

BÜFA Tec Complete Range



Composites



Efficient Machine Technology

BÜFA Tec

With our wide range of durable and efficient BÜFA Tec processing machines, we provide proven application technology—developed in-house—to support and enhance your production processes. The spectrum ranges from practical Hand Metering Pumps to complex dosing, mixing and application systems.

BÜFA Tec is happy to develop customised solutions for your specific applications together with you. Our experts work closely with you to ensure that every machine and every system is customised precisely to your specific requirements. We leverage cutting-edge technologies and innovative ideas to consistently deliver the highest levels of quality and efficiency. Whether you are active in the automotive industry, shipbuilding, or any other area of the composites industry, BÜFA Tec is at your side as a reliable partner.

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Gelcoat Spraying Units



BÜFA®-Tec Poly-Jet Cup Gun

Experience maximum flexibility with the Poly-Jet cup gun. Thanks to its various nozzles, it is ideal for the even application of almost all types of gelcoats, regardless of their viscosity. This versatility makes the Poly-Jet cup gun the perfect choice for a wide range of applications and requirements.

Details:

- Low costs
- Simple operation
- Uncomplicated cleaning and maintenance
- Fast and even coating

Item Numbers:

026-0100 BÜFA®-Tec Poly-Jet cup gun

Accessories:

026-0308 O-ring for all nozzle sizes

Technical Data

Maximum air pressure [bar]	3,5 - 7
Maximum flow rate (gelcoat) [l/min]	3,5
Air consumption, approx. [l/min]	400-800
Peroxide system	Premixed

Nozzles (single)

Diameter [mm]	Article no.
4	026-0104
5	026-0105
6	026-0106

Container

Container size [l]	Article no.
1,0	026-0110



Individual components Poly-Jet cup gun



Gelcoat Spraying Units



BÜFA®-Tec Century Gun

Our Century gun is a central component of our systems and offers a continuous, low-emission spray jet for excellent gelcoat deaeration. It allows for easy cleaning, quick nozzle changes and various extensions without the need for rinsing after applied material.

Details:

- Continuous, low-emission spray jet for excellent gelcoat deaeration
- Peroxide mixing optionally by External mixing (EM) or internal mixing (IM)
- No rinsing process after applied material required
- Easy cleaning
- Quick nozzle change
- Low-pressure airless with auxiliary air

Item Numbers:

- 029-2500 BÜFA®-Tec Century gun EM
- 028-1219 BÜFA®-Tec Century gun IM
- 028-1209 BÜFA®-Tec Century gun IM incl. cutter
- 028-1214 BÜFA®-Tec Century gun for laminating rolls
- 029-3977 BÜFA®-Tec Century gun with EM including cutter
- 028-1213 BÜFA®-Tec Century gun for adhesive resin applications

Technical Data

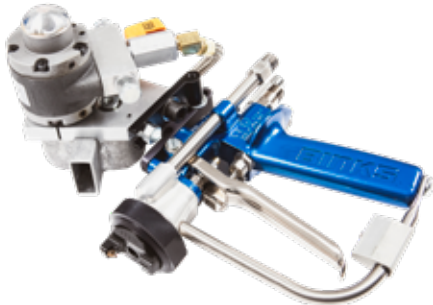
Material	Aluminium
Maximum air pressure [bar]	3,5 - 7
Maximum flow rate (gelcoat) [l/min]	3,5
Air consumption, approx. [l/min]	400-800
Peroxide system	Internal /external mix



Spray fans Century gun EM



Century gun EM



Century gun with cutter



Century gun for adhesive resin applications



Century gun IM

Gelcoat Spraying Units



BUFA®-Tec GSU ES1 2.0 EM

This gelcoat spraying unit (GSU) is ideal for small to medium-sized components of around 1-3 m², straight from the container. This unit enables the spraying of UP gelcoat resins. Resin and curing agent are mixed efficiently by means of external mixing.

Details:

- Clearly organised machine with simple operation
- Suitable for use in explosion-protected areas
- Pneumatic control
- Proven Century gun technology
- Excellent peroxide mixing due to external mixing of resin and Peroxide
- The pressurised container for peroxide allow a wide range of dosing settings
- Spraying different colours with the multicolour variant and extension unit

Technical Data

Pressure ratio resin	32:1
Pressure ratio peroxide	1:1
Pump output max. at 30 double strokes/min, water [l/min]	1,6
Delivery volume per double stroke [ml]	27
Volume capacity of pressurised peroxide container [l]	10
Air pressure, inlet [bar]	6
Air consumption, approx [l/min]	50-210
Peroxide tank [l]	10
Weight approx. [kg]	30
Dimensions approx. (L/W/H) [mm]	650 x 450 x 800

Item Numbers:

028-0282 BUFA®-Tec GSU ES1 2.0 EM



Pressure Control



Gelcoat Spraying Units



BUFA®-Tec GSU ES1 EM Easy Lift

This version of the ES1 gelcoat spray unit (GSU) is equipped with a trolley and is therefore extremely mobile. Thanks to our innovative lifting technology, daily work is made considerably easier.

