



**Maritime Equipment
Easy Maintenance On Board**

DECK CLEANING

HYDRA-CLEAN® AIR-OPERATED CART-MOUNT

The Hydra-Clean® Pressure Washer is designed for high pressure and high volume cleaning. Its high flow rate reduces the time taken to complete cleaning tasks saving on labour costs.

The unit itself can be operated on base oil, fresh and salt water, making it ideal for deck and tank cleaning.

The Hydra-Clean® can be used in hazardous areas as it's ATEX approved.

Advantages

- **Air-operated**
Low sound level – ideal for on board cleaning on cruise ships
High pressure and high flow cleaning
Up to 276 bar (4000 psi) and 34 lpm (9 gpm)
- **Easy to use**
Use with hot or cold water, detergents or strong chemical solutions up to 93°C (200°F)
- **Supports multiple guns**
Use 2 spray wands at the same time to support multiple operators
- **ATEX approved**
The air-driven motor enables use in explosion classified areas.
Ideal for cleaning on board of tankers

Accessories

- 247878 Std. Discharge hose (3/8" x 15 m):
10 bar with M & F QD's
- 247880 Gun SST quick disconnect connections
- 24W471 Hose Reel Kit:
344 bar (5000 psi) maximum pressure
- 15T272 Coupler, 3/8" QR , 3/8-18 NPT:
For adding a second hose with gun to the outlet of the pump



IMPA REFERENCE	59 07 39	59 07 34
GRACO PART NUMBER	247553	258664
Pump Package	30:1 Cart Mount	40:1 Cart Mount
Max. Working Pressure	211 bar (21.1 MPa / 3065 psi)	276 bar (27.6 MPa / 4000 psi)
Max. Air Input Pressure	7 bar (0.7 MPa / 100 psi)	
Fluid Flow at 60 cpm	25.9 lpm (6.8 gpm)	17.4 lpm (4.6 gpm)
Cycle	430 cc (14.5 oz)	290 cc (9.8 oz)
Air Inlet Size	3/4" npt(f)	
Fluid Inlet Size	1 in	
Fluid Outled Size	3/8 in	
Manual	312585	
Pump Std Repair Kit	17L796	24C162
Optional PTFE Repair Kit	222846	

CHEMICAL CARGO CLEANING

HYDRA-CLEAN® AIR-OPERATED 10:1 DRUM-MOUNT

It is the ideal solution for a majority of fluid handling tasks on board.

The pump is designed to be mounted on any open head universal drum and it can spray vertically up to 12 m (39.3 ft). It is ideal for applying chemicals and detergents onto surface, washing down, general transfer of fluids and chemical injection into pressurised systems.

Advantages

- **Start-up ready**
Delivered with lubricator, hoses, spray gun and nozzle
- **Ease of use**
Use with open-head universal drums – vertically spraying up to 12 m (39.3 ft)
- **Efficient cleaning**
Use with hot or cold water, detergents or strong chemical solutions up to 93°C (200°F)
- **Supports multiple guns**
Use 2 spray wands at the same time to support multiple operators
- **ATEX approved**
The air-driven motor enables use on all vessel types.



IMPA REFERENCE	
GRACO PART NUMBER	6880119
Pump Package	10:1 Drum Mount
Max. Working Pressure	125 bar (12.5 MPa/ 1800 psi)
Max. Air Input Pressure	12.5 bar (1.2 MPa / 180 psi)
Fluid Flow at 60 cpm	11.4 lpm (3 gpm)
Cycle	189 cc (6.4 oz)
Air Inlet Size	1/2" npt(f)
Fluid Inlet Size	1/2 in
Fluid Outlet Size	3/4 in
Manual	308116
Pump Std Repair Kit	224401
Optional PTFE Repair Kit	224889

Accessories

- 247878 Std. Discharge hose (3/8" x 15 m):
10 bar with M & F QD's
- 247880 Gun SST quick disconnect connections
- 24W471 Hose Reel Kit:
344 bar (5000 psi) maximum pressure
- 15T272 Coupler, 3/8" QR, 3/8-18 NPT:
For adding a second hose with gun to the outlet of the pump

SANITISING, DISINFECTING AND DEODORISING JOBS

SANISPRAY HP™

When sanitising a small room or the entire deck, you want to have the right equipment to do the job. Otherwise, surfaces might not be efficiently disinfected or the equipment might be even unsafe to use. Graco's SaniSpray HP-range is specifically designed to disinfect any surface safely, fast and thoroughly.

