COMBO
Graco Reactor 2
E-XP2

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TESTED
Reactor E-XP2
GRACO

COMBO Graco Reactor 2 E-XP2

Exclusively by Kalivis SA

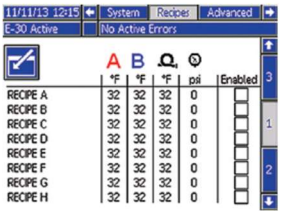
Integrated Reactor unit for polyurethane foam and polyurea applications with **unique advantages and unbeatable price!**

Following COMBO Graco Reactor E-XP1, the new model COMBO Graco Reactor 2 E-XP2 is here to fill the gap created by the interrupted production of GRACO Integrated Reactor E-XP2i, which has already been ceased by the producer.

COMBO Graco Reactor 2 E-XP2 incorporates the latest advanced GRACO's technology, implemented in one unit that offers an all in one solution:

- ✓ GRACO's excellent quality and advanced technology – Graco Reactor 2 E-XP2, which is integrated in the COMBO unit, is the latest technological achievement of the factory, which is not possible to be competed by any product of any competitor around the globe. Using advanced digital technology, it is equipped with programming, automation and control modules that do not exist in any other unit. Being an extremely productive unit, it is the proper reactor for the application of a wide range of material, starting from polyurethane foam and up to the toughest pure polyurea, with maximum flow output 7,6 liters per minute and maximum pressure 241 bar. Undoubtedly this unit is the best seller of the market.

- ❖ Robust construction
- ❖ Advanced control technology
- ❖ Easy and fast troubleshooting
- ❖ Ergonomically designed electronic controller with portability option
- ❖ Ability to operate through any mobile phone
- ❖ New Y-strainer filter set with additional material input analog thermometers and manometers for easy identification and solution of any problem
- ❖ Advanced electronic systems
- ❖ Brushless electric motor for long life, minimal maintenance, improved performance and complete control during operation



Try the QR Code

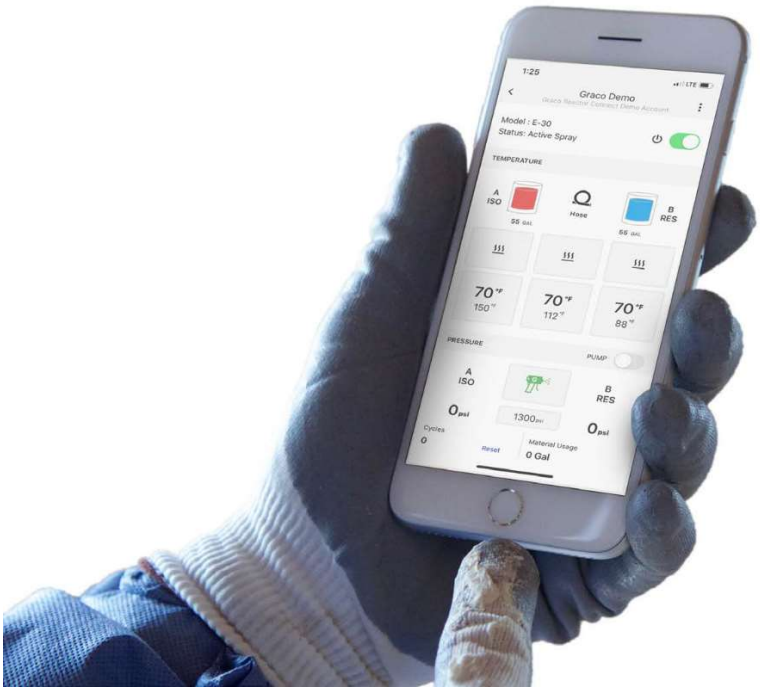
- Easy viewing, monitoring, recording and storage of all project data, which can then be downloaded to a USB drive for further analysis
- Easy-to-read control screen, with barrels level simulation indicators and data recording system, such as daily performance, start-up and shutdown times, etc.
- Storage of up to 24 spray recipes (temperature and pressure settings) of materials for future applications
- Reduced problem recognition and system recovery time by the usage of QR codes over the Web, which explain the problem and provide solutions
- Advanced control and safety scheduling so that in the event of a pressure imbalance the system will warn or stop automatically

Ergonomic design makes it easier to use and maintain the unit. The reactor's electrical panel is located at the top front position, just behind the electronic control panel. Thus, all controls are much more easily accessible, compared to previous models

Advanced electronic systems that enhance the durability and reliability of the unit. They manage power fluctuations and minimize pressure unbalance resulting in smooth and continuous spray efficiency.

As an additional level of protection, Graco added an overload lock to the control panel. This is sucrificed when there is a potential electrical overvoltage, protecting the entire unit and, after changing it, the unit restarts immediately its normall function

- ✓ Economy, compared to any other similar Graco's or competitive models. Simple math and comparison will convince you that with the money you would buy a simple reactor trunk, you can now have a complete system of very high standards and capabilities, the COMBO Graco Reactor 2 E-XP2.
- ✓ Economy in setting up your rig - If you calculate how much you would spend to create an equivalent system in parts, you will realize that at least 30% - 40% more money is required for individual machines, with the risk of not working properly together and having a much larger overall volume (see below the relevant section on ease and economy of transportation).
- ✓ Economy in operation - 30 KVA power will be consumed instead of 50 KVA that would be required for any other equivalent reactor setup. In one year COMBO Graco Reactor 2 E-XP2 will pay off its cost!
- ✓ Ease of use & ergonomics - With the push of one button the whole setup starts and you can control its operation and set the desired parameters from the central control position or even from your mobile phone.



The whole assembly is controlled from one position and this is a great advantage if compared to other fragmented and non-integrated systems in which the individual machines are located at different positions and must be constantly checked and adjusted. In addition, the COMBO Graco Reactor 2 E-XP2 has ergonomic add ons such as:

- automatic solenoid valve with timer for the water disposal out of the dehumidifier.
- continuous operation 10 A socket for the usage of any electric agitator or other equipment during spraying

- additional 16 A spare reinforced socket for the connection and use of grinding machines and dust collectors (for the preparation of the substrate), electric spray units (for the application of aliphatic paints or liquid membranes in general), as well as for any other use, and
- isolating switch of the central battery of the unit so that to avoid its exhaustion when the unit remains inactive for a long period of time

✓ Ease and economy of transportation – Any equivalemt non-integrated reactor setup would have multiple volume, so a big truck would be necessary for the transportation of the complete setup, or the generator would have to be towed on a trailer.

COMBO Graco Reactor 2 E-XP2 has the volume of one pallet and fits comfortably in an one-ton van, thus ensuring ease of transportation and economy in the purchase and movement costs of a big truck. You will not need a professional driver to drive an one-ton van, there is no reason for the generator to be towed on a trailer (which is extremelly dangerous above all ...) and many other benefits.

- ✓ Ease of installation - COMBO Graco Reactor 2 E-XP2 offers what even the GRACO Integrated Reactor E-XP2i could not give. It is designed in such a mode that can be placed in a small van with only one side door. It does not require two side doors for achieving the proper ventilation. COMBO Graco Reactor 2 E-XP2 cools down sufficiently with is own ventilators and the air flow that they create.
- ✓ Ease of storage - Inside or outside the truck COMBO Graco Reactor 2 E-XP2 consumes the minimum possible place. Thus the space remains available for the barrels of raw materials, facilitating its owner.
- ✓ Unique portability - What can one do when, even by the usage of the maximum hoses length and the placement of the truck at every possible place, this is not enough to approach and spray the complete surface of large projects? No problem with COMBO Graco Reactor 2 E-XP2. The machine can simply be taken out of the truck and be placed at the center of the project. Then, with a simple pallet fork lifter, it can be moved where needed. Absolute flexibility that non-integrated systems is not possible to offer.