Details:

- Simple operation thanks to innovative lifting technology
- Suitable for use in explosion-protected areas
- Pneumatic control
- Proven Century gun technology
- Excellent peroxide mixing due to External mixing (EM) of resin and Peroxide

Technical Data

Pressure ratio resin	33:1
Pressure ratio peroxide	1:1
Pump output max. at 30 double strokes/min, water [l/min]	1,6
Delivery volume per double stroke [ml]	27
Volume capacity of pressurised peroxide container [l]	10
Air pressure, inlet [bar]	6
Air consumption, approx [l/min]	130-200
Peroxide tank [l]	10
Weight approx. [kg]	60
Dimensions approx. (L/W/H) [mm]	880 x 740 x 1550

Item Number:

028-0352 BUFA®-Tec GSU ES1 EM Easy Lift



Optionally with Peroxide flow monitoring



Gelcoat Spraying Units



BÜFA®-Tec GSU 9C und 12C

These Gelcoat Spraying Units (GSU) are ideal for mobile use and make it easy to optimise the application of gelcoat. The 9C variant is well suited for small to medium-sized components and the 12C variant for medium to larger components. Both have the same air motor and transport trolley; the only difference is the size of the resin pump. The systems are available in both a two-colour and a six-colour version. We are happy to offer you other configurations on request.

Details:

- High mobility thanks to transport trolley
- Suitable for use in explosion-protected areas
- Pneumatic control
- Proven Century gun technology
- The pressurised container for peroxide allows a wide range of dosing settings

Item Numbers:

- 028-2170 BÜFA®-Tec GSU 9-C (one-colour)
- 028-2172 BÜFA®-Tec GSU 9-C (two-coloured)
- 028-2176 BÜFA®-Tec GSU 9-C (six-coloured)
- 028-2180 BÜFA®-Tec GSU 12-C (one-colour)
- 028-2182 BÜFA®-Tec GSU 12-C (two-coloured)
- 028-2186 BÜFA®-Tec GSU 12-C (six-coloured)

Technical Data

	GSU 9C	GSU 12C
Pressure ratio resin	30:1	15:1
Pressure ratio peroxide	1:1	1:1
Max. resin pressure [bar]	180	90
Pump output max. with 30 double strokes/min, water [l/min]	1,8	3,6
Delivery volume per double stroke [ml]	60	120
Air pressure, inlet [bar]	6	6
Air consumption, approx [l/min]	200-300	200-300
Weight approx. [kg]	50	50
Dimensions approx. (L/W/H) [mm]	650 x 500 x 900	650 x 500 x 900



Control panel



Gelcoat Spraying Units



BÜFA®-Tec 9C Omega and 12C Omega

These Gelcoat Spraying Units (GSU) are ideal for mobile use and make it easy to optimise gelcoat application. The 9C variant is well suited for small to medium-sized components and the 12C variant for medium to larger components. Internal mixing variants (IM) of these Gelcoat Spraying Units are also available.

Details:

- Mobile Omega chassis
- Suitable for use in explosion-protected areas
- Pneumatic control
- Proven Century gun technology

Item Numbers:

- 028-2260 BÜFA®-Tec GSU 12-C Omega EM
- 028-2275 BÜFA®-Tec GSU 9-C Omega EM
- 028-2256 BÜFA®-Tec GSU 12-C Omega IM
- 028-2271 BÜFA®-Tec GSU 9-C Omega IM

Technical Data

	GSU 9C	GSU 12C
Pressure ratio resin	30:1	15:1
Pressure ratio peroxide	1:1	1:1
Max. resin pressure [bar]	180	90
Pump output max. with 30 double strokes/min, water [l/min]	1,8	3,6
Delivery volume per double stroke [ml]	60	120
Air pressure, inlet [bar]	6	6
Air consumption, approx [l/min]	200-300	200-300
Weight approx. [kg]	50	50
Dimensions approx. (L/W/H) [mm]	1200 x 700 x 1500	1200 x 700 x 1500



Control panel



Gelcoat Spraying Units



BÜFA®-Tec GSU Delta

This Gelcoat Spraying Unit (GSU) offers proven application technology for your production processes: Gelcoat application directly from the container, suitable for medium to large components. Our innovative delta pump technology for resin and Peroxide ensures excellent Peroxide mixing.

Details:

- System optionally available with standard chassis, EVO-Line chassis or for wall mounting
- Clearly organised machine with simple operation
- Low pulsation thanks to the quick-changeover valve technology in the air motor in combination with the proven filter and pulsation damper unit
- Pump seals available for abrasive materials
- Suitable for use in explosion-protected areas
- Pneumatic control
- Proven Century gun technology

Item Numbers:

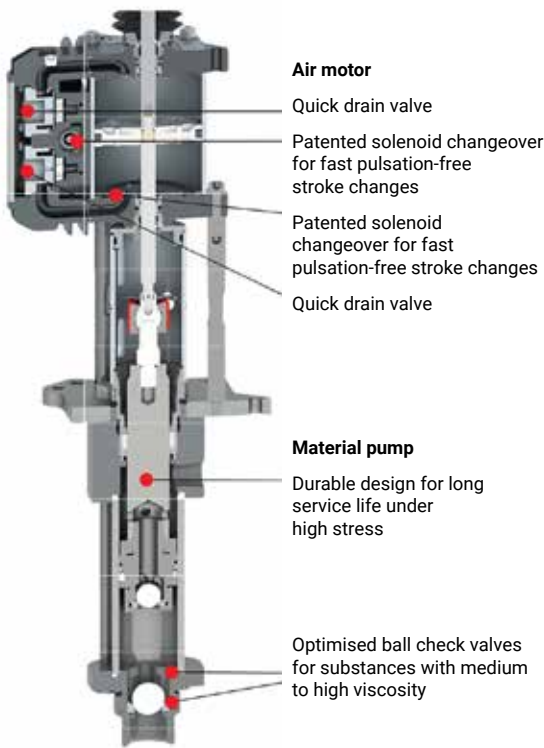
- 028-1701 BÜFA®-Tec GSU Delta 5.5 EM-C
- 028-1720 BÜFA®-Tec GSU Delta 5.5 IM-C
- 028-1980 BÜFA®-Tec GSU Delta EVO-LINE EM
- 028-1981 BÜFA®-Tec GSU Delta EVO-LINE IM
- 028-1702 BÜFA®-Tec GSU Delta 5.5 EM-W (wall-mounted)
- 028-1722 BÜFA®-Tec GSU Delta 5.5 IM-W (wall-mounted)