The complete line of SaniSpray HP sprayers is built to deliver the highest level of productivity on every job. Whether you need to treat a small spot or an entire deck, there is a SaniSpray HP model with the performance you need to take on the task.



Advantages

- Consistent atomisation and coverage**
 Delivers the proper atomisation required to quickly and consistently coat surfaces to disinfect and sanitise efficiently
- Ready to spray**
 Comes with everything you need to start immediately. Just add disinfectant and get to work.
- High speed and productivity**
 Choose the SaniSpray HP model by its flow rate to match job requirements

IMPA REFERENCE				
GRACO PART NUMBER	25R943 (230V CEE) 25R949 (230V UK)	25R945 (230V CEE) 25R950 (230V UK)	25R946 (230V CEE) 25R948 (230V IT/DK/CH/UK)	25R947 (230V CEE) 25R951 (110V UK)
Graco Model	SaniSpray HP 20* Corded Handheld Sprayer	SaniSpray HP 20 Cordless Handheld Sprayer	SaniSpray HP 65 Portable Hopper Sprayer	SaniSpray HP 130 2-Gun Cart Sprayer
Max. Flow Rate	0.6 lpm (0.16 gpm)	0.6 lpm (0.16 gpm)	1.9 lpm (0.5 gpm)	3.8 lpm (1 gpm) Ability to use 2 guns simultaneously
Max. Tip Size	.019"	.019"	.023"	.031"
Pressure	Adjustable 69 bar (6.9 MPa, 0-1000 psi)			
Particle** Micron Size	Adjustable Particle - Micron Size - Fine Mist to Coarse Spray			
Capacity	Fill & Spray 1.25 litres (0.33 gal)	Fill & Spray 1.25 litres (0.33 gal)	Pour & Go 5.7 litres (1.5 gal)	High Production Use Any Container
Power Sources	230V CEE Corded 230V UK Corded	DEWALT 18V Cordless Lithium Ion Batteries	230V CEE Corded 230V IT,DK, CH, UK Corded	230V CEE Corded 110V UK Corded
Includes	<ul style="list-style-type: none"> • 313 Fine Spray Tip • 515 & 619 Coarse Spray Tip • 40 cm (15.7 in) Spray Extension • 5 FlexLiner Bags • Storage Plug • Storage Bag 	<ul style="list-style-type: none"> • 313 Fine Spray Tip • 515 & 619 Coarse Spray Tip • 40 cm (15.7 in) Spray Extension • 2 DEWALT®*** 18V Max 2.0 ah Lithium-Ion Batteries • Charger • 5 FlexLiner Bags • Storage Plug • Storage Bag 	<ul style="list-style-type: none"> • SaniSpray HP Gun • ¼" x 15m (50ft) BlueMax II Hose • 1/8" x (4.5 ft) BlueMax Whip Hose • 515 Fine Spray Tip • 617 & 619 Medium & Coarse High Production Spray Tips • 40 cm (15.7 in) Spray Extension 	<ul style="list-style-type: none"> • (2) SaniSpray HP Guns • (2) ¼" x 15m (50 ft) BlueMax II Hose • (2) 1/8" x (4.5 ft) BlueMax Whip Hose • (2) 617 Fine Spray Tips • (2) 617 & (2) 619 Medium & Coarse High Production Spray Tips • (2) 40 cm (15.7 in) Spray Extension
Modular Repair	Yes	Yes	Yes	Yes

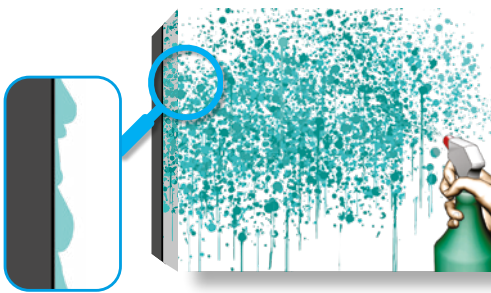
* SaniSpray HP 20 Corded Handheld Sprayer cannot spray alcohol based (flammable) products.

** Particle size will vary based on tip size, pressure and disinfectant product. Average particle size measured when spraying water ranges from 30 to 110 microns

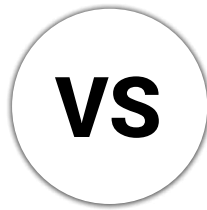
*** DEWALT® and the DEWALT Logo are trademarks of DEWALT Industrial Tool Co. and are used under licence.

