



MiXpoint_1 for two-component fluids

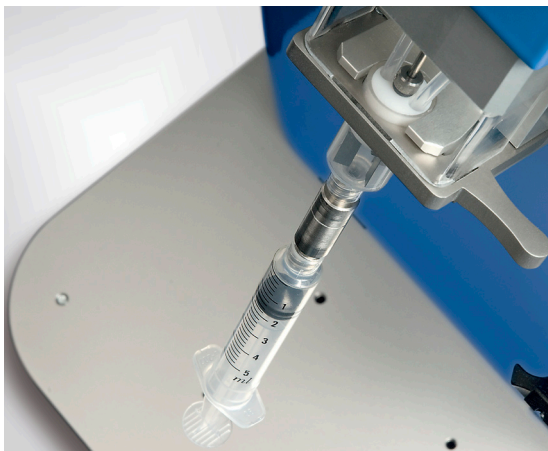
Mixpoint_1 is a high precision mixing device for two-component fluids (mostly adhesives), made in Switzerland. It is ideal for mixing small and very small quantities in just a few seconds. By pushing a single button, the perfectly mixed material flows in the desired quantity out of the nozzle.

Mixpoint_1 is mostly used in the medical, automotive, watchmaking, electronic and microcomponent industries. When two-component fluids have to be prepared for manual dispensing processes such as filling syringes, cartridges or other containers, Mixpoint_1 is the perfect solution. It is also ideal for direct manual filling of components.



Calibrated Ratioblock

Mixpoint_1 is a low pressure system that exposes the fluids to very small forces. The fluids are supplied by cartridges or, if various workplaces are equipped with a Mixpoint_1, by a central container. Each component is dispensed by a high accuracy volumetric dispenser. As the two dispensers are synchronized together, the mixing ratio is very precise too. The dispensing units are calibrated to a specific mixing ratio. If another mixing ratio is needed, the customer has just to order a corresponding calibrated Ratioblock. The Ratioblock changeover is carried out directly by the customer within a very short time.



Patented D-Mixer

During the volumetric dispensing operation, the fluids are mixed in the patented dynamic D-Mixer. The speed of the D-Mixer is variable and can be adapted to the fluid and the application. To prevent curing of the adhesives in the D-Mixer, it can be purged with just one adhesive component by pushing a single button. Thanks to this purging, the D-Mixer can be left for several days without cleaning, with most of the two-component adhesives. The D-Mixer is removable and can be dismantled for cleaning without any tools, even if it is designed as a consumable. It is up to the customer to decide whether to regularly change or to clean the D-Mixer.

Contact in Switzerland:

mixpoint@mta.ch
T +41 (0)32 338 82 82

Contact in USA:

mixpoint@mta.ch
T +1 860 399 1141

Mixpoint_1 is also available as a programmable unit, with automatic purging and with many other features like degazing functions. The same dispensing and mixing units are also offered in a wide range of full automatic dispensing robots. Please contact us for more information; we will be pleased to adapt our devices to your specific needs.

Technical characteristics

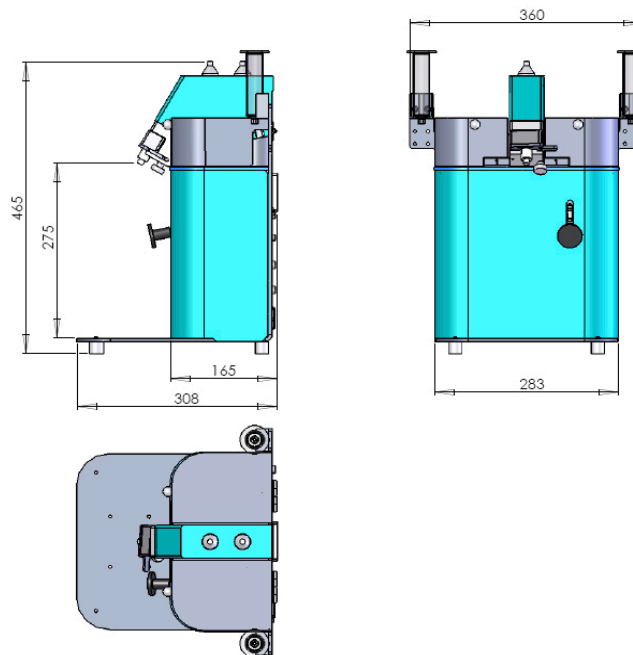
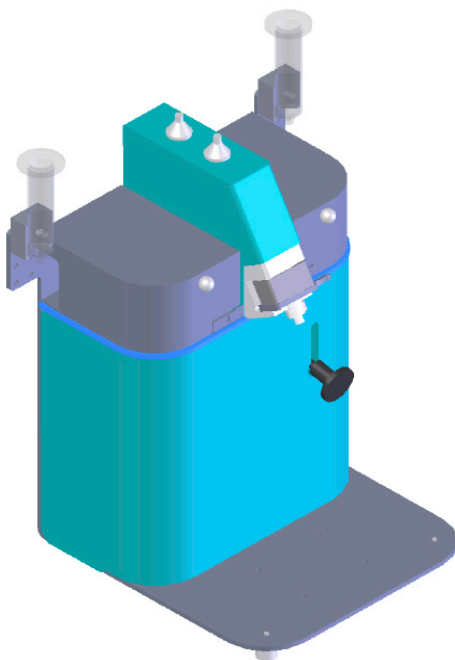
Electrical supply	230V - max. 0.2A / 115V max. 0.3A / With country conformal plug
Pneumatic supply	Not needed. Option for 24V output for electro-pneumatic valve
Mixing tolerance ¹	Under 1%
Minimum mixing quantity ²	5mm ³ (5µl) to 200mm ³ (0.2ml)
Flow ²	Continuously variable, max. 60'000 mm ³ /min (60ml/min)
Viscosity range of fluids	Liquid to highly viscous
Mixing ratios	From 1:1 bis 20:1 customer specific
Available D-Mixer volumes	200mm ³ , 600mm ³ , 1'500mm ³ , 2'300mm ³
Activation of Mixpoint_1	By foot or hand switch
Adapter of D-Mixer	Luer Lock male
Adapter of dispensing pumps	Tubes with external diameter of ø3...4mm
Cartridge holder	For all sizes of Euro, Semco, EFD cartridges, customer specific holders
Variants for pressurizing the cartridges	Without pressure (just gravity) With pneumatic pressure Mechanically, with pneumatic cylinder Mechanically, with spring loaded system

¹ Volumetric mixing ratio. It is valid for most fluids and most mixing ratios.

² Depending on the mixing ratio and the configuration of Mixpoint_1. Will be defined upon order.



MiXpoint_I footprint



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Adhesives and fluids from the following suppliers are successfully dispensed in industrial conditions:

Henkel, Loctite, Peters, Nusil, Emerson&Cuming, Scotch, 3M, Delo, Dow Corning, Wacker, Dexter, Du Pont, Sika, Rampf, Epotek. Wevo, Asulab, Gore, Huntsman, and many others.