Accessories:

- 028-2600 Flow heater set 3.2 kW, ATEX
- 029-9776 Drum trolley and holder
- 029-9571 Hose holder
- 027-2034 V-seal
- 029-0840 Counter

Technical Data

Pressure ratio resin	17:1
Pressure ratio peroxide	1:1
Max. resin pressure [bar]	102
Pump output max. at 30 double strokes/min, water [l/min]	3,8
Delivery volume per double stroke [ml]	126
Air pressure, inlet [bar]	6
Air consumption, approx [l/min]	200-500
Peroxide content [%]	1-3
Weight approx. [kg]	60
Dimensions approx. (L/W/H) [mm]	1100 x 550 x 1500
Suitable for	External mixing / Internal mix



Innovative Delta Pump Technology

The systems are designed for a long, reliable service life and consist of sub-modules, so that quick overhauls and simple maintenance are possible.

The machine can be customised through the use of accessories, e.g. flow heaters or flow sensors.



Gelcoat Spraying Units



BÜFA®-Tec GSU Sigma 6

This Gelcoat Spraying Unit enables gelcoat to be sprayed directly from the container and is suitable for medium to very large components. Thanks to our innovative Sigma pump technology for resin and peroxide, excellent peroxide mixing is guaranteed.

Details:

- Clearly organised machine with simple operation
- Low pulsation thanks to the quick-changeover valve technology in the air motor in combination with the proven filter and damping unit
- Optional pump seals available for abrasive materials
- Suitable for use in explosion-protected areas
- Pneumatic control
- Proven Century gun technology

Item Numbers:

- 028-1985 BÜFA®-Tec GSU Sigma 6 EVO-LINE EM
- 028-1986 BÜFA®-Tec GSU Sigma 6 EVO-LINE IM

Accessories:

- 029-9776 Drum trolley and holder
- 029-9571 Hose holder
- 028-2600 Flow heater set 3.2 KW ATEX

Technical Data

Pressure ratio resin	23:1
Pressure ratio peroxide	1:1
Max. resin pressure [bar]	120
Pump output max. at 30 double strokes/min, water [l/min]	6,6
Delivery volume per double stroke [ml]	220
Air pressure, inlet [bar]	6
Air consumption, approx [l/min]	500-900
Peroxide content [%]	1-3
Weight approx. [kg]	60
Dimensions approx. (L/W/H) [mm]	1100 x 550 x 1600
Suitable for	External mixing / Internal mix



Innovative Sigma Pump Technology



Innovative Sigma Pump Technology

The Sigma pump is characterised by its **particularly high performance**. The pump system is designed for a long, reliable service life and consists of sub-modules that enable quick overhaul and easy maintenance.

Thanks to the modular design, the machine can be customised. Accessories such as flow heaters or peroxide flow sensors extend the machine's possible applications and customise the pump optimally to your specific requirements.

Fibre Spraying Units



BÜFA®-Tec FSU Delta

Effective Fibre Spraying Unit (FSU) for almost all components and resin systems. Our innovative delta pump technology for resin and peroxide ensures excellent peroxide mixing.

Details:

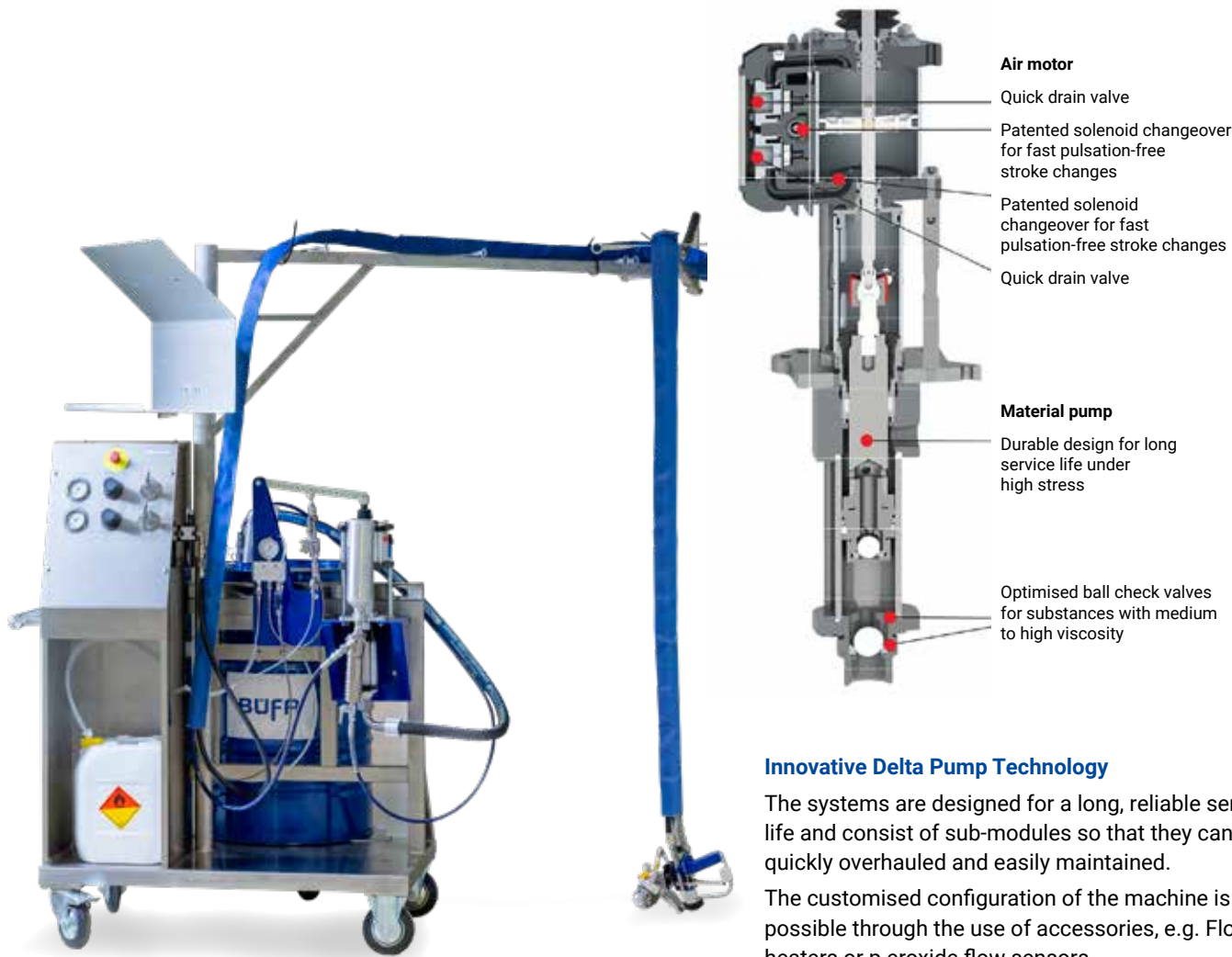
- EVO-Line stainless steel chassis
- Century gun technology with automatic fibre cutter
- Low pulsation thanks to the quick-changeover valve technology in the air motor in combination with the proven filter and pulsation damper unit
- Optional pump seals available for abrasive materials
- Suitable for use in explosion-protected areas
- Pneumatic control

Item Numbers:

028-1982 BÜFA®-Tec FSU Delta EVO-LINE EM
028-1983 BÜFA®-Tec FSU Delta EVO-LINE IM

Technical Data

Pressure ratio resin	17:1
Pressure ratio peroxide	1:1
Max. resin pressure [bar]	102
Pump output max. at 30 double strokes/min, water [l/min]	3,8
Delivery volume per double stroke [ml]	126
Air pressure, inlet [bar]	6
Air consumption resin pump, approx [l/min]	200-500
Cutter air consumption, max. [l/min]	780
Peroxide content [%]	1-3
Weight approx. [kg]	100
Dimensions approx. (L/W/H) [mm]	1000 x 800 x 2600
Suitable for	External mixing / Internal mix



Innovative Delta Pump Technology

The systems are designed for a long, reliable service life and consist of sub-modules so that they can be quickly overhauled and easily maintained. The customised configuration of the machine is possible through the use of accessories, e.g. Flow heaters or p eroxide flow sensors.

Fibre Spraying Units



BÜFA®-Tec FSU Sigma 6

Effective Fibre Spraying Unit (FSU) for almost all components and resin systems. Thanks to our innovative Sigma pump technology for resin and peroxide ensures excellent peroxide mixing.

Details:

- EVO-Line stainless steel chassis
- Century gun technology with automatic fibre cutter
- Low pulsation thanks to the quick-changeover valve technology in the air motor in combination with the proven filter and pulsation damper unit
- Optional pump seals available for abrasive materials
- Suitable for use in explosion-protected areas
- Pneumatic control

Item Numbers:

028-1987 BÜFA®-Tec FSU Sigma 6 EVO-LINE EM
028-1988 BÜFA®-Tec FSU Sigma 6 EVO-LINE IM

Technical Data

Pressure ratio resin	23:1
Pressure ratio peroxide	1:1
Max. resin pressure [bar]	120
Pump output max. at 30 double strokes/min, water [l/min]	6,6
Delivery volume per double stroke [ml]	220
Air pressure, inlet [bar]	6
Air consumption resin pump, approx [l/min]	500-900
Cutter air consumption, max. [l/min]	780
Peroxide content [%]	1-3
Weight approx. [kg]	100
Dimensions approx. (L/W/H) [mm]	1000 x 800 x 2600
Suitable for	External mixing / Internal mix



Innovative Sigma Pump Technology

The Sigma pump is characterised by its **particularly high performance**. The pump system is designed for a long, reliable service life and consists of sub-modules that enable quick overhauls and easy maintenance. Thanks to the modular design, the machine can be individually configured. Accessories such as flow heaters or peroxide flow sensors expand the range of applications and optimally adapt the pump to your specific requirements.

Lamination Roller Systems



BÜFA®-Tec RRU 12C

The BÜFA®-Tec Lamination Roller System RRU (Resin Roller Unit) 12C mixes and doses precisely. You determine the pressure and quantity of the resin mixture as you need it. The resin and hardener pump are pneumatically force-coupled.

