

**EFFICIENT MACHINE TECHNOLOGY** 

# Machine Technology, Tools & Ancillaries

Composites

# BÜFA

## Gelcoat Units



## Machine Technology, Tools and Ancillaries

#### BÜFA Tec - Efficient Machine Technology

## High performance system engineering from planning to "service on demand"

The BÜFA Tec team designs and produces state-of-the-art, robust and very operator-friendly machines and equipment.

They range from hand metering pumps that have proved themselves thousands of times all the way to complex metering and mixing equipment for the most various types of applications.

They also develop very individual solutions for specialised applications in close cooperation with customers. In this case approved modular system is used that allows the resin pump to be controlled pneumatically.

Individually coordinated metering pumps make work highly efficient. Your machines and equipment are coordinated to your requirements – with the entire know-how of the BÜFA Tec Development Department.

BÜFA Tec gelcoat units and fibre spray systems are equipped with extremely stable, generously dimensioned pump units to ensure quiet operation and uniform application. For us, service is another word for comprehensive support. Training on site when new machines and equipment have been added, quick supply of spare parts, a no hassle repair service and extensive advice – that's what the competence of our BÜFA Tec employees stands for – and has for many years all over the world. Tell us your goals and we will create the prerequisites for profitable, reliable and future-oriented production.

#### **BÜFA Tec – Efficient Machine Technology**

- Gelcoat units
- Fibre spray units
- RTM units
- Bonding paste units
- Laminating roll units
- Metering devices
- Distillation units
- Stirring and mixing equipment
- Vacuum consumables
- Tools and Ancillaries
- Solutions for special systems engineering
- Service, maintenace, repair and project consulting
- Spare parts

#### BÜFA®-Tec GSU ES1 EM Product number 028-0182

The ideal gelcoat spraying unit for smaller to medium sized components approx. 1-3 m<sup>2</sup> (directly out of the container).

#### Facts

- Clearly arranged machine, easy to operate
- Proved century gun technology
  - Soft, low emission spray fan for best gelcoat air release
  - External mixing: excellent mixing of peroxide (the resin and peroxide are mixed outside)
- No need to rinse after application



Variants: 028-0184 BÜFA®-Tec ES1 EM Multicolor 028-0205 Extension pump unit ES 1



Technical data			
Output rate max., water [l/min]	1.6		
Volume of flow per double stroke [ml]	27		
Pressure ratio	33:1		
Air pressure, entrance [bar]	6		
Air consumption, approx. [I/min]	130-200		
Length of hose [m]	7.5		
Peroxide tank [I]	10		
Weight [kg]	30		
Dimensions approx. (L/W/H) [mm]	650 x 450 x 820		

## **Gelcoat** Units

## BÜFA®-Tec GSU ES1 "Easy Lift" Product number 028-0352

The ideal gelcoat spraying unit for smaller to medium sized components approx. 1-3 m<sup>2</sup> (directly out of the container).

#### Facts

- Clearly arranged machine
- Easy to operate with innovative lift technology
- Proved century gun technology
  - Soft, low emission spray fan for best gelcoat air release
  - External mixing: excellent mixing of peroxide \_ (the resin and peroxide are mixed outside)
  - No need to rinse after application \_
- With carrier for peroxide container
- High mobility of unit

#### **Technical data** Output rate max., water [l/min] 1.6 Volume of flow per double stroke [ml] 27 32:1 Pressure ratio Air pressure, entrance [bar] 6 Air consumption, approx. [l/min] 130-200 Length of hose [m] 10 Peroxide tank [I] 10 Weight [kg] 61 880 x 740 x 1550 Dimensions approx. (L/W/H) [mm]

