



Your project deserves it.



WIWA PU series



[WWW.WIWA.COM](http://WWW.WIWA.COM)

## Spray foam applications redefined

Simplicity at its best! **WIWA DUOMIX SPF** sprayers are very user-friendly. Direct display of pressure and temperature and simple programming make it easy. Connect. Switch on. Spray. Job done.

Perfection in manufacturing. Over 70 years of experience in the manufacture of paint spraying equipment and special material solutions make us your reliable partner. Worldwide at any time. Reliability without compromise. Perfect. The freedom to work on the go, small and compact, lightweight. Without limitations. In case you need a backup, our global partner network ensures fast and efficient service. Be independent, be free - with WIWA.



### Advantages

- Mobility
- Robust design
- Powerful air motor

### Areas of application

- Wastewater treatment plants
- PU tank coatings and linings
- Pipes and pipelines
- Manholes and sewers
- Floors and parking decks
- Rail vehicles and covering of track beds
- Fuel storage and retention systems
- Desalination plants
- Roof coatings
- Chemical protection (biogas reactors, sewage treatment plants)
- Flat roof waterproofing
- Heat insulation for buildings

### Materials

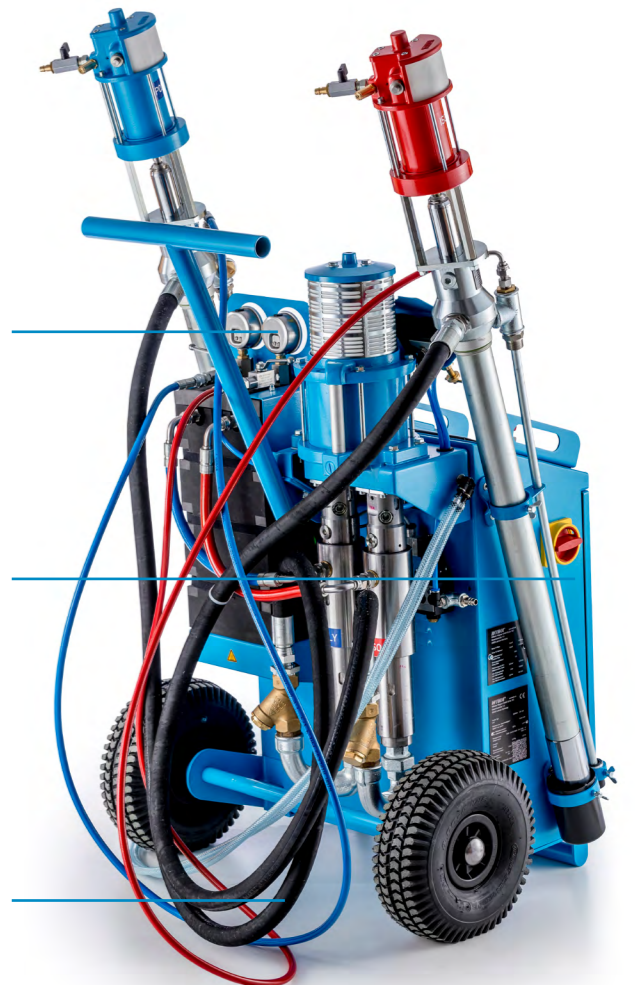
- Polyurea
- Polyurethane foams



Innovative interface with easy operation



User friendly control



Control display

Guaranteed quality and performance

Accessories package

## Simplicity, perfection, freedom

... with exactly the **WIWA DUOMIX SPF** equipment that best supports your project.

Depending on your application pressure and flow requirements, we offer two different models, the **SPF 240** and **280**. Both are available with either a cart frame or a stationary stand frame. For optimum temperature control, the POLY and ISO components are heated separately in the pump fluid heaters but together (in separate hoses) in the hose package.



F = Cart GS = Stand frame

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The ready-to-spray version includes the WIWA PU GUN 4040 with case, the hose package as well as the feed pumps including connecting hoses and attachment kit for the corresponding holder.

