



EcoQuip 2™

Vapour Abrasive™ Blast Equipment



PROVEN QUALITY. LEADING TECHNOLOGY.

Redefining the Abrasive Blasting Industry with EcoQuip²



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?

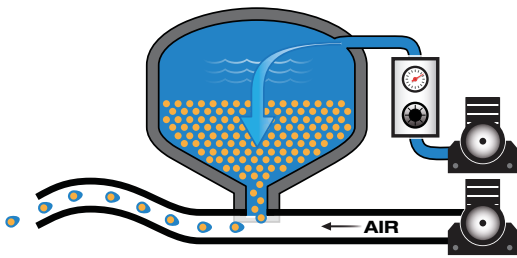
Vapour Abrasive Blasting is similar to dry blasting, except that the blast media is moistened prior to impacting the surface, thereby generating up to 92% less dust.

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.



EcoQuip² Helps Expand Your Business

EcoQuip 2 is not only versatile but also easy to use, enabling contractors to expand their business capabilities to include blasting. Whether you are looking to remove old paint from the siding on a home, strip paint off automotive parts, clean graffiti off concrete or provide surface preparation for a ship, EcoQuip 2 handles it all.



Coating and Paint Removal



Wood and Brick Cleaning



Concrete Cleaning and Surface Preparation



Concrete Repair and Restoration



Steel Surface Preparation



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.

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

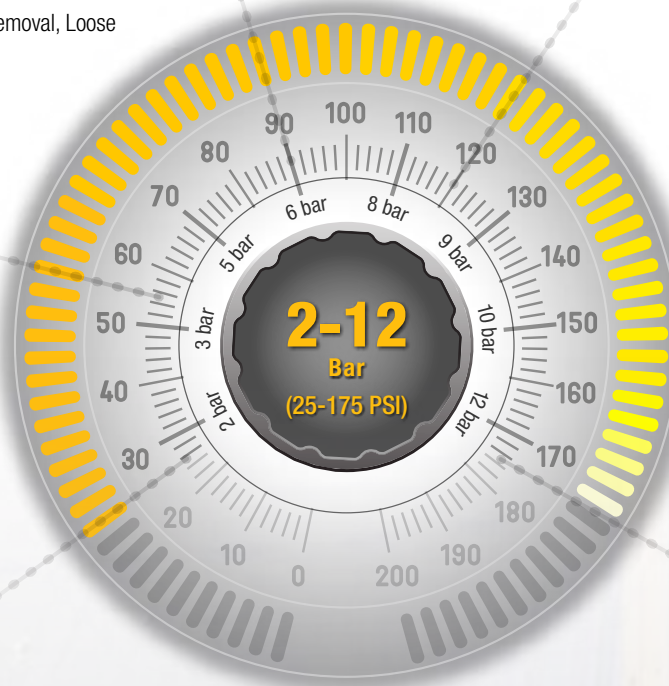
(25 - 55 psi)

Monument Restoration, Cleaning Soft Stone, Wood, Aluminium, 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 output greatly influences what your pressure setting will be and what nozzle to choose. See manual #3A3489 for more information.



EcoQuip² 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

*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

EcoQuip² 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

Air inlet connection

- Universal, Chicago-style claw fitting, common to most 5.3 m³/min compressors (185 CFM)

Abrasive metering valve

- Precise control of media
- Lockable setpoint

Water/media vessel

- 57 L (2.0 cubic ft) capacity
- Blast for up to 90 minutes between refills
- Works with medium, fine or non-destructive media
- Uses less than 1.06 L/min (1 qt/min) of water

Abrasive supply line

- Quick-release cam and groove connection
- Easy access shut-off valve

Portable cart with lift handles

- Weighs just 100 kg (220 lbs)
- Easily transports between jobs
- Slide rails for easy loading



