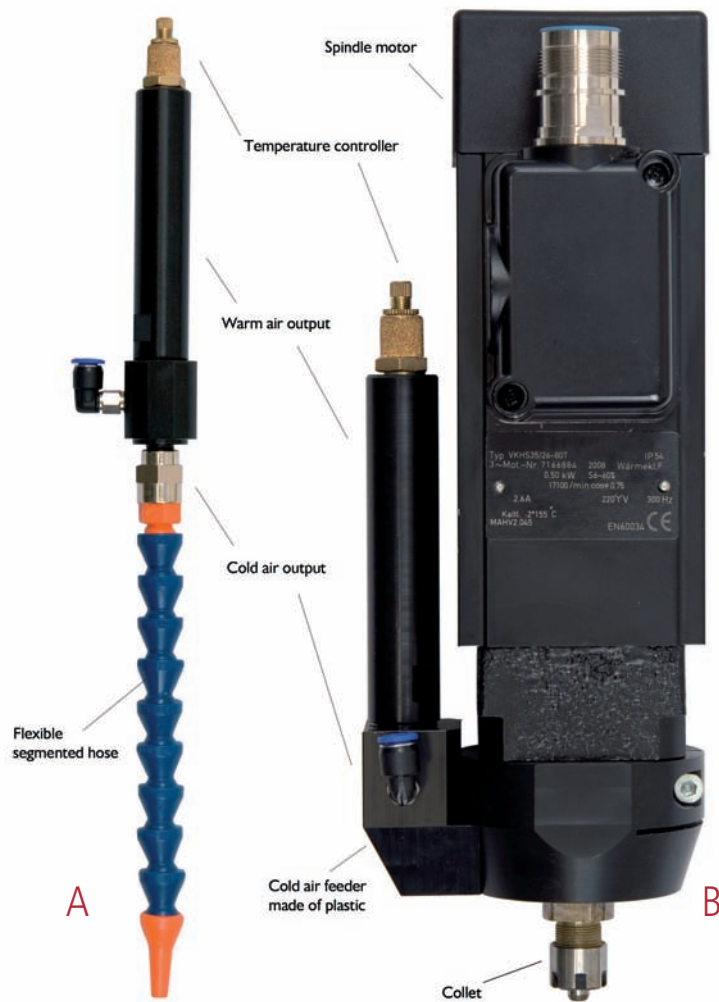


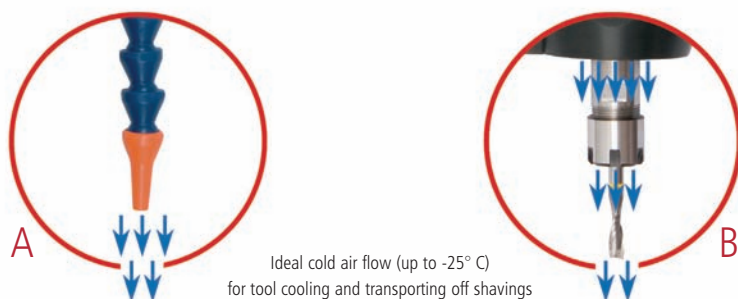
# COOLMin

## Function principle



CoolMin external  
with hose  
Item **239011 0119**

CoolMin internal



Ideal cold air flow (up to -25°C)  
for tool cooling and transporting off shavings

## Tool and material cooling

Dry machining is nowadays for many milling tasks the selection of choice. Up to now, material, tool wear and tear and finish quality offer forced cooling with respective coolants/ lubricants.

This always means more humidity. Even spray cooling with minimum amounts leads to unintended side effects such as fouling, adhering of the shavings to the tool or surface and depending on material also effect on the material structure.

With the patented cooling method introduced here, the very good cooling of tools and surfaces make side effects a problem of the past.

The shavings are dry and depending on the material, easy to extract or blow off.

The surface is preserved and through the direct tool cooling (also appropriate for tools with inside cooling) long periods of tool use is obtained.

Basis of the cooling method is a cold air nozzle that operates on the whirlpool principle and separates the air flow in warm and cold air.

To operate the system only pressurized air (6 to 10 bar) is required.

## Technical specifications:

- Pressurized inlet: 6-10 bar
- Cool air outlet: of up to -25 °C
- Warm air outlet: up to max. 70 °C
- Air use approx. 150 l/min
- Special maintenance unit with 1µm filter
- Maintenance free cold air nozzle