

Next-Generation Flash Point Testing: Tagliabue Closed-Cup Flash Point Tester Series

TAG 500 and TAG 300



The TAG series is a first-class solution for automatic, high-precision Tagliabue flash point testing of samples like jet fuels, solvents, and flavors and fragrances.

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With the Tagliabue closed-cup flash point tester series, TAG 500 and TAG 300, you can easily determine the flash point according to all relevant standards. Innovative cooling options enable flash point testing across a sample temperature range from -35 °C to 130 °C. Both TAG flash point testers offer excellent heating control and a full feature set for accurate flash point results. The pioneering instrument design saves costs: The electric igniter has the longest lifetime on the market and delivers unparalleled sample throughput thanks to short maintenance cycles and simple cleaning. Also, TAG 500 is one of the safest Tagliabue flash point testers available.

Full compliance

ASTM D56, ASTM D3934, ASTM D3941, EN 924, ISO 1516, ISO 1523, IP 491, IP 492, and more.

Highlights

- Electric igniter with patented design and ceramic coatings: 10x longer lifetime outlasts any comparable device
- Unparalleled two-in-one instrument combination (operable with and without external chiller) for top flexibility and the widest sample spectrum: -35 °C to +130 °C sample temperature
- Most powerful features compared to competition: disassembly of wetted parts within seconds and easy cleaning for zero sample carry-over
- Status light for intelligent instrument feedback to ensure efficient work in the lab
- Maximum safety for operator and lab: fail-safe fire detection system, combined with fire extinguisher
- Connectivity for increased productivity in the lab and improved data quality: Anton Paar's fully implemented lab execution software, AP Connect, automated email or LIMS export, and more

	TAG 300	TAG 500
	↓	↓
Application range (flash point temperature)	10 °C to 110 °C	Internal cooling 10 °C to 130 °C External cooling -30 °C to +130 °C
Sample temperature range	-7 °C to +110 °C	Internal cooling -7 °C to +130 °C External cooling -35 °C to +130 °C
Ignition type	Electric (encapsulated hot wire)	Electric (encapsulated hot wire) Optional gas ignition
Cooling	Fan-supported internal Peltier cooling technology	Fan-supported internal Peltier cooling technology or external cooler
Barometric pressure correction	Flash point is automatically corrected to barometric pressure	
Flash detection	Automatic detection by thermocouple	
Sample temperature	Automatic by Pt100	
Safety	<ul style="list-style-type: none"> - Optional automatic fire-extinguishing system in combination with a unique optical fire detection system - Overheat protection, automatic shut-off Detects a "flash" outside the cup - User management with different access levels 	<ul style="list-style-type: none"> - Integrated automatic fire-extinguishing system in combination with a unique optical fire detection system - Overheat protection, automatic shut-off Detects a "flash" outside the cup - User management with different access levels
Calibration	Calibration of sample and block temperature, and internal barometer	
Memory	1 GB space for approx. 50,000 tests and 1,000 users	
Interfaces	2 × USB, 1 × LAN	4 × USB, 1 × LAN
Power supply	100 V to 240 V, 50/60 Hz, 300 W	
Gas supply	Optional fire extinguisher: CO ₂ or N ₂ inert gas; inlet pressure 400 kPa to 500 kPa	Integrated fire extinguisher: CO ₂ or N ₂ inert gas; inlet pressure 400 kPa to 500 kPa Optional gas ignition: 50 mbar of propane or butane
Dimensions	262 mm × 472 mm × 437 mm (W × D × H)	262 mm × 497 mm × 477 mm (W × D × H)
Weight	Ca. 14 kg	Ca. 15 kg