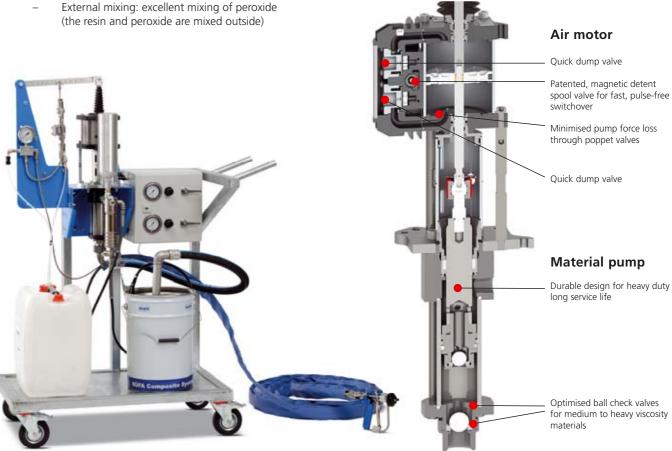
## **Gelcoat Units**

#### BÜFA®-Tec GSU Delta5.5 EM Product number 028-1701

Approved application technology for your production processes. Gelcoat application directly out of the container, for smaller to large sized components.

#### Facts

- Clearly arranged machine, easy to operate
- Innovative pump technology for resin and peroxide with outstanding mixing of the peroxide
- Reliable and durable pump unit with high output even in demanding production environments
- Clear reduction of costs since the resin is efficiently transferred to the surface of the mould (also with low air and liquid pressure)
- Century gun technology
  - Low emission and overspray \_
  - External mixing: excellent mixing of peroxide (the resin and peroxide are mixed outside)



Accessories: 028-2600 Flow heater set 3 kW, ATEX





Technical data			
Output rate at 30 cycles/min, water [l/min]	3.8		
Volume of flow per double stroke [ml]	126		
Pressure ratio	17:1		
Air pressure, entrance [bar]	6		
Air consumption, approx. [l/min]	200-500		
Length of hose [m]	10		
Weight [kg]	60		
Dimensions approx. (L/W/H) [mm]	1100 x 550 x 1500		

#### Innovative Delta pump technology

- Systems engineered for a long and reliable service life, made from modular sub-assemblies for fast re-builds and easy maintenance.
- Individual configuration of the machine is possible through the use of accessories, e.g. flow heater or peroxide flow sensors.

## Gelcoat Units



## Fibre Spray Units

#### BÜFA®-Tec Spray gun Polycon Product number 026-0300

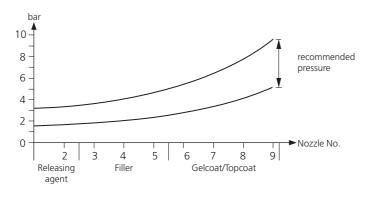
Greatest possible flexibility through nine nozzle sizes and two container sizes, making it suitable for practically all types of gelcoats with the most different viscosities.

#### Facts

- Quick colour change
- Low cost
- Easy to use
- Easy to clean and maintain
- Fast, uniform coating

# Technical dataMaterialAluminiumOutput rate max., water [l/min]3.5Air pressure, entrance [bar]3.5-7.0Air consumption, approx. [l/min]400-800Weight [kg]0.5Air connectionSingle hand coupler NW 7<br/>(filtered air)

#### Nozzle and pressure selection



#### BÜFA®-Tec FSU Delta5.5 EM Product number 028-1750

Effective fibre spraying unit for practically all components and resin systems.

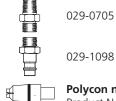
#### Facts

- Easy to operate
- Innovative pump technology for resin and peroxide
- Proved century gun technology
  - Soft, low emission spray fan
  - External mixing: excellent mixing of peroxide (the resin and peroxide are mixed outside)
- High performance BINKS Cutter, also with internal mixing gun



Accessories: 028-2600 Flow heater Set 3 kW, ATEX 028-0956 Peroxide flow sensor, electronic

## Accessories:



**Polycon nozzle set (9 nozzles)** Product No. 026-0301

Nozzle (single)		
Diameter [mm]	Polycon nozzle	Art. No.
0.8	Nr. 1	026-0341
1.6	Nr. 2	026-0342
2.4	Nr. 3	026-0343
3.2	Nr. 4	026-0344
4.0	Nr. 5	026-0345
4.8	Nr. 6	026-0346
5.6	Nr. 7	026-0347
6.4	Nr. 8	026-0348
7.2	Nr. 9	026-0349
Container		
Container size [l]		Art. No.
1.0		026-0324
2.5	026-0326	
Lid for container (I)		Art. No.
1.0		026-0327
2.5		026-0325
Bow		
Container size [l]		Art. No.
1.0		026-0310
2.5		026-0330



Technical data	i
Output rate at 30 cycles/min, water [l/min]	3.8
Volume of flow per double stroke [ml]	126
Pressure ratio	17:1
Air pressure, entrance [bar]	8
Air consumption, approx. [l/min]	400-900
Length of hose [m]	7.5
Weight [kg]	100
Dimensions approx. (L/W/H) [mm]	1000 x 800 x 2600
Boom from centre ca. [mm]	3600





Information on the air motor and the material pump is found on page 117.