Model	Base (A) - POLY	Hardener (B) - ISO	Pressure ratio	Mixing ratio	Delivery rate per double stroke	Max. hose length	Max. air inlet pressure	Max. operating pressure	Max. material temperature	Weight	Equipment	Part No.
SPF 240	43 cm <sup>3</sup>	43 cm <sup>3</sup>	25:1	1:1	86 cm <sup>3</sup>	93 m	8 bar	200 bar	80 °C	77 kg	Basic version (F)	0671177
SPF 240	43 cm <sup>3</sup>	43 cm <sup>3</sup>	25:1	1:1	86 cm <sup>3</sup>	93 m	8 bar	200 bar	80 °C	67 kg	Basic version (GS)	0671176
SPF 240	43 cm <sup>3</sup>	43 cm <sup>3</sup>	25:1	1:1	86 cm <sup>3</sup>	93 m	8 bar	200 bar	80 °C	118 kg	Ready-to-spray version (F)	0671179
SPF 240	43 cm <sup>3</sup>	43 cm <sup>3</sup>	25:1	1:1	86 cm <sup>3</sup>	93 m	8 bar	200 bar	80 °C	108 kg	Ready-to-spray version (GS)	0671178
SPF 280	72 cm <sup>3</sup>	72 cm <sup>3</sup>	15:1	1:1	144 cm <sup>3</sup>	93 m	8 bar	128 bar	80 °C	81 kg	Basic version (F)	0668976
SPF 280	72 cm <sup>3</sup>	72 cm <sup>3</sup>	15:1	1:1	144 cm <sup>3</sup>	93 m	8 bar	128 bar	80 °C	67 kg	Basic version (GS)	0668975
SPF 280	72 cm <sup>3</sup>	72 cm <sup>3</sup>	15:1	1:1	144 cm <sup>3</sup>	93 m	8 bar	128 bar	80 °C	122 kg	Ready-to-spray version (F)	0668978
SPF 280	72 cm <sup>3</sup>	72 cm <sup>3</sup>	15:1	1:1	144 cm <sup>3</sup>	93 m	8 bar	128 bar	80 °C	110 kg	Ready-to-spray version (GS)	0668977

## For a high application rate

The **WIWA DUOMIX PU 540** is another member of the DUOMIX PU series. This pneumatic, compact, mobile and versatile unit processes almost all polyurethane foams and fast reacting polyurea.

The clearly structured design of the new **WIWA DUOMIX PU 540** allows the user to work quickly and conveniently. The new design of the dosing pumps ensures an even better material flow. The large output of the **WIWA DUOMIX PU 540** makes it optimally suited for high application rates. Feed pumps can be easily transported and stored in the integrated holder. The change from the stand frame to the cart can be realized within minutes by means of a conversion kit. The **WIWA DATALOGGER** offers an ideal supplement for quality management. All processing parameters, setting values and the alarm history can be read out and saved customer-specifically with commercially available smartphones, tablets or PCs via Wi-Fi.



## Advantages

- Reduced wear due to improved material flow
- Fast, efficient and gentle heating of the material
- More than 200 different mixing ratios can be realized within minutes

## Areas of application

- Wastewater treatment plants
- PU tank coatings and linings
- Pipes and pipelines
- Manholes and sewers
- Floors and parking decks
- Rail vehicles and covering of track beds
- Fuel storage and retention systems
- Desalination plants
- Roof coatings
- Chemical protection (biogas reactors, sewage treatment plants)
- Flat roof waterproofing
- Heat insulation for buildings

## Materials

- Polyurea
- Polyurethane foams

### Optional accessories

- Hose holder
- Holder for feed pumps
- Conversion kit to cart
- WIWA DATALOGGER
- Feed pump 146.03,7 N-L complete with connecting hose 2,2 m and suction elbow
- Diaphragm pump G 1/2" complete with suction pipe, suction angle and connecting hose 2,2 m

Technical data	WIWA DUOMIX PU 540	
Mixing ratio	1:1 (other mixing ratios on request)	
Delivery rate per DS	264 cm <sup>3</sup>	
Pressure ratio	31:1	
Delivery rate at 60 DS	15.8 l/min	
Air inlet pressure	8 bar	
Material flow heater	12 kW	
Heating capacity hose package	47 W/m	
Max. hose length	138 m	
Voltage / phases	230 - 400 V/3 P	
Max. power consumption	18,5 kW	
Operating pressure	247 bar	
Weight	210 kg	
Part No. without accessories	0665041 (230 V/3 P / 50/60 Hz)	0664250 (400 V/3 P / 50/60 Hz)
Part No. incl. hose package 18 m + PU GUN 4040	0665040 (230 V/3 P / 50/60 Hz)	0664300 (400 V/3 P / 50/60 Hz)

## Uncompromising application pleasure guaranteed

Mobile and compact or powerful and robust? No matter which of our units you choose - with WIWA you don't have to make any compromises.

Coatings with polyurea or PUR foams contribute to the long-term protection of pipes, floors, parking decks, roofs & co. against mechanical as well as chemical influences. Optimum application requires not only first-class materials and a trained operator. High-quality equipment that is safe and reliable in use is also a key factor.



We will be happy to advise you on the selection of the right PU unit. Just get in touch with us!



## Energy saving mode as standard



The **WIWA DUOMIX PU HX** completes our DUOMIX PU series with a hydraulic drive. This compact, mobile and versatile unit processes almost all polyurethane foams and fast reacting polyurea.

