



Your project deserves it.



WIWA PFP Solutions



WWW.WIWA.COM

For small areas and repairs

Fire and its heat present a great risk to life and property.

Passive fire protection is primarily used to maintain the functionality of buildings, pipelines and containers for a defined period of time, since at temperatures of approx. 550°C the critical core temperature is reached and buildings are at risk of collapse. In the event of a fire, the flame retardant material foams up, thus limiting the temperature development in the respective critical range over time. This saves important time for rescue and evacuation measures.

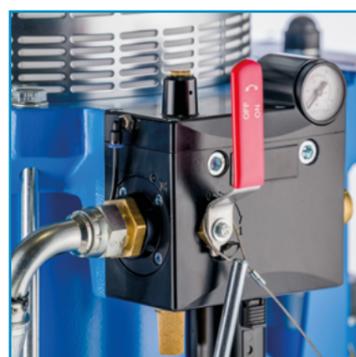
ADVANTAGES

- Single feed unit for the use for smaller areas and for repairs
- State-of-the-art technology
Made in Germany
- Highly qualified employees, agents and distributors world- wide for local sales and service
- Competent customer service in the local language
- Safe and easy system operation
- Top quality and service at a fair price

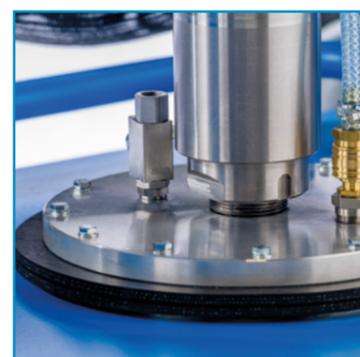
AREAS OF APPLICATION

- Fire protection
- Corrosion protection
- Marine industry
- Steel construction
- Industry

Technical Data	
Output per cycle (cm ³)	275
Pressure ratio	75:1
Max. output at 60 double strokes (l/min)	16,5
Max. operating pressure (bar/psi)	450/6526
Order No.	0663691
Order No. Accessory kit PFP ready-for-spraying version 500F/WD	0651003



Maintenance unit



Follow-up lid



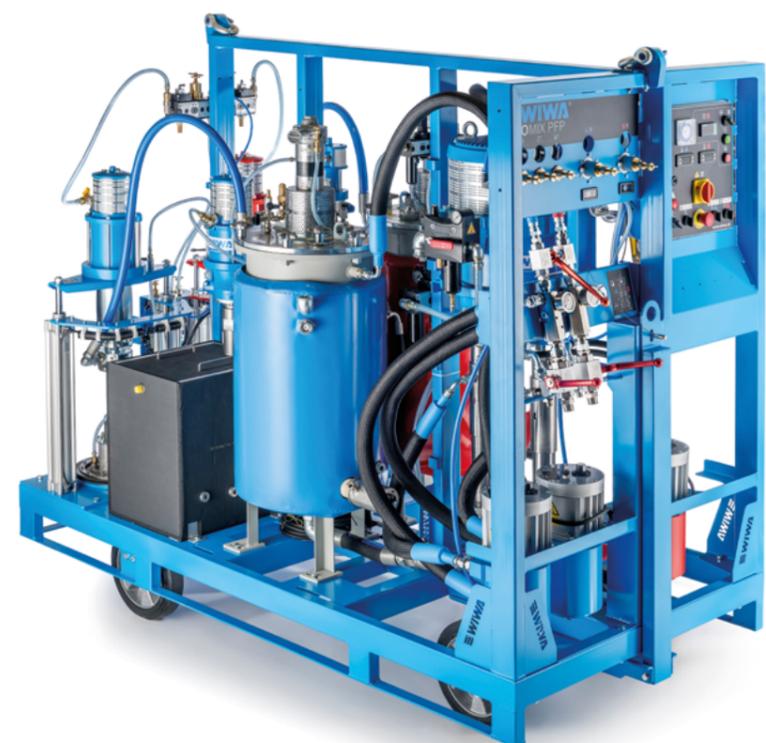
Control unit

For smaller areas and for repairs

Supply of spare parts and accessories readily available

Commissioning and training at customers location or job site

Passive fire protection of the high performance class



Since the „update“, the pressure vessels are heated directly with a heating element, which allows the temperatures of the base component and hardener to be set individually and precisely. The speed of the agitators is adjustable. In addition to pressure and dosing monitoring, a timer has been added to shorten the preheating time. For additional mobility, we also offer an attachment kit to the chassis in addition to the stand frame.

You want more? In the premium version of the WIWA DUOMIX 333 GX PFP, all measured values are shown on a display, which can also be used to easily set the heaters. The filling level is continuously monitored by radar sensors. With the WIWA DATALOGGER you also have an optional overview of the operating data of your the operating data of your plant.

For even more process reliability, efficiency and user-friendliness!

AREAS OF APPLICATION

- Offshore industry
- Oil and gas industry
- Building and corrosion protection

With the new WIWA DUOMIX 333 GX PFP, you can now process intumescent material even more smoothly, more efficient and easier!

The high-performance system is characterized by safe, user-friendly operation and the possibility of modular configuration according to customer requirements.