Media funnel and pop-up seal

- Removable for clean-out access
- Built-in strainer

Quick fill valve

- Speeds up the fill/flush process with water supply hose pressure

Blast hose connection

- Accepts ½ in or 1 in blast hose

Water inlet connection

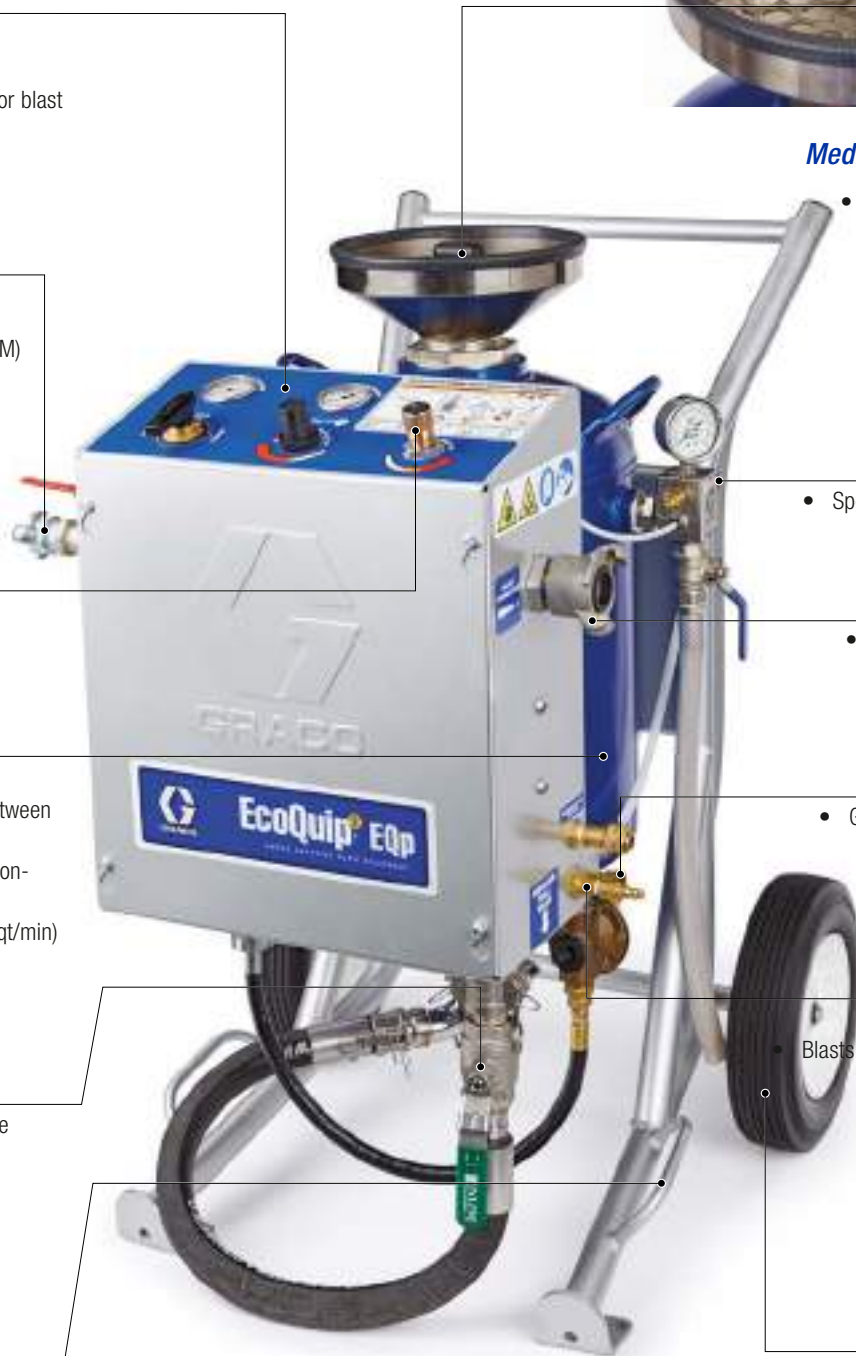
- Garden hose, siphon or water tank supply options

Blast hose control lines

- Pneumatic operation
- Blasts up to 45m (150ft) from machine

Flat-free wheels

- Rugged and durable to get around your site smoothly



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



Lift rings

- Fully loaded lift capacity

Heavy-duty roto-moulded tank

- Water hose hook-up
- Capacity for typical 8-hr day

Ventless pot

- No trapped air - consistent blast pattern
- Two layer A-coat/ powder coat for maximum corrosion resistance
- Patent-pending

Pallet jack and fork lift accessible

- Easy to move
- Access from all sides



EcoQuip 2 EQs

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.

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





Large, single control panel

- 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.



MODEL >	PORTABLE/MOBILE	
	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 ³ /min (300 cfm)	14 m ³ /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

**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)	184 L (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 m ³ /min (900 cfm)	25.5 m ³ /min (900 cfm)	25.5 m ³ /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

EcoQuip² 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 bar (150 psi) and can handle most of what a 10.5 m³/min compressor delivers, but is optimised to work well with a 5.3 m³/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 1.06L/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			Portable units have coated enclosure and water inlet regulator for hose connection.
EQp	278861*	X	X	
EQp	278862*	X	X	

*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



BLAST CONTROL

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

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

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

*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.

EcoQuip² 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	BLAST CONTROL		ATEX	Description
		Pneumatic*	Electric*		
EQs Dual Line	282950				Dual Line models include a 340L (12 cubic ft) blast pot, high capacity water pump and a single control panel.
EQs Dual Line	282952*	X			
EQs Dual Line	282953*		X		
EQs Dual Line	282954*	X		X	

(*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).



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

(*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).

EcoQuip² 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 hose 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 Nozzles

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 ensures the continued provision of innovative solutions to a diverse global market.

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