

## **MIXPAC™ B-System**

Application System for 2-Component Products

25 mL, 50 mL and 75 mL



# MIXPAC™ B-System: Process safety, Precision, Added value

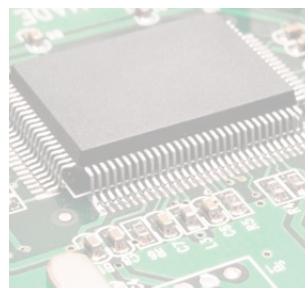
The Sulzer Mixpac B-System meets the growing demand in the industrial and trade markets for reliable, safe, easy-to-use application systems for 2-component adhesives and sealants. The B-System is offered in a wide range of ratios, to accommodate the needs of nearly every 2-component material. Cartridges are manufactured from high-quality, chemical-proof pla-

stics. The system also meets the high standards with regard to storage stability, transport safety and precise metering.

The Sulzer Mixpac B-System is the ideal multifunctional solution, offering professional quality in packaging, high precision metering, user-friendliness and easy to use, fatigue-free operation.



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# MIXPAC™ B-System: System components with a modular concept

## Cartridge

- Side-by-side cartridges, 50 mL and 75 mL
- Complete separation of components
- Available in different plastics
- Standard mixing ratios
- Can be nose or back filled
- Resealable for multiple use



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## Dispenser

- Robust, suitable for industrial use, for fatigue-free operation, suitable for permitted system pressures
- Developed for fatigue-free operation, suitable for permitted system pressures
- Can be easily converted to different mixing ratios
- Safe operation



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## Double syringe

- 2-component double syringe
- 25 mL volume
- 1:1 mixing ratio
- Available in PP and PA plastics
- Custom configuration available
- Multiple colors offered as standard



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## Static mixers

- Helix and QUADRO™ technology
- Coded interface
- The right mixer for all applications and all adhesives
- Easy attachment
- Absolutely leak-proof connection

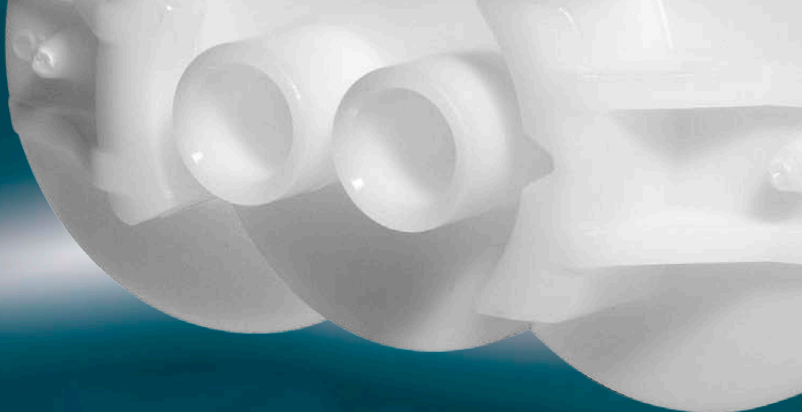


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Type	Cartridge materials	Mixing ratios	Mixer technology	Dispensers
25	PP, PA6	1:1	Helix and QUADRO™	-
50	PP, PA6, PBT	3.2, 4.2, 5.4, 6.5, 7.5	Helix and QUADRO™	Manual
75	PBT	10:1	Helix and QUADRO™	Manual



## MIXPAC™ B-System: Cartridges

The side-by-side B-System cartridge is an ideal solution to meet rigorous demands of a variety of 2-component adhesives. It serves as both primary packaging and as a precise metering system. The standard mixing ratios correspond to most of the standard, 2-component formulations used in industry. The B-System meets the requirements of UN packaging standards.