Graco's SaniSpray HP products have been designed to deliver consistent coverage, without heavy drips and runs, so that you can achieve specified disinfectant dwell times. Only Graco's SaniSpray HP sprayers are designed and built specifically to be compatible with sanitising and disinfecting chemicals while applying them with maximum efficiency.

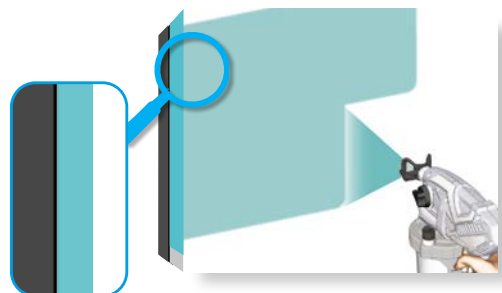
THE OLD WAY



Inconsistent coverage with drips and runs



THE SANISPRAY HP WAY



Consistent coverage from edge to edge

Compatible Disinfectants

- Approved Alcohol-based (Flammable) Active Ingredients - Ethanol, Isopropanol (except for SaniSpray HP 10 and 20 Corded models)
- Approved Non-Alcohol Based Active Ingredients - Aldehydes, Phenols, Quaternary Ammonium Compounds, Sodium Hypochlorite (Bleach), Peroxyacetic Acid, Hydrogen Peroxide, Hypochlorous Acid
- Consult with your material manufacturer to confirm spray application and equipment compatibility

		RAC X LP TIPS:						
		LESS		MATERIAL FLOW			MORE	
		FINE MIST		ATOMISATION		COARSE SPRAY		
IN		.013"	.015"	.017"	.019"	.021"	.023"	.025"
Narrow ↑ SPRAY PATTERN WIDTH ↓ Wide	6-8	LP 313	LP 315					
	8-10		LP 415	LP 417	LP 419	LP 421	LP 423	LP 425
	10-12		LP 515	LP 517	LP 519	LP 521	LP 523	LP 525
	12-14		-	LP 617	LP 619	LP 621	LP 623	LP 725
	14-16		-	-	-	-	LP 723	LP 725

SaniSpray 20 Optimal Range

SaniSpray 65 Optimal Range

SaniSpray 130 Optimal Range

SMALL SURFACE PREPARATION JOBS

GRINDLAZER™

Proper surface preparation is essential to ensure optimal adhesion of any coating to the surface by removing all surface contaminants – leaving the surface clean, dry, properly profiled and sound.

The GrindLazer HandHeld Series is a great choice for small onboard surface preparation jobs.

The rugged and compact design allows for easy touch-ups, edging and removal of renders and coatings from steel surfaces in hard-to-reach areas.



Advantages

- **Versatile**
Handles both horizontal and vertical surfaces
- **Long life**
Steel and high-impact plastic construction
- **Flexible**
Available in both drum and rotary styles

IMPA REFERENCE		
GRACO PART NUMBER	25N391	25N392
Graco Model	GrindLazer Standard DC21 E	GrindLazer Standard RC71 E
Cutter Type	Drum	Rotary
Max. Working Width	5 cm (2 in)	17.5 cm (7 in)
Cutter Drum Diameter	10 cm (4 in)	10 cm (4 in)
Engine/Motor – cm ³ (HP)	230V Makita	230V Makita
Max. Cut Rate	10 m ² /hr (100 ft ² /hr)	10 m ² /hr (100 ft ² /hr)
Vacuum Port	✓	✓
Manual	3A5575	3A5575


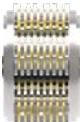

Both units come with a Carbide Flail cutter drum.

A Steel Star cutter drum is recommended when removing epoxy and corrosion on a steel surface.

USED ON: GrindLazer Standard DC21 E

See Repair manual for additional Cutter Stacking Recommendations.