Innovative Delta Pump Technology same as 028-1701 GSU Delta.

## **RTM Units**



#### BÜFA®-Tec Delta3.3 RTM Product number 028-4469

RTM unit on a Delta base, for small to large-sized components.

#### Facts

- Innovative pump technology for resin and peroxide
- Mechanically driven peroxide pump
- Internal mixing at the injection head.
- Recirculation of components
- Less solvent consumption



Technical data	1
Output rate at 30 cycles/min, water [l/min]	3.8
Volume of flow per double stroke [ml]	126
Pressure ratio	6.5:1
Air pressure, entrance [bar]	6
Air consumption, approx. [l/min]	100-200
Length of hose [m]	7.5
Weight [kg]	75
Dimensions approx. (L/W/H) [mm]	1000 x 800 x 2200
Boom from centre ca. [mm]	1800

# Air motor Quick dump valve Patented, magnetic detent spoi valve for fast, pulse-free switchover Minimised pump force loss through poppet valves Quick dump valve Material pump Durable design for heavy duty long service life

## **Bonding Paste Units**

#### BÜFA®-Tec BPU Gamma4 Product number 028-1130

This unit was especially designed for processing bonding pastes from small containers (25 I hobbocks) and is especially suitable for the application of products without fibres or hollow spheres.

#### Facts

- Compact system
- 2-component mixing head with flushing function
- The bonding paste can be taken directly from the container
- Follower plate that reduces leftovers
- Peroxide pump with spindle mechanism and with infinitely variable adjustment of the peroxide content
- Less solvent consumption



Accessories: 028-0971 BÜFA®-Tronic RTM-Pressure control, electronic 028-2600 Flowheater set 3 KW, ATEX



Technical data			
Output rate at 30 cycles/min, water [l/min]	4.6		
Volume of flow per double stroke [ml]	78		
Pressure ratio	25:1		
Air pressure, entrance [bar]	6		
Air consumption, approx. [l/min]	250-400		
Length of hose [m]	10		
Flushing agent tank [I]	10		
Weight [kg]	211		
Dimensions approx. (L/W/H) [mm]	1000 x 860 x 1500		



## Bonding Paste Units



# **Bonding Paste Units**

#### **BÜFA®-Tec BPU Theta11** Product number 028-1102

The Theta11 Bonding Paste Unit offers all the advantages of this series for daily bonding of components. Ideal for large components where reproducible component qualities and efficient use of bonding paste is required.

#### Facts

- Large pump unit
- Guaranteed high output with smooth, wear resistant pump operation
- The bonding paste can be taken directly from the drum
- Follower plate that reduces leftovers
- Peroxide pump with spindle mechanism and infinitely variable adjustment of the peroxide content
- Less solvent consumption

i
10.5
521
32:1
6
800-1200
15
19.5
350
1850 x 700 x 2600

Excellent results are achieved when working with the following BÜFA bonding pastes for high strength bonding as well as structural bonding:

		Viscosity [mPa.s]	Colour	Gel time [min]	Curing time [min]	Peroxide indicator	
Art. No.	Product name	-	opaque/	60 at		ā	4
740-0110	BÜFA®-Bonding Paste 0110	1,800,000	natural	25 °C	85		
740-0114	BÜFA®-Bonding Paste 0114	1,800,000	opaque/ natural	35	60		
740-0125	BÜFA®-Bonding Paste 0125	225,000	blue	23	50	✓	
740-0250	BÜFA®-Bonding Paste 0250	1,000,000	blue	20	37		
740-0601	BÜFA®-Bonding Paste 0601	1,100,000	blue	25	50	✓	
740-0002	BÜFA®-Fine Body Filler Spray	23,000	grey	8	16		,
740-0410	BÜFA®-Bonding Paste 0410	500,000	natural	24	42		

The recommendations presented above are a few of the possibilities for using bonding pastes. For more detailed information, please get in touch with our Technical Service Department. We'll be glad to help. Abbreviations for base resins: VE – vinyl ester, OP – orthophthalic acid, IP – isophthalic acid, THP – tetrahydrophthalic acid, NPG – neopentyl glycol, BPA – bisphenol A  $(\checkmark)$  = Please get in touch with our Technical Service Department.