Details:

- Cost-effective Lamination Roller System
- The pressurised container for peroxide allows a wide range of dosing settings
- Robust and proven pump technology
- High-quality chassis with drum holder

Item Numbers:

028-2250 BÜFA®-Tec RRU 12C

Accessories:

- 028-2600 Flow heater set 3.2 KW ATEX
- 028-0192 Laminating roller with ball valve
- 028-0092 Laminating roller with gun
- 028-0093 Laminating roller with gun short
- 028-0031 Injection head
- 029-9402 Gun GM-1-530, without nozzle



Technical Data

Pressure ratio resin	15:1
Max. resin pressure [bar]	90
Pump output max. at 30 double strokes/min, water [l/min]	3
Delivery volume per double stroke [ml]	120
Air pressure, inlet [bar]	6
Air consumption, approx [l/min]	2,6
Peroxide content [%]	1-2,5
Weight approx. [kg]	80
Dimensions approx. (L/W/H) [mm]	1200 x 700 x 1500
Suitable for	Laminating rolls



Control panel

Lamination Roller Systems



BÜFA®-Tec UNI 150 and UNI 275

The BÜFA®-Tec Lamination Roller System UNI 150 / 275 EVO-Line mixes and doses precisely. You determine the pressure and quantity of the resin mixture just as you need it. The resin and hardener pumps are pneumatically force-coupled. With the appropriate tools, the system can be used as an Injection System, Gelcoat Spraying Unit and impregnation system. The new EVO-Line chassis makes it easy to customise the system to your specific production requirements.

Details:

- High-quality EVO-Line chassis
- Robust and proven pump technology
- Self-adjusting pump packings
- Process reliability thanks to built-in Gelling time warning
- Stroke counter for optimising resin consumption
- Hardener shortage protection possible on request
- Minimised detergent consumption thanks to pulse rinsing

Item Numbers:

- 028-1950 BÜFA®-Tec UNI 150 EVO-Line
- 028-1952 BÜFA®-Tec UNI 150 EVO-Line V2
- 028-1975 BÜFA®-Tec UNI 275 EVO-Line
- 028-1977 BÜFA®-Tec UNI 275 EVO-Line V2

Accessories:

- 029-9776 Drum trolley and holder
- 029-9571 Hose holder
- 028-2600 Flow heater set 3.2 KW ATEX
- 028-0192 Laminating roller with jug
- 028-0092 Laminating roller with gun
- 028-0093 Laminating roller with gun short
- 028-0031 Injection head
- 029-9402 Gun GM-1-530, without nozzle

Technical Data

	UNI 150	UNI 275
Pressure ratio resin	20:1	20:1
Max. resin pressure [bar]	120	120
Pump output max. at 30 Double strokes/min, water [l/min]	3,7	6,6
Delivery volume per double stroke [ml]	122	220
Air pressure, inlet [bar]	6	6
Air consumption, approx [l/min]	500	500
Peroxide content [%]	1-5	1-2,5
Weight approx. [kg]	90	90
Dimensions approx. (L/W/H) [mm]	1000 x 740 x 1780	1000 x 740 x 1780
Suitable for	Laminating rolls	



UNI resin pump



Casting System Unit



BÜFA®-Tec SSU 20C IM

Our state-of-the-art BÜFA®-Tec SSU (Solid Surface Unit) 20C IM casting system processes resin-hardener mixtures to produce high-quality end products for the sanitary sector such as bathtubs, shower trays, sinks and other articles made of fibre reinforced plastic. The system allows the addition of a variety of fillers to customise the material characteristics and achieve optimum results. A precise dosing result is achieved with static mixers in the length required for each application. We offer two different pigment pumps: The small pigment pump achieves a mixing ratio of up to 2 %, while the large pigment pump enables a ratio of up to 6 %. Thanks to precise control and efficient operation, our casting system is the ideal solution for your production requirements.

Details:

- High filler quantity possible
- Simple production of moulded products
- Simple operation and clearly laid out machine

Item Numbers:

- 028-2100 BÜFA®-Tec SSU 20C
- 028-2101 BÜFA®-Tec SSU 20C + Pigment pump small
- 028-2102 BÜFA®-Tec SSU 20C + Pigment pump small + Diaphragm pump
- 028-2105 BÜFA®-Tec SSU 20C + Pigment pump large
- 028-2106 BÜFA®-Tec SSU 20C + Pigment pump large + Diaphragm pump
- 028-2107 BÜFA®-Tec SSU 20C + Membrane pump

Accessories:

- 029-9200 Pigment pump small
- 029-2975 Pigment pump large
- 031-1015 Aluminium diaphragm pump as feed pump
- 031-1041 Statik mixer

Technical Data

Pressure ratio resin	20:1
Pressure ratio peroxide	25:1
Max. resin pressure [bar]	120
Pump output max. at 30 double strokes/min, water [l/min]	27,6
Delivery volume per double stroke [ml]	920
Air pressure, inlet [bar]	6
Air consumption, approx [l/min]	600-3520
Peroxide content max. [%]	2
Pigment ratio [%]	2-6
Weight approx. [kg]	200
Dimensions approx. (L/W/H) [mm]	1200 x 900 x 1600
Suitable for	Moulded products



Control panel



Bonding Paste Units



BÜFA®-Tec BPU Gamma 4

This Bonding Paste Unit (Bonding Paste Unit= BPU) has been specially developed for processing Bonding Pastes from small containers (25 l Kegs) and is particularly suitable for the applied material of fibre-free and hollow ball-free products. Also available as a dosing station.

