



ZETA AGITherma

ZETA AGITherma FOR BOTTOM-MOUNTED MAGNETIC AGITATORS

Safe and controlled installation and removal of slide bushings

The new maintenance tool AGITherma makes changing the bushings of ZETA magnetic agitators easier and highly efficient. The heating area is enclosed, which means better protection for employees because the risk of burns is virtually eliminated for the operator. With AGITherma a controlled and defined process of installing the slide bushings of agitator heads is now possible for the first time. The system prevents damage caused by overheating of the permanent magnets of the agitator head and reduced efficiency due to loss of momentum. Plus: the process-controlled heating system reduces the risk of breakage to a minimum when replacing the bushings.

Function:

AGITherma heats up the hub of the agitator head when the slide bushing is installed or removed. The heating adapter is mounted on the agitator head and operated via the control unit (temperature controller). Once the temperature hold time – which is agitator-specific – has been reached, the bushing drops on the fire-proof surface and cools down. Cooling of the heating adapter is also controlled via the temperature gauge, and it can be removed from the agitator head once room temperature has been reached.

Removing the bushing with AGITherma



Operating conditions and technical data:

TAG Nr. AGI0001

Maximum ambient temperature	40 °C
Electrical power	0,69 kVA
Power supply [V]	230 VAC
IP code, controller	IP 66
Protective measure	TN-System (operate only in combination with an upstream 30mA residual-current circuit breaker)
Corrosion protection	Paint RAL 5005 Blau
Compliance with directives	EMC Directive 2014/30/EU, Low Voltage Directive 2014/35/EU



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Technical set-up and components

- 1 Connecting cable for control unit 230 VAC
- 2 Control unit
- 3 Main switch (ON / OFF)
- 4 Heating switch (OFF / ON / START)
- 5 Temperature controller
- 6 Plug of heating cable
- 7 Heating cable
- 8 Heating adapter

HEATING TEMPERATURE

Agitator type	Heating temperature setting °C
BMRT/BMR 30 / 35 / 50	200
BMRT/BMR 75 / 80 / 100 / 125	200
BMRT/BMR 300 / 400 / 550 / 800	200
BMRT/BMR 850 / 1200 / 1300 / 2500 / 2600 / 4000 / 5000	250
BMRT/BMR 7500 / 10000 / 13000 / 17000 / 20000 / 21000	250