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- **Cartridge materials PP, PA6 and PBT**

- Excellent chemical stability
- Excellent storage stability

- **Patented locking system** (separate component outlets adapted to volume flow)

- Resealable at any time
- Prevention of gradual hardening at the outlet

- **Robust design**

- High pressure resistance
- High dispensing performance
- Prevents blow-by
- Guarantees highly accurate metering
- Meets requirements of UN packaging standards
- Increased storage stability

- **Patented Interface / Separate outlets**

- No cross-contamination at outlet
- High metering precision
- Absolutely leak-proof connection to mixer
- High process safety
- Helps avoid use of incompatible mixers
- Prevents cross-contamination
- Environmentally friendly due to maximum yield and minimum dead volume

Filling volume	Color	Polypropylene (PP)	Polyamide (PA 6)	Polyester (PBT)
25 mL	neutral, white	1:1	1:1	-
50 mL	neutral, white	1:1, 2:1, 4:1, 10:1	1:1, 2:1	4:1, 10:1
75 mL	neutral	-	-	10:1

## Outlet

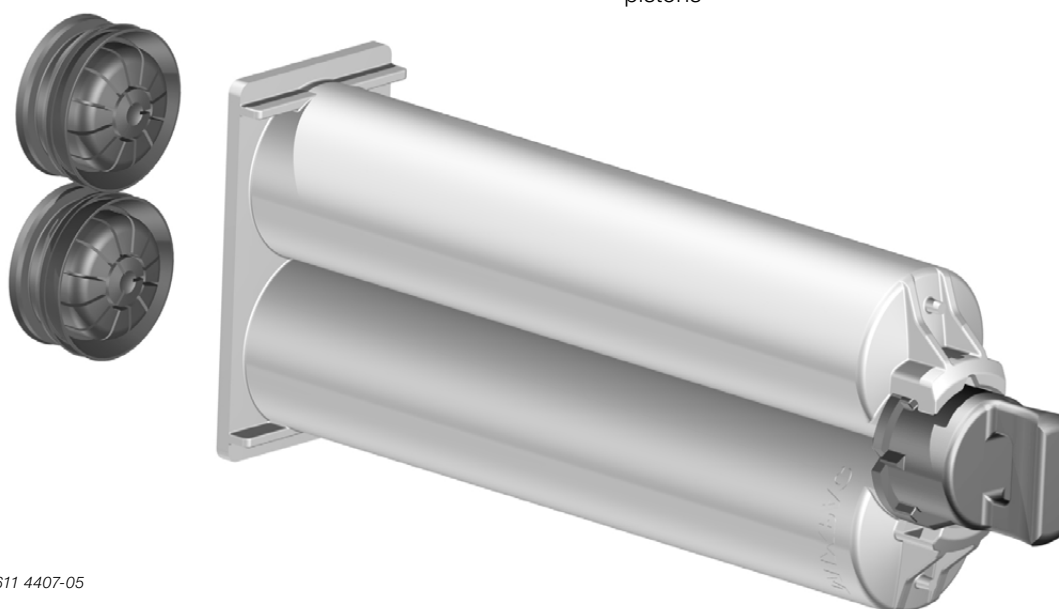
The B-System cartridge outlet has a coded closure cap. The cartridge can be opened effortlessly thanks to the coded interface, and can be tightened until leak-proof after every use.

- Patented coding
  - No incorrect attachment of closure cap
  - No undesirable cross-contamination

## Pistons

In order to fulfill the requirements for leakproofness, chemical stability, pressure resistance as well as mechanical strength, several different piston designs are available for the B-System.

- Self-venting pistons
- Double lip or O-ring seal pistons
  - For low-viscosity components
- Solid pistons
  - For front filling
- Pistons available in different materials
- Integrated piston retaining safety device for inserted pistons



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The B-System cartridges and the corresponding accessories are available in kit form. The closure cap is pre-assembled as standard, and the pistons are shipped in separate bags in the same box.