## Rail Marine Automotive Other vehicles 11 11 1 1 1 1 1 11 1 1 1 1 11 1 1 1 ./ 1 1



## Laminating Roll Units



## Metering Devices

#### **BÜFA®-Tec Laminating Roll Units**

Robust, very reliable laminating roll units that can be used for medium and large-sized components.

UNI 125 Product number 028-1250

#### UNI 250 Product number 028-1275

#### Facts

- Robust and proven pump technology
- Self-adjusting resin pump gaskets
- Process reliability through built-in gel time control signal
- Optimised resin consumption stroke counter for the • prescribed resin fl ow rate
- Safety device against insufficient hardener
- Minimal solvent consumption Pulse flushing



Technical data				
	UNI 125	UNI 250		
Output rate at 30 cycles/min, water [l/min]	3	6		
Pressure ratio	17:1	9:1		
Air pressure, entrance [bar]	6	6		
Air consumption, approx. [I/min]	200-700	200-700		
Percentage of peroxide [%]	1-5	1-2.5		
Warning device: a) flexible time signal b) preselected counter	up to 99999 min. up to 99999 (double stroke lift)	up to 99999 min. up to 99999 (double stroke lift)		
Flushing agent tank [I]	19.5	19.5		
Flushing agent consumption (I / flushing operation)	< 1	< 1		
Weight [kg]	90	90		
Dimensions approx. (L/W/H) [mm]	1000 x 740 x 1780	1000 x 740 x 1780		

With the corresponding tools, the UNI 125/250 can be used as an injection, gelcoat or impregnation facility - even as a fibre spray and fan jet facility if necessary.

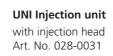
## Laminating roll with extension pipe:

18 x 100 cm Art. No. 028-0092 18 x 140 cm with pneumatic remote control Art. No. 028-0094 12 x 45 cm Art. No. 028-0039 18 x 25 cm Art. No. 028-0193





with gun Airless Art. No. 029-5387



### **BÜFA®-Tec Polybar** Product number 028-1000 Product number 028-1001 (with stroke counter)

Established 2 component metering for quick, easy and reproducable metering results without scale. The resin is conveyed by a double action, wear-free Teflon bellows pump (DBGM).

#### Facts

- No leakage of resin through worn out seals
- Infinitely variable pumping capacity
- Exact and repetitious dosing of resin and accelerator, the resin and hardener pumps are automatically pneumatically coupled
- Hardener is metered by adjustable hardener pump lift
- No loss of material
- No weighing and re-filling
- Increased safety and cleanliness at the workplace
- Robust design





Technical data				
Output rate at 30 cycles/min, water [l/min]	3			
Volume of flow per double stroke [ml]	100			
Pressure ratio	1:1			
Adjustment range peroxide [%]	1.0-5.0			
Air pressure, entrance [bar]	6			
Air consumption, approx. [I/min]	100-300			
Weight [kg]	30			
Dimensions approx. (L/W/H) [mm]	720 x 390 x 580			



