



ACADEMY

english



SERVICE



TECHNOALPIN®





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The TechnoAlpin ACADEMY is renowned for its top-tier training in the operation and maintenance of snow guns, valves, machine rooms and control systems. Our hands-on training program shares practical expertise to help identify and resolve technical problems before they escalate, maximizing operational performance.

In our commitment to providing first-class training to customers worldwide, we have expanded our program to include the following formats:

ACADEMY | CLASSROOM

ACADEMY | ON TOUR

ACADEMY | ONLINE



4,8 out of 5

Average training rating in 2024

service.technoalpin.com



1 ACADEMY | CLASSROOM

We offer a broad range of in-person courses at our Bolzano (IT), Lyon (FR), and Schattdorf (CH) locations, with cost-effective, per-attendee pricing.

Our modern training facilities create the ideal setting for practical, experience-based instruction:

- › The latest snow guns, valves, and numerous cutaway models are available for demonstration and hands-on learning
- › Tablets for software training
- › Fully equipped facility room for machine room training in Bolzano

Our highly skilled trainers work directly with attendees, presenting training content in an engaging and easy-to-understand way.



Overview of the various modules:

Control system and data transfer

- › MODULE **ATASSpro ADVANCED**
- › MODULE **ATASSpro BASICS & DATA LINE**
- › MODULE **ATASSpro CENTRAL LOGIC**

Fan guns

- › MODULE **TR & TT SERIES**
- › MODULE **FAN GUNS & HYDROMATS**
- › MODULE **OLDIES BUT GOLDIES**

Lances

- › MODULE **LANCES & VALVES**

Machine rooms

- › MODULE **MECHANICS IN MACHINE ROOMS**
- › MODULE **ELECTRICS IN MACHINE ROOMS**

Multi-day training courses for beginners and advanced learners

- › MODULE **BASICS OF TECHNICAL SNOWMAKING**
- › MODULE **ELECTRICS IN SNOW PRODUCERS**

Additional training

- › MODULE **MAINTENANCE**
- › MODULE **ALPINAL® PIPE LAYING**
- › MODULE **SNOW SCIENCE & SLOPE GROOMING**
- › MODULE **SUSTAINABLE SNOWMAKING**

You can sign up for the various courses at your convenience through the TechnoAlpin service portal at <https://service.technoalpin.com/academy>

The exact training content, dates, prices and current availability of the individual courses can also be found here.

Since September 2021, the TechnoAlpin Academy has been officially certified to design and deliver training courses on corporate products and applications in accordance with ISO9001:2015 – Sector IAF 37 – Education and Training.



2 ACADEMY | ON TOUR

As **ACADEMY | ON TOUR**, we also offer exclusive on-site training.

We can work with you to develop a tailored program more closely suited to your needs.

Equipped with the tried and tested Academy Demo Cases, our expert trainers will then travel to your premises to support your snowmaking personnel.

Feel free to contact us at academy@technoalpin.com. We will create a customized training program for your specific needs.



ACADEMY | ON TOUR

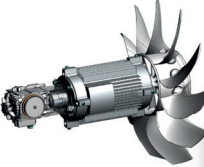


The new **ACADEMY | ONLINE** learning portal with web-based training now means you can learn anytime, anywhere and at your own pace. The content is available in German, Italian, English and French.

E-LEARNING MODULE

Our didactically designed e-learning modules include

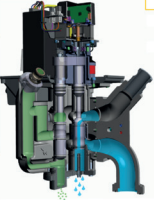
- › Detailed insights into the components of snow guns and valves, enhanced with clear graphics and straightforward animations
- › Detailed technical information and explanations
- › Interactive, multimedia content
- › Step-by-step instructions, accessible in video format at any time
- › Digital final tests



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The asynchronous motor drives both the fan and the compressor at the same time, increasing efficiency.
As a result, the supplementary electric motor for the compressor is no longer required.
The rotational speed of the asynchronous motor is 1500 rpm, the nominal voltage is 400V / 50Hz.
Because the motor is fixed inside the turbine pipe, the snow producer is less susceptible to vibrations.
The new mechanical structure has further minimized vibrations.

Turbine & Compressor - Slide 4/7
Turbine



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Air closed	
Discharge open	
Air open	Water closed
Discharge open	Discharge open
	Water open
	Discharge closed

Open Close

Opening/closing procedure YB - Slide 4/5
Opening & Closing

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- 1) Switchable nozzle Quadrijet 10 50°
- 2) Fixed water nozzle Quadrijet 5.0 50°
- 3) Nozzle valves with nucleator

Piston stroke
[mm] | [inch]

0	0
7.5	0.3

DIGITAL FINAL TESTS

Digital tests at the end of each e-learning module allow not only to validate the acquired knowledge and identify any gaps, they also help in the long-term retention of the material.

Frage: 295

Assign the devices correctly!

Please match the elements with the right targets:



Frage: 602

Please fill in the gap with the correct number.

The default password to unlock the HMI is:

Frage: 201

What is the correct stop sequence of a TR8 fan gun in automatic mode?

Please arrange the elements in the right order starting at the top. Move them with your mouse or use the arrows.

Heating OFF

Hydromat Close

Valves OPEN

Turbine & Compressor OFF

NUMEROUS MAINTENANCE AND TUTORIAL VIDEOS

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VAR (3)

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Assembly NOVO-SIT

Multimedia file



Assembly TIS-K

Multimedia file



ATASSpro | Analysis Desktop

Multimedia file



ATASSpro | MobileAPP

Multimedia file



ATASSpro | Production Forecast Desktop

Multimedia file



ATASSpro | Production Forecast MobileAPP

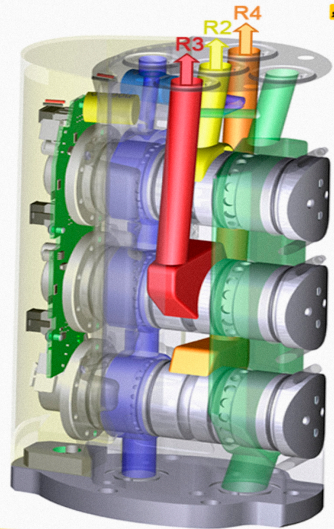
Multimedia file

Fixed steps:

Inside the distributor are the two main channels that direct water and air to the fixed steps ring R1 and nucleator ring (N).

Adjustable steps:

In each distributor block, water is taken from the main channel by means of a water insert and a piston (each piston is driven by its own motor) and directed to the various adjustable rings (R2, R3, R4) via further channels.





**SETTING
THE STANDARDS**

TechnoAlpin ACADEMY

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