Details:

- Compact system design
- 2-component mixing head with rinsing function
- Direct removal of the Bonding Pastes from the container
- Designed to minimise leftover material in containers
- Peroxide pump with spindle mechanism and infinitely variable setting of the peroxide content
- Low detergent consumption
- We are happy to manufacture customised extensions on request

Technical Data

Pressure ratio resin	25:1
Pressure ratio peroxide	1:1
Max. resin pressure [bar]	150
Pump output max. at 30 double strokes/min, water [l/min]	1,6
Delivery volume per double stroke [ml]	78
Air pressure, inlet [bar]	6
Air consumption, approx [l/min]	250-400
Peroxide content [%]	1-3
Weight approx. [kg]	60
Dimensions approx. (L/W/H) [mm]	1000 x 900 x 1600
Suitable for	bonding paste

Item Numbers:

- 028-1130 BÜFA®-Tec Gamma 4
- 028-1133 BÜFA®-Tec BPU Gamma 4 dosing station



Peroxide pressure measurement

Bonding Paste Units



BÜFA®-Tec BPU Theta 11

This Bonding Paste Unit (Bonding Paste Unit= BPU) has been specially developed for processing Bonding Pastes from large containers (drums) and is particularly suitable for the applied material of fibre-free and hollow ball-free products. The Theta is also available as a dosing station.

Details:

- Compact system design
- 2-component mixing head with rinsing function
- Direct removal of the Bonding Pastes from the container
- Designed to minimise leftover material in containers
- Peroxide pump with spindle mechanism and with infinitely variable setting of the peroxide content
- Low detergent consumption
- We are happy to manufacture customised extensions on request

Technical Data

Pressure ratio resin	35:1
Pressure ratio peroxide	1:1
Max. resin pressure [bar]	210
Pump output max. at 30 double strokes/min, water [l/min]	11,6
Delivery volume per double stroke [ml]	580
Air pressure, inlet [bar]	6
Air consumption, approx [l/min]	2500
Peroxide content [%]	1-3
Weight approx. [kg]	500
Dimensions approx. (L/W/H) [mm]	1700 x 1700 x 2600
Suitable for	bonding paste

Item Numbers:

- 028-1102 BÜFA®-Tec BPU Theta 11 IM
- 028-1103 BÜFA®-Tec BPU Theta 11 dosing station



Hardener pump

RTM Systems



BÜFA®-Tec RTM Delta

Our advanced RTM (Resin Transfer Moulding) system is specially designed for the manufacture of high-quality fibre-reinforced plastic components. This system enables precise and efficient processing of resins to produce robust and durable components. With state-of-the-art technology and flexible customisation options, our RTM system offers optimal results for various applications and industries.

Details:

- Compact system design
- Foam resin variant available
- Simple operation
- Quick and easy maintenance
- We are happy to manufacture customised extensions on request

Technical Data

Pressure ratio resin	6,5:1
Pressure ratio peroxide	1:1
Max. resin pressure [bar]	39
Pump output max. at 30 double strokes/min, water [l/min]	3,8
Delivery volume per double stroke [ml]	126
Air pressure, inlet [bar]	6
Air consumption, approx [l/min]	500-900
Peroxide content [%]	1-3
Weight approx. [kg]	100
Dimensions approx. (L/W/H) [mm]	1000 x 800 x 2600
Suitable for	Infusion procedure

Item Numbers:

- 028-1990 BÜFA®-Tec RTM Delta EVO-Line
- 028-4475 BÜFA®-Tec RTM Delta EVO-Line Foaming Resin

Accessories:

- 029-9776 Drum trolley+ Holder for EVO-Line
- 028-2600 Flow heater set 3.2 KW
- 028-0973 Pressure & peroxide monitoring
- 028-0971 Pressure monitoring



Injection head

Hand Metering Pumps



Hand Metering Pumps

Our Hand Metering Pumps offer you a simple, uncomplicated method for dosing liquids such as resins, varnishes, Peroxides and many other pumpable media, directly from the container or storage tank. We are happy to manufacture customised configurations on request.

Product name	BÜFA®-Tec HDP 30 ml PVDF	BÜFA®-Tec HDP 100 ml PVDF	BÜFA®-Tec HDP 100 ml NV-PP	BÜFA®-Tec HDP 100 ml HV-PP	BÜFA®-Tec HDP 250 ml HV-Al	BÜFA®-Tec HDP 500 ml PP
Article no.	026-3000	026-0900	026-0600	26-0800	026-0250	026-0500
Piston stroke	30 ml	100 ml	100 ml	100 ml	250 ml	500 ml
Scale division	0.5 ml	1.0 ml	1.0 ml	1.0 ml	5.0 ml	10.0 ml
Viscosities	For low-viscosity liquids, resistant to almost all media. Developed for dosing organic Peroxides.	For low-viscosity liquids, resistant to almost all media. Developed for dosing organic Peroxides.	For low-viscosity liquids. Developed for dosing of organic Peroxides. Conditionally solvent-resistant	As item no. 026-0600, but with larger inlets and outlets. Release valves for pumping higher viscosity liquids up to 2500 mPas	For higher viscosity liquids up to 2500 mPas	For liquids with a viscosity of up to approx. 2500 mPas, z. e.g. resins, paints, limited acids
Valves	with O-ring seal	with ball seal	with ball seal	with ball seal	with ball seal	with ball seal
Materials	PVDF, PTFE, FFKM, stainless steel, glass	PVDF, PTFE, stainless steel, glass	PP, PVDF, stainless steel, glass	PP, PVDF, stainless steel, glass	Anodised aluminium, PTFE, stainless steel, glass	Anodised aluminium, PP, PTFE, stainless steel, glass
Product image						
UP-resin				X	X	X
EP resin				X	X	X
Gelcoats				X	X	X
Pigment Pastes				X	X	X
Peroxide	X	X	X			
Inhibitors	X	X			X	
Accelerator	X	X			X	
Acetone			X 20° C		X	
Styrene	X	X			X	