The **WIWA DUOMIX PU HX** is extremely quiet and allows the user to work comfortably without pulsation.

It is equipped with an energy-saving mode as standard. This detects the system status during coating and automatically switches off loads that are not currently required.

The new design of the dosing pumps ensures even better material flow. The large output of the **WIWA DUOMIX PU HX** makes it ideal for high application rates.

Feed pumps can be easily transported and stored in the integrated holder. The change from stand frame to cart can be realized within minutes by a conversion kit. The WIWA DATALOGGER offers an ideal supplement for quality management. All processing parameters, setting values and the alarm history can be read out and saved customer-specifically with commercially available smartphones, tablets or PCs via Wi-Fi.

## Advantages

- Reduced wear due to improved material flow
- Fast, efficient and gentle heating of the material
- More than 200 different mixing ratios can be realized within minutes

## Areas of application

- Wastewater treatment plants
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- Flat roof waterproofing
- Heat insulation for buildings

## Materials

- Polyurea
- Polyurethane foams

### Optional accessories

- Hose holder
- Holder for feed pumps
- Conversion kit to cart
- WIWA DATALOGGER
- Feed pump 146.03,7 N-L complete with connecting hose 2,2 m and suction elbow
- Diaphragm pump G 1/2" complete with suction pipe, suction elbow and connecting hose 2,2 m

Technical data	WIWA DUOMIX PU HX		
Mixing ratio	1:1		
Delivery rate per DS	194 cm <sup>3</sup>		
Delivery rate at 34 DS	6.6 l/min		
Air inlet pressure	8 bar		
Material flow heater	12 kW		
Heating capacity hose package	47 W/m		
Max. hose length	138 m		
Heating power hydraulic unit	4 kW/5 Ps		
Voltage / phases	230 - 400 V/3 P		
Max. power consumption	23 kW		
Operating pressure	250 bar		
Weight	350 kg		
Part No. without accessories	0664247 (230 V/3 P / 60 Hz)	0664258 (380 V/3 P / 60 Hz)	0664150* (400 V/3 P / 50 Hz)
Part No. incl. hose package 18 m + PU GUN 4040	0664421 (230 V/3 P / 60 Hz)	0664200 (380 V/3 P / 60 Hz)	0664210* (400 V/3 P / 50 Hz)



\*For 400 V versions, neutral and ground wires (five wires total) are required.  
Note: In the standard version, the WIWA DUOMIX PU HX is only suitable for 50 Hz. 60 Hz versions are also available on request.

## The perfect match



WIWA PU GUN 4040 manual gun



WIWA PU GUN 4040 automatic gun

With the development of the **WIWA PU GUN 4040**, we are expanding our wide range of innovative PU application technology with our own spray gun.

The concept of this pneumatically operated gun is based on the counterflow principle. Only immediately before the material exits the nozzle do the POLY and ISO components meet in the mixing chamber at a pressure of up to 250 bar. By simply replacing this mixing chamber, the material discharge of the gun can be adjusted to meet all customer requirements. The **WIWA PU GUN 4040** is suitable for use with round and flat spray nozzles.

The **WIWA PU GUN 4040** stands not only for plenty of technical innovations, but also for optimal working ergonomics. The low dead weight of the gun, the optimized handle design

and the variable arrangement of the connections for the material feed hoses allow for fatigue-free use even when coating large areas.

In addition to hand-held use, the spray gun can also be used in an automatic coating system with the aid of an optionally available adapter. To do this, simply replace the handle with an adapter.

Technical data	Manual gun	Automatic gun
Max. operating pressure	250 bar	
Max. air inlet pressure	8 bar	
Max. material temperature	100 °C	
Power range	1.2 - 22 kg/min	
Dimensions (L x W x H)	160 x 87 x 200 mm	100 x 70 x 292.5 mm
Weight	1.5 kg	1.25 kg
Part No.	0667480	0667797

**i** In the standard version, the WIWA PU GUN 4040 is equipped with a mixing chamber with round jet nozzle with a maximum output of seven kilograms per minute and a material sieve with 60 mesh.



### Scope of delivery

- PU GUN 4040
- Tool set
- Grease gun
- Twist drill set
- Protective cover
- Robust case

### Optional accessories

- Protective cover
- Adapter for automatic operation
- Flushing device
- Mixing chambers
- Round jet nozzles
- Flat jet nozzles
- Various connections

## Advantages

- Easy adjustment of the material discharge
- Fatigue-free use due to optimum working ergonomics
- Uncomplicated conversion from manual to automatic gun by means of adapter

With the WIWA  
PU GUN 4040 above  
the city rooftops

Many practical details and the possibility to quickly and easily adapt the WIWA PU GUN 4040 to different application requirements make it a real expert tool.





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**BUREAU VERITAS**  
Certification