CUTTER TYPE	PROFILE	INDIVIDUAL CUTTER	FULLY ASSEMBLED DRUM	DRUM REBUILD KIT	CUT WIDTH	#CUTTERS	#SPACERS	#RODS
CARBIDE FLAIL		DRUM STYLE CUTTER						
	-	19A009	-	-	-	1	-	-
	Fine	-	25M891	25M892	2 in / 5 cm	48	6	6
	Medium	-	25M889	25M890	2 in / 5 cm	36	42	6
	Course	-	25N060	25N065	2 in / 5 cm	30	60	6
STEEL STAR		DRUM STYLE CUTTER						
	-	19A063	-	-	-	1	-	-
	Fine	-	25M909	25M910	2 in / 5 cm	90	0	6
	Medium	-	25M905	25N066	2 in / 5 cm	54	60	6
CARBIDE STAR		DRUM STYLE CUTTER						
	-	19A005	-	-	-	1	-	-
	Fine	-	25M903	25M904	2 in / 5 cm	54	0	6
	Medium	-	25M901	25M902	2 in / 5 cm	42	36	6

USED ON: GrindLazer Standard RC71 E

See Repair manual for additional Cutter Stacking Recommendations.



CUTTER TYPE	PROFILE	INDIVIDUAL CUTTER	FULLY ASSEMBLED DRUM	DRUM REBUILD KIT	CUT WIDTH	#CUTTERS	#SPACERS	#RODS
CARBIDE FLAIL		ROTARY STYLE CUTTER						
	-	19A009	-	-	-	1	-	-
	Fine	-	25M915	25M916	7 in / 17.5 cm	42	36	6
	Medium	-	25M911	25N068	7 in / 17.5 cm	28	7	7
STEEL STAR		ROTARY STYLE CUTTER						
	-	19A063	-	-	-	1	-	-
	Fine	-	25M919	25M920	7 in / 17.5 cm	21	21	7
	Medium	-	25M917	25M918	7 in / 17.5 cm	56	7	7
CARBIDE STAR		ROTARY STYLE CUTTER						
	-	19A005	-	-	-	1	-	-
	Fine	-	25M931	25M932	7 in / 17.5 cm	28	35	7
	Medium	-	25M929	25M930	7 in / 17.5 cm	21	28	7

VAPOUR ABRASIVE BLASTING

ECOQUIP 2™ EQP

Whether you plan to remove old coatings on deck or corrosion control on steel structures on board, it's time to consider an alternative to your power/pressure washer, chemical cleaners or hand/bristle tools. Graco's EcoQuip 2™ EQp is a portable and powerful machine that gets the job done quickly and effectively.

Graco's Vapour Abrasive Blast Equipment (EcoQuip 2™) reduces dust by up to 92% compared to traditional dry blasting. The machine uses very little water, making containment and cleanup of debris simple while still delivering the right profile.



Advantages

- **Small and portable**
Easy to move on the deck (99.8 kg/ 220 lb)
- **Versatile**
Handles both horizontal and vertical surfaces
- **ATEX approved**
Can be used on all vessel types
- **Limited health risks**
Limited risks due to vibrations caused by hand tools
- **Environmentally friendly**
Up to 92% less dust and less media consumption compared to dry blasting minimizes tenting and containment. Uses less abrasive and less water, so you have no large slurry mess to clean up

Accessories

- 17D788 Blast Control Switch Pneumatic
- 17R840 Pinch Hose Replacement Kit EQp
- 26A075 Blast Hose Replacement 1"
- 26A077 Blast Hose Extension 1"
- 26A029 1" Nozzle Extension with Handles
- 17R451 Blast Hose Replacement 1"
- 24Z140 Blast Hose Replacement 1/2"
- 24Z141 Blast Hose Extension 1/2"
- 24Z931 1/2" Nozzle Extension with Handles
- 17R024 #4 Nozzle for 1/2" Blast Hose

Basic Technical Requirements

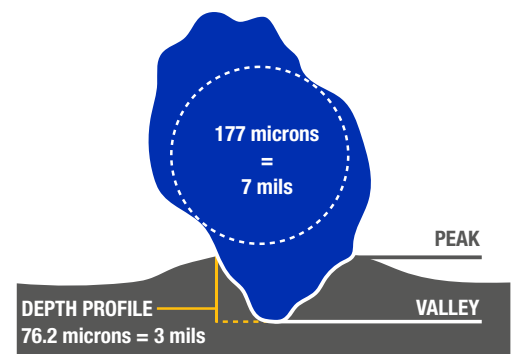
- Blast media (e.g. garnet, crushed glass, ...)
- A 1" blast hose is recommended to provide a larger blast pattern
- A water connection or an external water tank