Simple and safe operation of the system in use

Flexibly adaptable to different PFP materials

Multifunctional frame suitable for forklift trucks and cranes

Lloyd's Register certified that one of our Duomix 333 GX PFP units satisfies the requirements for operation in a Zone 1 hazardous area as defined in BS EN 60079-10-1:2009. ATEX Designation CE II2Gc IIB T3.

The approved WIWA DUOMIX 333 GX PFP -Zone 1- is based on the successful DUOMIX 333 unit, but its electrical components have been reduced to a minimum. The electrical controller and filling level meter for the water tanks are protected by pressure encapsulated housing control boxes. All components comply with the ATEX regulations.



Pneumatic agitators



Large, clearly arranged control panel



Adjustable material flow heaters



Radar sensors for level control

Technical data	DUOMIX 333 GX PFP				
	Basic	Basic	Premium	ATEX (Zone 1)	ATEX (Zone 1)
Version	Basic	Basic	Premium	ATEX (Zone 1)	ATEX (Zone 1)
Pressure ratio	61:1	66:1	66:1	66:1	61:1
Delivery rate per DS (cm ³)	329	306	306	306	329
Max. Delivery rate per 60 DS	19,7	18,4	18,4	18,4	19,7
Max. Air inlet pressure (bar/psi)	7/101	6,5/94	6,5/94	6,5/94	7/101
Max. Operating pressure (bar/psi)	427/6193	429/6222	429/6222	429/6222	427/6193
Mixing ratio	2,33:1	1:1	1:1	1:1	2,33:1
Voltage (V)	400	400	400	400	400
Order No.	0671660	0672375	0672376	0672630	0672738

Powerful fire protection, electronically controlled

With the **WIWA FLEXIMIX GX PFP**, we are introducing a new multi-component system in the field of passive fire protection offering enormous flow rates for thick film builds - with a variably adjustable, precisely maintained mixing ratio.

To ensure the correct mixing ratio, the operation of the **FLEXIMIX GX PFP** is weight or volume based. Ratio checks are quick and easy to perform and they save time and material, as cost-intensive rework is no longer required. The fill of the material to be processed is determined by radar sensor and can therefore always be read in real time on the display.

This high-performance series comes standard on a forklift frame including hose holder and crane eyes, making it amazingly mobile and almost limitless in its use. For even more flexibility, we also offer an extension to the mobile rack.

Monitoring is carried out via an Omron PLC, whereby further operating data such as spraying pressure, temperature, mixing

ratios and consumption quantities can be recorded with the **WIWA DATALOGGER**. In addition to the clear display, operation is generally very simple and can be learned within a short time.

The **FLEXIMIX GX PFP** already operates ex works with five heating circuits, namely for components A and B, pressure vessels A and B and the hose package. Since the material pressure vessels are each heated directly with a 4 kW tubular heater, the heating time is short and the temperature control is accurate. On request, the unit can be extended by further material fluid heaters and thus be modularly adapted to the respective requirements. The large fluid cross-sections also mean that there is less pressure loss.

The result: an even higher flow rate!

Especially when working in rapid succession with different PFP coatings, the **FLEXIMIX GX PFP** convinces with its electronic control enabling mix ratio changes in seconds.

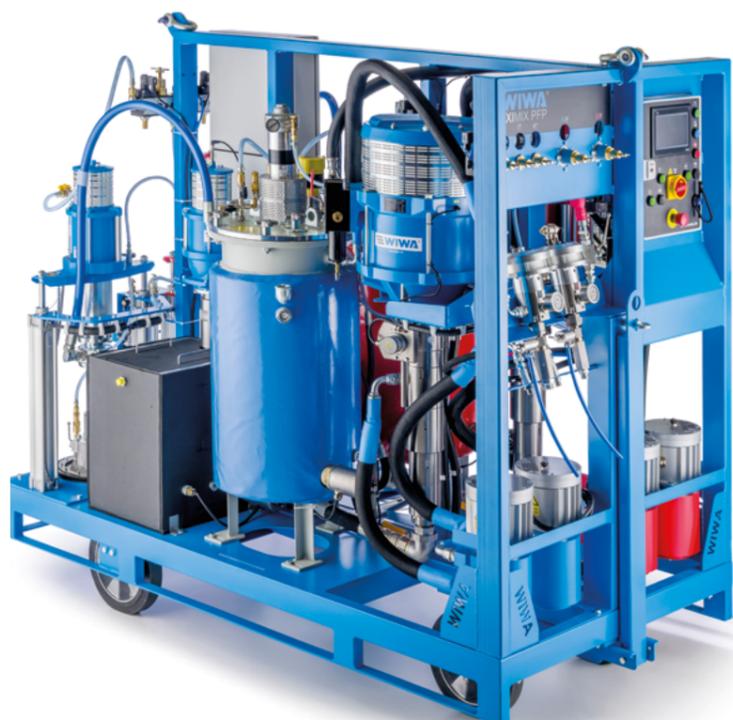
Technical data	
Mixing ratio	1:1 - 10:1
Max. Delivery rate (l/min)	11,5
Pressure ratio	75:1
Max. Operating pressure (bar/psi)	487/ 7063
Max. Material temperature (°C/ °F)	80/176
Max. Air inlet pressure (bar/psi)	6,5/94
Order No.	0670030