Hand Metering Pumps



Hand Metering Pumps

Your advantages when using the Hand Metering Pump:

- No weighing or decanting
- Increased safety and cleanliness in the workplace
- Low material losses
- No power connection required

Your advantages when using the 2-component Hand Metering Pump

- Precise resin-curing agent dosing
- Low material losses
- No weighing and decanting
- Increased safety and cleanliness in the workplace
- No power connection required

Product name	BÜFA®-Tec HDP 500 ml Al	BÜFA®-Tec HDP 1000 ml PP	BÜFA®-Tec HDP 1000 ml Al	BÜFA®-Tec HDP 2-component Hand Metering Pump	BÜFA®-Tec HDP 2-component Hand Metering Pump	BÜFA®-Tec HDP 2-component Hand Metering Pump
Article no.	026-0550	026-1000	026-1100	026-4711	026-4730	026-4740
Piston stroke	500 ml	1000 ml	1000 ml	1000 ml and 10-30 ml adjustable for Peroxide	500 ml and 80-160 ml adjustable for the curing agent	500 ml and 5-15 ml adjustable for Peroxide
Scale division	10 ml	10 ml	10 ml	10 ml	10 ml	10 ml
Viscosities	Corresponds to the 250 ml Al pump, but has a larger delivery volume	For liquids with a viscosity of up to approx. 2500 mPas, z. e.g. resins, paints, etc. The stroke is realised by rack and pinion drive	For liquids with a viscosity of up to approx. 2500 mPas, z. e.g. resins, paints, etc. The stroke is realised by rack and pinion drive	For UP-resins up to approx. 2500 mPas. These are two coupled piston pumps	For UP-resins up to approx. 2500 mPas. These are two coupled piston pumps	For UP-resins up to approx. 2500 mPas. These are two coupled piston pumps
Valves	with ball seal	with ball seal	with ball seal	Peroxide pump with O-ring seal. Resin pump with ball seal	Hardener pump with O-ring seal. Resin pump with ball seal	Peroxide pump with O-ring seal. Resin pump with ball seal
Materials	Anodised aluminium, PTFE, stainless steel, glass	Anodised aluminium, PTFE, stainless steel, glass	Anodised aluminium, PTFE, stainless steel, glass	Peroxide pump: glass, stainless steel, PVDF, PTFE, FFKM Resin pump: glass, anodised aluminium, PTFE, stainless steel	Hardener pump: Glass, stainless steel, PVDF, PTFE, FFKM Resin pump: glass, anodised aluminium, PTFE, stainless steel	Peroxide pump: Glass, stainless steel, PVDF, PTFE, FFKM Resin pump: glass, anodised aluminium, PTFE, stainless steel
Product image						
UP-resin	X	X	X	X		X
EP resin	X	X	X		X	
Gelcoats	X	X	X			
Pigment Pastes	X	X	X			
Peroxide				X	X	X
Inhibitors	X		X			
Accelerator	X		X			
Acetone	X		X			
Styrene	X		X			

Automatic Dosing Technology



BÜFA®-Tec Polybar

Proven component Metering Pump for fast, simple and reproducible dosing without scales. The resin is pumped by a double-acting and wear-free PTFE bellows pump.

Details:

- No resin leakage
- Infinitely adjustable delivery rate
- Precise and reproducible dosing
- Hardener delivery through separate outlet
- No material loss
- No weighing and decanting
- Increased safety and cleanliness
- Robust and durable

Technical Data

Pressure ratio resin	1:1
Max. resin pressure [bar]	6
Delivery volume per double stroke [ml]	100
Peroxide content [%]	1-5
Max. Delivery rate [l/min] at 30 strokes/min	3
Air consumption, approx. [l/min]	100-300



Resin pump and

Item Numbers:

- 028-1000 BÜFA®-Tec Polybar
- 028-1001 BÜFA®-Tec Polybar with stroke counter
- 028-1002 BÜFA®-Tec Polybar 1K version





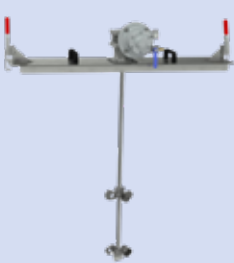


Stirring & Mixing Equipment



Stirring & Mixing Equipment

Our stirring and mixing devices create ideal processing conditions for reactive resins. Additional agitator models and special extensions – such as stirrers with integrated diaphragm pumps – are available upon request.

Agitator for IBC containers	Agitator for Kegs	Agitator for bunghole drums	Agitator for drums with lid	Bucket agitator for IBC containers
028-0273	028-0275	028-0277	028-0278	028-0270
Stirring process takes place without harmful air intake and without unwanted foaming For circulating and stirring lightly filled and unfilled laminating resins incl. container screw lid	Specially developed for Kegs This agitator ensures homogeneous stirring of Gelcoats and resins Hand-held device with sturdy handle. Fast mixing without stirring in air	Hand-held device with folding stars for stirring in closed drums Screw fastening for mounting in the bunghole 2" included	Developed for drums with lids, this agitator offers an efficient solution A crossbar is supplied for mounting above the barrel	Particularly gentle on the material and therefore also suitable for highly filled resins A traverse for mounting above the IBC container is supplied
				



Agitator for drums with lid



Agitator for bunghole drums



Bucket agitator for IBC containers



Heating Sleeves

Our heating sleeves are ideal for heating the resin to the optimum working temperature. Always ensure that material containers such as drums or Kegs are placed on an insulating base to prevent them from cooling down due to the cold ground.