IMPA REFERENCE	59 08 16	59 08 17
GRACO PART NUMBER	278861	278862
Graco Model	EQp ATEX Low Flow Package	EQp ATEX High Flow Package
Pot Capacity	57 litres (2 ft³)	57 litres (2 ft³)
Enclosure	Coated	Coated
Blast Circuit	16 mm (5/8 in)	16 mm (5/8 in)
Max. Compressed Air	8.5 m³/min (300 cfm)	8.5 m³/min (300 cfm)
Max. Blast Pressure	10.3 bar (150 psi)	10.3 bar (150 psi)
Nozzle	#5	#6
Blast Hose ID	12.7 mm (1/2 in)	25.4 mm (1 in)
Blast Hose Length	15 m (50 ft)	15 m (50 ft)
Manual	3A4802	3A4802

A PERFECT SURFACE PREPARATION BY CHOOSING THE RIGHT ABRASIVE.

- ▶ Abrasives for vapour blasting should always be non-ferrous, heavier than water and not dissolving in it.
- ▶ As a general rule, the blaster should use the finest abrasive necessary to attain the required surface preparation parameters.

Abrasive size, mesh		#20/40	#30/60	#80
Profile, Hy5, microns, mils; acc. to ISO8503/1*	Alumina	75 – 115 microns 3.35 – 4.5 mils	55 – 85 microns 2.16 – 2.95 mils	35 – 65 microns 1.4 – 2.0 mils
	Garnet	70 – 110 microns 2.75 – 4.30 mils	50 – 80 microns 1.97 – 3.15 mils	30 – 60 microns 1.18 – 2.36 mils
	Copper Slag	60 – 100 microns 2.36 – 3.94 mils	45 – 70 microns 1.77 – 2.75 mils	25 – 50 microns 1.0 – 1.97 mils
	Crushed Glass	55 – 75 microns 2.16 – 3.35 mils	35 – 50 microns 1.4 – 1.97 mils	15 – 30 microns 0.6 – 1.18 mils



* Please take into consideration that above data is based on the most optimal setup and results may vary based on local parameters

RECOMMENDED ABRASIVE SIZES FOR ECOQUIP Eqp

Mesh	Inch max	Inch average	Inch min	Microns max	Microns average	Microns min
20	0.0430	0.0270	0.0180	1 092	686	487
25	0.0320	0.0220	0.0140	813	559	356
30	0.0300	0.0190	0.0120	762	483	305
40	0.0220	0.0140	0.0095	559	356	241
45	0.0195	0.0120	0.0080	495	305	203
50	0.0160	0.0100	0.0065	406	254	165
60	0.0130	0.0080	0.0050	330	203	127
70	0.0115	0.0065	0.0040	292	165	102
80	0.0095	0.0057	0.0035	241	145	89

Recommended

Possible

Only if you have to. Large size abrasives are recommended only in mixtures with small abrasives like 30/60 or 20/40

DUST REMOVAL

LAZERVAC™

Cleaning up after blasting or grinding to remove all the dust can be most time-consuming, and labour is costly. All dust must be removed before you can move on to the next stage of the job because any residue left will spoil the coating. Use Graco's LazerVac for all-round surface preparation jobs to efficiently remove and reduce airborne dust.

Advantages

- **More uptime**
Toolless design allows for quick filter change-out while on the job
- **Safer jobsites**
OSHA-compliant filtration removes dust, resulting in a safer environment
- **Reduced filter clogging**
Separate motor operates dual paddles, which knock down the debris from the filter while you work, preventing filter clogging

Accessories

- 17X185 Filter for LazerVac 330 (1 piece)
- 17X695 Dust bags for LazerVac 330 (20 pieces)
- 17X156 Standard vacuum hose (9 m/29.5 ft)
- 17X704 High-temperature vacuum hose (9 m/29.5 ft)



IMPA REFERENCE	
GRACO PART NUMBER	26B003(EU) / 26B004(IT) 26B005(CH) / 26B006(DK)
Graco Model	LazarVac 330
Air Power - Air Watts	1665
Air Flow - l/sec. (cfm)	175 l/sec (375 cfm)
Vacuum Pressure	186.8 mmHg (100") water
Capacity	75 litres (20 gal)
Motor Engine cc (hp)	230V electric (3.0)
Manual	3A5576



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All written and visual data contained in this document are based on the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice.

Graco is certified ISO 9001.



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Fluid Handling Solutions ◀

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