



Hot Melt Jetting Heads SX LongLife

NEW

durable | precise | flexible



SX LongLife



For a durable and precise adhesive application

The **SX LongLife** jetting head is suitable for non-contact applications of low to medium viscosity thermoplastic adhesives. The durable application head can be used flexibly and is characterised by its small installation dimensions as well as the precise adhesive application with perfect cut-off behavior.

Durable, reliable and precise

The double acting, electro-pneumatic jetting head ensures a precise and consistent adhesive application by a solenoid valve. Furthermore, with the special developed jetting element and sturdy solenoid valve it is particularly durable and achieves up to 200 million operating cycles. Thanks to the integrated filter in the heating part, blockages of the nozzle are avoided and nozzle damages as well as thermal loss are minimized by a nozzle protection cover. As a result, a cleaner cut-off can be achieved and system interruptions reduced.

Increased safety and sustainability

The CoolTouch insulation of the Diamond Series significantly improves operational safety. Less heat is radiated into the environment because of the insulation, which protects the operator and product to be glued. The heat resistant insulation also guarantees a resource-friendly and sustainable production due to the significant reduction of energy and adhesive consumption. Furthermore, the hot melt will not cool down on

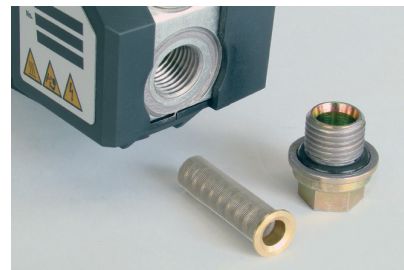
its way from the melter to the nozzle and is protected from draft in fast running machines.

Modularity und compatibility

Thanks to the modular approach **SX LongLife** can be used in different designs with selectable jetting elements and nozzles. This makes it possible to precisely adjust the application head for customer-specific production requirements. As part of the Diamond Series the jetting heads are compatible with most Robatech application systems. This clearly simplifies the integration into already existing plants and reduces spare parts costs.

Your benefit

- Durable and sustainable thanks to 200 million operating cycles
- Precise adhesive application with perfect cut-off behavior
- Flexible thanks to modular selectable jetting elements
- Reduced energy and adhesive consumption
- Increased operator and product safety by CoolTouch insulation
- Consistent temperature for highest adhesive quality
- No nozzle blockages thanks to the filter in the heating part



Technical Data

Temperature range	20 to 200 °C
Glue pressure	Max. 75 bar
Adhesive	Thermoplastic adhesives
Adhesive viscosity	500 to 5'000 mPas
Operating cycles	200 million operating cycles* (296 / KV) 100 million operating cycles* (NV)
Switching frequency	120 Hz*
Adhesive outlet	5 ms**
Jetting element width	18 mm
Nozzles	296 / 294 / KV / NV / NV long
Compressed air pressure	6 bar, cleaned and not oiled
Operating voltage	230 VAC (EN60204), 50/60 Hz
Connection solenoid valve	24 VDC / 8 W
Mounting	For shaft ø 12 mm, flat bar or thread M5
Sound pressure level	Approx. 60 bis 70 dB(A)
Degree of protection	IP42 (IP55, optional)

* Depending on adhesive, viscosity, temperature, frequency, pressure, air quality and stroke jetting element. Continuous operating max. 50 Hz
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