electric extension blast hose, 15 m (50 ft) (standard plugs) - EQ1, Dual Line System	
26A024	1.25 in Electric control blast hose, 15 m (50 ft) (mini plugs)	
26A026	1.25 in Electric extension blast hose, 15 m (50 ft) (mini plugs)	
28A024	1.25 in Electric control blast hose, 15 m (50 ft) (mini plugs)	
28A026	1.25 in Electric extension blast hose, 15 m (50 ft) (mini plugs)	
17K376	Cable, Adapter blast control for using EQ2 blast hoe on EQ1 systems	

Blast Hose Parts & Accessories		
17D788	Pneumatic blast control switch	
17L331	Electric blast control switch (mini plug)	
EQ5194	Electric blast control switch (standard plug)	
17D786	Hose restraint / whip check	
17D787	Blast hose coupler pin kit (6 pack)	
17C124	Hose couple gasket. Fits both 1 or 1.25 in hoses	
24X746	Pneumatic blast control hose replacement, 16.8 m (55 ft)	
24X744	Pneumatic blast control hose extension, 16.8 m (55 ft)	
17L471	Electric blast control replacement cable, 16.8 m (55 ft) (mini plugs)	
17F506	Electric blast control replacement cable, 16.8 m (55 ft) (standard plugs)	
17L273	Blast hose coupler replacement kit for 1 or 1.25 in hose	
17L274	Nozzle holder replacement kit for 1 or 1.25 in hose	
17R843	Nozzle holder replacement kit for 1/2 in hose	
17R844	Blast hose coupler replacement kit for 1/2 in hose	

Bull Hoses		
25A253	1.5 in Bull hose, 7.6 m (25 ft)	
25A254	1.5 in Bull hose, 15 m (50 ft)	

## System Accessories & Nozzle Ordering Information

#### **System Parts & Accessories**

EQm – EQ Skids		
17K051	Pinch hose replacement kit	
19A746 PKG	Pinch hose replacement kit, #2 hose for EQs Dual Line	
17D790	Handway gasket kit	
17C129	EQm main air regulator repair kit	
17C131	EQ skid main air regulator repair kit	
17B186	Water pump repair kit	
17L046	Abrasive ball valve replacement kit	
24Z005	Inlet ball valve/strainer kit	
26A022	EQm water tank kit	
17K058	Water dose upgrade kit	
206994	Throat seal liquid kit	
17K025	Pressure pot strainer kit	
17L332	Pump inlet filter kit	
26A093	Water tank filter kit (5 pack)	

EQp Systems	
17R840	Pinch hose replacement kit
17R833	Abrasive ball valve replacement kit
24Z788	EQp water tank kit
24Z789	Water dose kit upgrade
17R834	Water pump lower kit
17R835	Water pump repair kit
17R849	Blast regulator replacement kit
17R850	Blast regulator repair kit
17R842	Nozzle holder replacement kit for 1 or 1.25 in hose
17R851	Blast circuit gasket kit (10 pack)
17R847	Control air filter kit - complete

#### **Nozzles**

Standard Nozz	les
17R023	#3 Nozzle for 1/2 in blast hose, EQp
17R024	#4 Nozzle for 1/2 in blast hose, EQp
17R025	#5 Nozzle for 1/2 in blast hose, EQp
17R451	#5 Nozzle for 1 or 1.25 in blast hose
17K897	#6 Nozzle for 1 or 1.25 in blast hose
17J859	#7 Nozzle for 1 or 1.25 in blast hose
17J860	#8 Nozzle for 1 or 1.25 in blast hose
17J861	#10 Nozzle for 1 or 1.25 in blast hose
17J862	#12 Nozzle for 1 or 1.25 in blast hose

High Performance Nozzles		
17K898	#6 High Performance Nozzle for 1 or 1.25 in blast hose	
17J855	#7 High Performance Nozzle for 1 or 1.25 in blast hose	
17J856	#8 High Performance Nozzle for 1 or 1.25 in blast hose	
17J858	#10 High Performance Nozzle for 1 or 1.25 in blast hose	

Nozzle Parts & Accessories		
24Z931	1/2 inch nozzle extension with handles	
26A029	1 inch nozzle extension with handles	
17L119	Blast nozzle gasket kit (5 pack)	
17J958	Nozzle pressure verification kit for 1 or 1.25 inch blast hoses	



#### **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.

#### ABOUT AEMCO

AEMCO was established in 2007 as an organization focused to increase professionalism and productivity in the arena of coating and surface preparation across the Kingdom of Saudi Arabia. Latest trends and technologies in coating industry were made available from AEMCO to our professional end users to achieve quality results and satisfaction. We started our operations in Riyadh and expanded to Central, Eastern, Western and Northern Region of the Kingdom.

تأسست شركة إيمكو في عام ٢٠٠٧ لتكون شركة تركز على زيادة الاحترافية والإنتاجية في ميدان الطلاء وتجهيز الأسطح للدهان في المملكة العربية السعودية. وفرت شركة إيمكو أحدث أساليب التقنية في مجال تنفيذ الطلاء لعملائنا المحترفين في صناعة تنفيذ الطلاء للوصول الى نتائج مبهرة ومرضية. بدأنا عملياتنا في الرياض وتطورت لتصل الى المنطقة الوسطى، المنطقة الشرقية، المنطقة الغربية والمنطقة الشمالية من المملكة العربية السعودية.

#### **AEMCO LOCATIONS**

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