AREAS OF APPLICATION

- Marine industry
- Building and corrosion protection
- Steel construction
- Container construction
- Oil and gas industry

MATERIALS

- (Epoxy) fire protection materials



Pneumatische Rührwerke



Large, clearly arranged display



Electronically controllable material flow heaters



Radar sensors for level control

Variable mixing ratio

Clear display of all system parameters on large screen

Pressure vessels directly heated with strong heating power

Analogous to the modular design of our units, we also offer you an extensive range of high quality PFP accessories: From guns to economical heaters to the powerful agitator – WIWA offers the right durable equipment.



WIWA PFP FLOW CONTROL

In the case of automatic fire protection coatings with robots, process reliability is particularly important. With the new WIWA PFP FLOW CONTROL you can therefore – via coriolism measuring cells on the the PFP system – important information about the information about the current mixing ratio and the conveying capacity of your system.

For even more control, efficiency and serenity during application!



WIWA 500 F

The robust airless spray gun is ideal for fiber-filled fire-retardant materials. Equipped with four-finger trigger and front connection, it has extra large material passages. The optimized swivel joint has reduced weight by 235 g. It also prevents twisting of the connected hoses and thus facilitating work.

All parts in contact with the material are made of stainless steel.



WIWA MATERIAL FLOW HEATER

No runners on vertical surfaces, savings on solvents and energy, and excellent surface quality – with the explosion-proof WIWA material flow materials can be processed efficiently and without any problems. The explosion-proof devices are available for high and low pressure and have a T4 temperature classification. The heat exchanger can be flexibly positioned and can be easily exchanged. For external control we also offer an optional RFA version for external control.



WIWA AGITATORS

Your wish – our priority. Customer benefit and reliability of the agitators always come first, regardless of size and complexity. From the broad portfolio of highly efficient WIWA agitators you will always find the optimum system for almost any task. All parts in contact with the material are made of stainless steel.

The pneumatic hand agitator with gearbox and two counter-rotating agitator blades shown above is the perfect complement for the WIWA Herkules PFP (Order no. 0652214).



Spray guns, heaters, agitators, hoses - on request, we will be pleased to present our extensive range of accessories.



Your project deserves it.

A selection of the WIWA Areas of Application

The application spectrum of our equipment and systems ranges from painting and bonding in mechanical and vehicle engineering to large-area and thick-film coatings in the marine and offshore industries, in building and corrosion protection, and in passive fire protection.

In close cooperation with international experts, WIWA develops and implements industry-leading special solutions.



CRAFT TRADES, WINDOW & FURNITURE MANUFACTURING

Whether in a carpenter's workshop, a window maker or a piano maker: WIWA paint sprayers are in daily use in a wide variety of trades. Due to their large range and the numerous equipment variants, they are suitable for almost all application methods and materials.

WIWA Solutions: WIWA Effective, WIWA Profit, WIWA Phoenix GX Series, WIWA Fleximix 1



INDUSTRY

Frequent colour and material changes, a wide variety of pressure settings and viscosities are standard industrial paintwork requirements. Systems for decorative or protective coating must operate with the highest reliability in the industry and offer absolute flexibility - just like all WIWA systems.

WIWA Solutions: WIWA Phoenix, WIWA Professional, WIWA Herkules GX, WIWA Feed pumps, WIWA Duomix, WIWA Fleximix 1



MARINE- UND OFFSHORE-INDUSTRIE

WIWA supplies national and international shipyards with robust, powerful coating systems, which are specially designed for use under the most extreme weather conditions. Whether ships, platforms or harbour facilities: maritime constructions are exposed to particularly aggressive environmental influences. For this reason corrosion proof coatings have to meet the highest standards, they have to cover the metal effectively and completely.

WIWA Solutions: WIWA Professional, WIWA Herkules GX/PFP, WIWA Duomix 333/333 PFP, WIWA Fleximix 2



PIPES AND PIPELINES

A key factor in the cost effectiveness of any pipeline coating and lining is both the longevity of such a measure as well as the cost effectiveness of the application method. WIWA systems are ideally suited to use in coating systems which facilitate fully automatic and simultaneous application of coating materials to the inner and outer surfaces of pipes and pipelines.

WIWA Solutions: WIWA Professional GX, WIWA Herkules GX, WIWA Duomix, WIWA Fleximix 2, WIWA Centrifugal wheel



PASSIVE FIRE PROTECTION

When buildings catch fire, every minute counts. As soon as the structural steel in any building has reached the critical core temperature of around 550° degrees Celsius, it is in danger of collapsing. Passive fire protection has therefore become an absolute must. We have enhanced our application equipment for fire-protection materials accordingly in close collaboration with leading materials manufacturers.

WIWA Solutions: WIWA Herkules PFP, WIWA Duomix 333 PFP, WIWA Duomix 333 PFP - Zone 1



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