## MIXPAC™ B-System: Dispenser (50 mL and 75 mL)

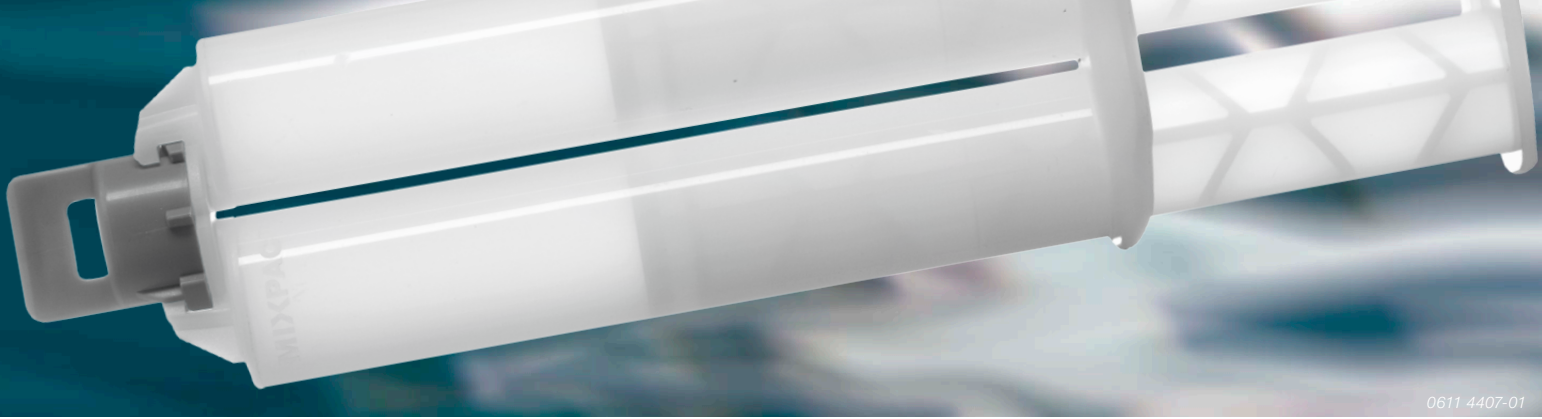
The dispenser is extremely important to the adhesive dispensing process. A 2-component adhesive can only reach its full potential if constant metering of the correct ratio is ensured. The dispenser is a precision tool that is suited for industrial use and very user-friendly.

The B-System's dispenser can be easily converted to different mixing ratios (by changing the plunger).

### Features

- Consistent and precise metering
  - Integrated pressure release, no dripping
- Suited for industrial use
  - Housing made from impact-resistant plastic
- User-friendly
  - Highly ergonomic design
  - Balanced and light-weight
  - Integrated pressure release





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## MIXPAC™ B-System: Double syringe

2-component double syringe  
25 mL volume



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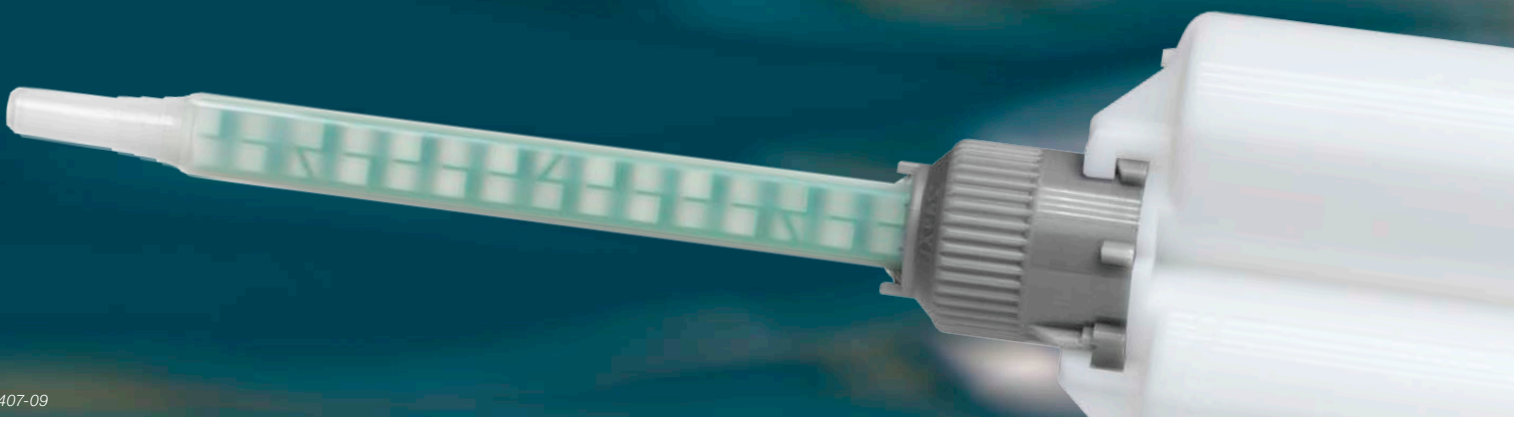
### Product range:

The B-system 25 mL double syringe has a mixing ratio of 1:1. It is the ideal dispensing system for many 2-component materials in the industrial sector. The ergonomic design of the double syringe facilitates simple and flexible handling. The patented interface and compatible closure cap guarantee airtight closure of

the cartridge and prevent undesirable cross-contamination. This ensures clean and safe storage of the 2-component material.

For further information on the different models, please refer to the relevant data sheets on our homepage at [www.sulzerchemtech.com](http://www.sulzerchemtech.com), or contact us directly.

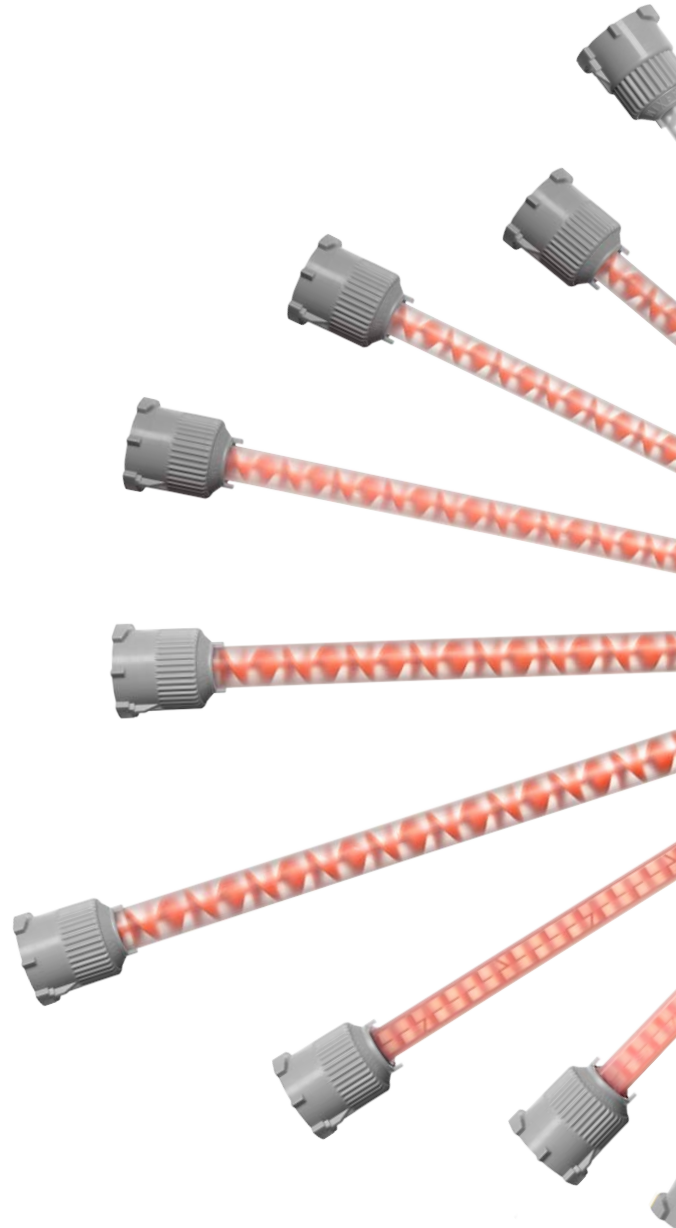
Product advantages	Customer benefits
Patented closure	Mixer can be assembled quickly Safe and easy to use Safe and clean storage
Rigid design	Precise metering – accurate application/ergonomic High leakproofness and long-term stability
Individual configuration	Supports branding
Wide range of mixers	Optimal mixer for every application Excellent mixing performance Minimal loss of pressure Minimal waste volume