Spraying material:

- Polyurethane Foam
- Hybrid Polyurea
- Pure polyurea
- Fast Set Polyurethane Membranes

Applications:

- Roofing, Basements, Flooring
- Pools, Tanks, Sewers
- Food Storage and Treatment Areas, Chemical Plants
- Cooling Chambers, Vechicle Coatings
- Corrosion Protection of Metal Surgaces and Pipes
- Marine Applications
  as well as any other use.

Technical Specifications of COMBO Graco Reactor 2 E-XP2

Graco Reactor 2 E-XP2	
Spray Unit	
Maximum Fluid Working Pressure	241 bar
Maximum Output	7,6 liters/minute
Output per Cycle (A and B)	0,0771 liters
Fluid Inlets	
Component A (ISO)	3/4npt(f) 20,7bar (Max)
Component B (RES)	3/4npt(f) 20,7bar (Max)
Fluid Outlets	
Component A (ISO)	#8(1/2in) JIC with #5 (5/16in) JIC adapter
Component B (RES)	#10(5/8in) JIC with #6 (3/8in) JIC adapter
Fluid Circulation Ports	
1/4 npsm(m), with plastic tubing; 250 psi (17.5 bar) maximum	
Electric Requirements	
Input Voltage	Nominal 350 – 415 VAC, Threephase, WYE: 340-455VAC, 50/60 Hz
Heater Power (without hoses)	15.300 W
Temperature	
Working Range Temperature	from -7°C up to 49°C
Maximum Fluid Temperature	88°C
Sound according to ISO 9614 (at a distance of 1m)	
Sound Pressure	79,6 db (A)
Sound Power	88,6 db (A)
Parts	
Wetted Parts	Aluminum, stainless steel, zinc plated, carbon steel, brass, carbide, chrome, chemically resistant o-rings, PTFE, ultra-high molecular weight polyethylene
Filters	Stainless Steel

Generator	
Type	AGE R33
Power Supply acc.ISO 8528-1	30/26 KVA/KW
Maximum Power Supply acc.ISO 8528-1	33/28 KVA/KW
Rotation Speed	1500 r.p.m.
Frequency	50 Hz
Power Phases	3
Nominal Voltage	230/400 V
Maximum Power Current cosϕ 0,8	43 A
Maximum Power Current per Phase cosϕ 1	35 A
Diesel Engine manufacturer	RICARDO - Italy
Diesel Engine Type	R4100D
Fuel	Diesel
Tank Capacity	140 lt
Autonomous Function With Full Load	20 hours
Number of Cylinders	4
Diesel Engine Chambers Volume	3.930 cm^3
Maximum Power on Shaft	40 KWm
Bore and Stroke	100 x 125 mm
Generator manufacturer	MARANELLO -Italy
Generator Type	M33
Generator Power	30 KVA
Generator Function	Brushless
Generator Output	Stabilized with AVR
Generator Winding Insulation Class	H
Generator Output at 100% at cosϕ 0,8	88%
Air Compressor	
Manufacturer	EUROMAIR France
Type	EUROPRO40
Rotation Speed	1420 rpm
Flow-rate of air absorbed	546 lt/min (33 m3/h)
Oil capacity (crankcase)	1,52 lt
Oil consumption	1,4 g/h
Motor Power	3 KW
Electrical Supply	230 Vac
Frequency	50 Hz
Current	16 A
Thermal Protection	Yes
Safety Valve	Yes
Tank Capacity	4,5 lt

Maximum Pressure	10 bar
Air Coupling	Quick-connect
Noise Level	92 Lwa
Air Cooler Filter	
Manufacturer	EUROMAIR France
Type	91230
Electrical Supply	230 V
Current	0,4 A
Maximum Pressure	12 bar
Maximum Flow	1025 m3/h
Air Coupling	Quick-connect
Total Unit Dimensions / Weight	
Dimensions (w x l x h)	1300x1600x1600 mm
Weight (No Hoses, Pumps, Circulation Pumps etc. included)	940 kg

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