# Hand Metering Pumps



# Hand Metering Pumps

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-AI	BÜFA®-Tec HDP 500 ml PP
Art. No.	026-3000	026-0900	026-0600	026-0800	026-0250	026-0500
Piston stroke	30 ml	100 ml	100 ml	100 ml	250 ml	500 ml
Scale graduation	0.5 ml	1 ml	1 ml	1 ml	5 ml	10 ml
Viscosities	For low viscosity liquids, resistant to practically all mediums. Developed for metering organic peroxides.	For low viscosity liquids, resistant to practically all mediums. Developed for metering organic peroxides.	For low viscosity liquids. Developed for metering organic peroxides. Only conditionally solvent resistant.	As Art. No. 026-0600 but with a larger intake and release valves for the conveyance of liquids with higher viscosities up to 2500 mPas.	Suitable for liquids with a higher viscosity of up to approx. 2500 mPas.	Suitable for liquids with a viscosity of up to approx. 2500 mPas, e.g. resins, varnishes, under certain conditons 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	Anodized aluminium, PTFE, stainless steel, glass	Anodized aluminium, PP, PTFE, stainless steel, glass
Product illustration						
UP resin				1	1	1
EP resin				✓	1	1
Gelcoats				✓	1	1
Pigment pastes				✓	1	
Peroxides	1	✓	$\checkmark$			
Inhibitors	$\checkmark$	$\checkmark$			✓	
Accelerators	$\checkmark$	$\checkmark$			$\checkmark$	
Acetone	$\checkmark$	$\checkmark$			$\checkmark$	
Styrene	$\checkmark$	✓			$\checkmark$	

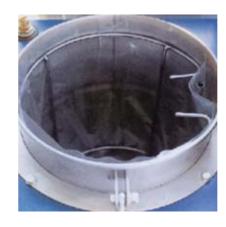
Product name	BÜFA®-Tec HDP 500 ml Al	BÜFA®-Tec HDP 1000 ml PP	BÜFA®-Tec HDP 1000 ml Al	BÜFA®-Tec HDP 2-Component Hand Metering Pump	BÜFA®-Tec HDP 2-Component Hand Metering Pump	BÜFA®-Tec HDP 2-Component Hand Metering Pump
Art. No.	026-0550	026-1000	026-1100	026-4711	026-4730	026-4740
Piston stroke	500 ml	1000 ml	1000 ml	100 ml and 10-30 ml adjustable for peroxide	500 ml and 80-160 ml adjustable for the hardener	500 ml and 5-15 ml adjustable for the peroxide
Scale graduation	10 ml	10 ml	10 ml	10 ml	10 ml	10 ml
Viscosities	Corresponds to the 250 ml aluminium pump but with larger volumetric delivery.	Suitable for liquids with a viscosity of up to approx. 2500 mPas, e. g. resins, varnishes, etcThe stroke is executed by a rack and gear drive.	Suitable for liquids with a viscosity of up to approx. 2500 mPas, e. g. resins, varnishes, etc The stroke is executed by a rack and gear drive.	For UP resins up to approx. 2500 mPas. This pump consists of two coupled piston pumps.	For EP resins up to approx. 2500 mPas. This pump consists of two coupled piston pumps.	For UP resins up to approx. 2500 mPas. This pump consists of 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	Anodized aluminium, PTFE, stainless steel, glass	Anodized aluminium, PP, PTFE, stainless steel, glass	Anodized aluminium, PTFE, stainless steel, glass	Peroxide pump: glass, stainless steel, PVDF, PTFE, FFKM Resin pump: glass, anodized aluminium, PTFE, stainless steel	Hardener pump: glass, stainless steel, PVDF, PTFE, FFKM Resin pump: glass, anodized aluminium, PTFE, stainless steel	Peroxide pump: glass, stainless steel, PVDF, PTFE, FFKM Resin pump: glass, anodized aluminium, PTFE, stainless steel
Product illustration						
UP resin	1	1	1	1		1
EP resin	$\checkmark$	1	1		$\checkmark$	
Gelcoats	1	1	1			
Pigment pastes						
Peroxides				1		1
Inhibitors	1		1			
Accelerators	1		1			
Acetone	1		1			
Styrene	1		1			



## **Distillation Units**



## Operation of the Distillation Units



#### Function:

- The stainless steel container is lined with a plastic bag.
- The soiled solvent is filled into the plastic bag.
- The recovery cycle is started.
- After the cycle has been concluded, the lid of the stainless steel container is opened. - The plastic bag along with the residue inside are taken out of the stainless steel
- notes on disposal for the product.

#### **Operation:**

It's so easy. Just start the recovery cycle - everything else runs automatically.

## Safety "Made in Germany" once but twice.

Short-term amortization: A low purchase price and low operating costs guarantee an amortisation period of 12 months when utilised to full capacity.

#### **Exemplary guarantee:** A 12 month warranty on the distillation unit.

#### Features:

- Condenser air-cooled - PTFE lid seal
- Including 50 plastic bags
- 😥 || 3 G ||B T2



e hoiling tar

Stable lid clamping

bracket









Connection hose for filling drums

Clear oil level control

Formula A			
	Units		
	Α =	Amortisatio	
	K =	Purchase p	
$A = \frac{K}{R M (2 R R R R R R R R R R R R R R R R R R $	B =	Disposal qu	
B X (0.8 x C - 0.05 + E)	C =	Disposal co	
	Ε =	Price of fre	
	***	A leftover of cents per li	

Product name	ISIDest® Distillation Unit LD 20 EX-E	ISIDest® Distillation Unit LD 30 EX-E		
Art. No.	029-1615	029-2630		
Tank filling quantity [I]	15-20	25-30		
Electric output	1.33 KW / 230 V	1.66 KW / 230 V		
Recovery / hour [I]	ca. 5.0	са. 7.0		
Working temperature [°C]	max. 200	max. 200		
Boiling range [°C]	50-160	50-160		
Dimensions (L/W/H) [mm]	940 x 505 x 1210	940 x 505 x1210		
Weight [kg]	70	85		
Identification	Ex II 3 G IIB T2	Ex II 3 G IIB T2		
Comment	Ideal unit for operations with up to 300 litres of solvent a month, including 50 high temperature resistant plastic bags	Ideal unit for operations with up to 500 litres of solvent a month, including 50 high temperature resistant plastic bags		
Accessories	Art. No. 029-1716 Plastic bag LD 20	Art. No. 029-2730 Plastic bags LD 30		
Product name	ISIDest® Distillation Unit LD 60 EX-E	ISIDest® Distillation Unit LD 120 EX-E		
Product name	ISIDest® Distillation Unit LD 60 EX-E	ISIDest® Distillation Unit LD 120 EX-E		
Product name	ISIDest® Distillation Unit LD 60 EX-E	ISIDest® Distillation Unit LD 120 EX-E		
Art. No.	029-1660	029-2953		
Art. No. Tank filling quantity [I]	029-1660 50-60	029-2953 100-120		
Art. No. Tank filling quantity [I] Electric output	029-1660 50-60 4.00 KW / 400 V / 3 ph	029-2953 100-120 6.00 KW / 400 V / 3 ph		
Art. No. Tank filling quantity [I] Electric output Recovery / hour [I]	029-1660 50-60 4.00 KW / 400 V / 3 ph max. 17.0	029-2953 100-120 6.00 KW / 400 V / 3 ph max. 21.0		
Art. No. Tank filling quantity [I] Electric output Recovery / hour [I] Working temperature [°C]	029-1660           50-60           4.00 KW / 400 V / 3 ph           max. 17.0           max. 200	029-2953 100-120 6.00 KW / 400 V / 3 ph max. 21.0 max. 200		
Art. No. Tank filling quantity [I] Electric output Recovery / hour [I] Working temperature [°C] Boiling range [°C]	029-1660           50-60           4.00 KW / 400 V / 3 ph           max. 17.0           max. 200           50-160	C29-2953 029-2953 100-120 6.00 KW / 400 V / 3 ph max. 21.0 max. 200 50-160		
Art. No. Tank filling quantity [I] Electric output Recovery / hour [I] Working temperature [°C] Boiling range [°C] Dimensions (L/W/H) [mm]	029-1660           50-60           4.00 KW / 400 V / 3 ph           max. 17.0           max. 200           50-160           1170 x 700 x 1240	C29-2953 029-2953 100-120 6.00 KW / 400 V / 3 ph max. 21.0 max. 200 50-160 1630 x 680 x 1380		
Art. No. Tank filling quantity [l] Electric output Recovery / hour [l] Working temperature [°C] Boiling range [°C] Dimensions (L/W/H) [mm] Weight [kg]	029-1660           50-60           4.00 KW / 400 V / 3 ph           max. 17.0           max. 200           50-160           1170 x 700 x 1240           120	C29-2953 C29-2953 C29-2953 C00-120 C6.00 KW / 400 V / 3 ph max. 21.0 max. 200 50-160 S0-160 1630 x 680 x 1380 180		

128 The data given above is approximate information without warranty. The latest, detailed information is found in the respectively valid Technical Information Sheet and/or the corresponding EU Safety Data Sheet which should also be observed.

The data given above is approximate information without warranty. The latest, detailed information is found in the respectively valid Technical Information Sheet and/or the corresponding EU Safety Data Sheet which should also be observed.







- The lid on the stainless steel container is closed.
- The cleaned solvent is collected in a container.
- container and brought to an appropriate recycling facility in accordance with the valid
- The stainless steel container remains clean.
- The distillation unit is ready for the next recovery cycle.

Internal safety thermostats control the temperature and the recovery cycle - and not just

Not covered: Wearing parts and materials used.

- Components that come in contact with product are made of stainless steel - Stainless steel condenser, indirectly heated with thermal oil





Integrated vapour temperature display



Welded plastic bag with clip for extreme loads and all solvents



Safety valve in th



Exchangeable boiling tank

#### Amortisation calculation for distillation units

- ion period (months)
- price (Euro)
- uantity per month (litre) according to disposal receipts
- costs per litre (Euro) according to disposal invoices
- esh solvent (Euro) per litre
- disposal of 20 % after distillation and energy costs of 5 litre were taken into account in the formula.

## Stirring and Mixing Equipment



# Solutions for special systems

nit for	Do you need a system that is especially produc			
rs "Disc"	Then BÜFA Tec machine technology is exactly right for you!			
0 5 4 2 4				

Our engineers and technicians design, deliver and install solutions that are tailor-made for your requirements.

- Special systems ٠
- Tanks, containers
- Material supply
- Stirring and dispersing technology
- Filling level and flow monitoring systems for reproducible and optimised processes
- Process data visualisation as well as long-term recording ٠
- Integral application systems •

Examples:



Plant construction and installation



Resin tank and mixer

Stirring unit for IBC containers	Stirring unit for IBC containers	Stirring unit for IBC containers	Stirring unit for open containers	Stirring unit for IBC containers	Stirring unit for IBC containers "Disc"
Art. No. 028-0145	Art. No. 028-0144	Art. No. 028-0147	Art. No. 028-0143	Art. No. 028-0173	Art. No. 029-5431
<ul> <li>Hand-held unit with a stable grip</li> <li>Fast mixing without stirring in air</li> <li>(Not illustrated) with long stirring shaft</li> <li>With low inclusion of air</li> </ul>	<ul> <li>Hand-held unit with foldable impellers for stirring in closed drums</li> </ul>	<ul> <li>Screw fastening for mounting on bunghole 2"</li> <li>Foldable impellers as for 028-0144</li> </ul>	<ul> <li>With clamping device for open containers</li> <li>For circulating and stirring filled and unfilled resin systems</li> </ul>	<ul> <li>For circulating and stirring filled and unfilled laminating resins</li> <li>Incl. container screw cap lid</li> </ul>	<ul> <li>The stirring process takes place without harmful entrainment of air and without undesired foam formation.</li> <li>Because of the large mixing circle diameter and resulting low speed, the product is gently stirred</li> <li>Container mixing tools are also available in an explosion-proof version</li> </ul>
	and and				







## ed for you and takes your needs into account?







Peroxide tank with level control

## Service and Projekt Consulting



## Spare Parts

Every production process has different requirements and therefore also different service needs.

Type and age of the system, spraying or laminating output as well as the number of trained employees are just a few examples that influence the scope of services.

You can rely on receiving support that is perfectly tailored to your needs by our BÜFA Tec team!

#### You can choose yourself!

You decide on the scope of services that will cover your present needs and together we will determine the costs that will arise for service:

- Support of the system during the entire utilisation period.
- Inspection and maintenance of the system by our service technician (depending on operating hours once or twice a year).
- Replacement of parts subject to wear (e.g. pump packings and seals) followed by a functionality check.
- Optimisation of machine settings to reduce emissions and overspray.
- Professional project consulting by our engineers and technicians.
- Training of your employees, focusing on machine handling, maintenance and repair.

Give us a call! We'd be glad to help you: Phone +49 4402 975-0



Ordering spare parts by BÜFA is very easy! All you need to do is give us a call and we will send you the desired spare part or our Service Technician will install it directly on site:

Phone +49 4402 975-0 You can also easily order spare parts directly from our **online shop at www.buefatec.de** based on an exploded drawing.