Product	Heating jacket 25 l	Heating jacket 25 l	Heating jacket 200 l	Heating jacket 200 l	Heating jacket 1000 l
Article no.	031-1656	031-1552	031-1657	031-1654	031-1655
Container volume	25 l	25 l	200 l	200 l	1000 l
Performance	200 W	450 W	1000 W	2300 W	2800 W
Tension	230V - 50Hz	230V - 50Hz	230V - 50Hz	230V - 50Hz	230V - 50Hz
Dimensions L x W	845 mm x 150 mm	1020 mm x 400 mm	1770 mm x 450 mm	1950 mm x 850 mm	4400 mm x 1000 mm
Temperature range	0-90° C	0-90° C	0-90° C	0-90° C	0-90° C
Electrical connection cable	2,65 m	2,65 m	2,6 m	2,65 m	2,65 m
Closure	Straps with buckles	Straps with buckles	Straps with buckles	Straps with buckles	Straps with buckles
Product image					



Solutions for Customised Plant Engineering

Do you need a system that is customised to your requirements? Then BÜFA Tec Maschine-Technology is the right partner for you. Our engineers and technicians plan, supply and install solutions that are optimised to meet your requirements.

- Special installations
- Tanks, containers
- Stirring and dispersing technology
- Level and flow monitoring for reproducible and optimised process sequences
- Process data visualisation and its sustainable recording
- Holistic application systems

Service and Project Consulting

Every production process has different requirements and therefore also different service requirements. The type and age of the system, spraying or laminating performance or the number of trained personnel are just a few examples that can influence the scope of services. You can rely on our BÜFA Tec team to provide you with optimally customised support!

You decide which scope of service covers your current requirements and can therefore determine the service costs incurred together with us:

- Support of the system during the entire period of use
- Inspection of the systems by our service technician to maintain their value (1-2 times a year depending on operating times)
- Replacement of wearing parts (e.g. pump packings and seals) with subsequent functional check
- Optimised machine settings to reduce emissions and overspray
- Professional project advice from our engineers and technicians
- Training your employees with a focus on machine handling as well as maintenance and servicing

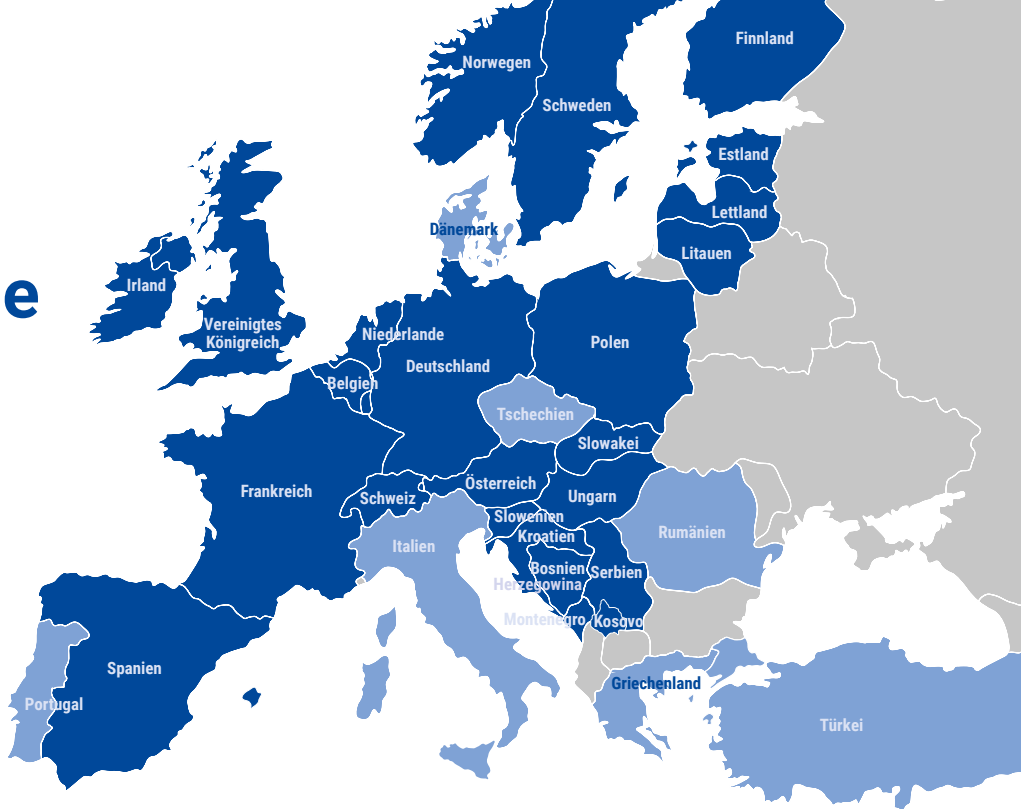
Spare Parts

Ordering spare parts is very easy at BÜFA! Just give us a call and we will send you the spare parts you require, or our service technician will install them directly at your premises.

Contact us, we will be happy to advise you!

BÜFA in Europe

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with strong partners!



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