## MIXPAC™ and QUADRO™ Mixers

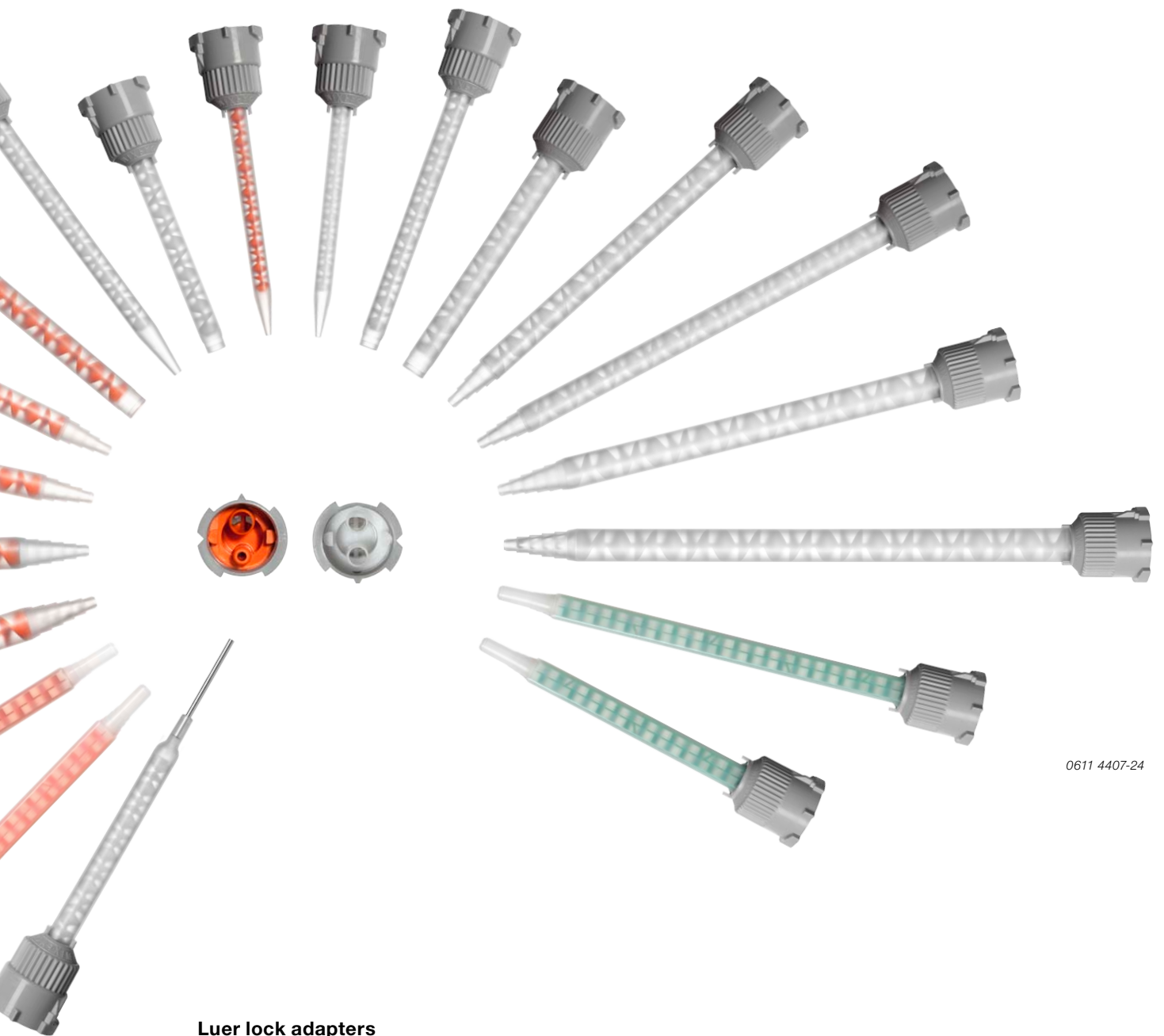
If your adhesive is to achieve the desired performance, the mix must be just right. By deciding to choose and use Sulzer Mixpac mixers with the coded interface, you are ensuring that the mix will be perfect. Every 2-component adhesive has product-specific properties which have to be taken into account, especially during the mixing process. A finely tuned mixer program is available for the B-System that fulfills a wide range of requirements.

- Different mixer sizes
- Different mixing geometries
  - QUADRO™ or Helix technology (MIXPAC™)
- Interface is adjusted to the compound flow rate
  - Optimal mixing ratio: 4:1 and 10:1
- Mixers are differentiated using color codes:
  - Orange interface (4:1 and 10:1)
  - White interface (1:1 and 2:1)
  - Prevents use of incorrect mixer



Mixer	Diameter or inner side length in mm	Number of mixer elements	Mixing ratio suitability
QUADRO™	5.3	16 and 24	1:1 2:1 4:1 10:1
MIXPAC™	3.2, 4.2, 5.4, 6.5, 7.5	6, 8, 12 and 16	1:1 2:1 4:1 10:1







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**Luer lock adapters**



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## MIXPAC™ B-System

	Product advantages	Customer benefits
 	Modular concept	<ul style="list-style-type: none"> <li>A complete solution from a single source</li> <li>A concept tailored to each application</li> <li>A controlled, reproducible adhesive process with increased process safety and control</li> </ul>
	Coded interface / separate outlets	<ul style="list-style-type: none"> <li>Damage-proof primary packaging</li> <li>High degree of transport safety</li> <li>Precise volume metering process</li> <li>Prevents material loss or chemical reaction</li> <li>High storage stability</li> <li>Component compatibility guaranteed</li> <li>Increased process safety</li> </ul>
	Wide range of cartridge materials	<ul style="list-style-type: none"> <li>High chemical stability</li> <li>High storage stability</li> </ul>
	Robust industrial design	<ul style="list-style-type: none"> <li>Excellent transport protection</li> <li>High pressure resistance</li> <li>Increased metering precision</li> <li>High user protection</li> <li>Value-added product</li> </ul>
	Different mixing geometries	<ul style="list-style-type: none"> <li>Optimal mixer selection</li> <li>Wide range of application</li> <li>Minimum pressure loss</li> <li>Suitable geometry for all viscosities</li> <li>Optimal mixer size for every application</li> <li>Minimal dead volume</li> </ul>
	Dispensers suited for industrial use	<ul style="list-style-type: none"> <li>Efficient dispensing of cartridges</li> <li>Universal system compatibility</li> <li>Wide range of pressure</li> <li>Precise metering without dripping</li> <li>Safe operation</li> <li>Ergonomic design for fatigue-free work</li> <li>Robust and suited for industrial use</li> </ul>
	Double syringe 25 mL	<ul style="list-style-type: none"> <li>No dispenser required</li> <li>Ready for immediate use</li> <li>No additional dispenser</li> <li>Also suitable for low to medium viscosity 2-K materials</li> </ul>



## Details

**Headquarters**

Sulzer Mixpac Ltd  
Ruetistrasse 7  
9469 Haag, Switzerland  
phone +41 81 772 20 00  
fax +41 81 772 20 01  
mixpac@sulzer.com  
www.sulzerchemtech.com

**USA, South America,  
Canada and Mexico**

Sulzer Mixpac USA Inc.  
8 Willow St.  
Salem, NH 03079, USA  
phone +1 603 893 27 27  
fax +1 603 893 37 37  
info@SulzerMixpacUSA.com  
www.sulzerchemtech.com

**UK and Ireland**

Sulzer Mixpac UK  
Henson Way  
Kettering, Northants NN168PX, UK  
phone +44 1536 31 29 90  
fax +44 1536 31 29 85  
mixpac@sulzer.com  
www.sulzerchemtech.com

**Asia Pacific**

Sulzer Mixpac China  
68 Bei Dou Lu, Minhang  
Shanghai 200245, China  
phone +86 21 6430 68 68  
fax +86 21 6430 66 88  
mixpac@sulzer.com  
www.sulzerchemtech.com

Presented by:

