



AT

Advanced Technology

**Municipal firefighting and rescue vehicles
up to 20 tons.**

The ultimate choice.

 **rosenbauer**

Advanced technology. Maximum versatility.

Rosenbauer AT: the all-rounder

AT stands for Advanced Technology and represents the most advanced fire-fighting and rescue vehicle designs in the world. The basis is a space-saving, self-supporting structure made of sandwich-aluminum parts. This provides maximum space for both the crew and the equipment. The concept is also highly adaptable, which means the AT always offers what is needed.



Body on different chassis

AT vehicles can be built on different chassis from various European chassis manufacturers.



Advanced Technology

Water tank sizes from
1,000 to 5,500 liters

Optimal
loading concept

Excellent
handling thanks to
intelligent design and
low center of gravity

Short
overhang

Excellent
weight distribution
over and between
the axles



Optimal visibility. Perfect integration.

Integrated lighting

The lighting for the immediate and distant surroundings, integrated into the roof gallery, along with head-lights at the front and rear, provides a large area of light around the vehicle. In addition, a colored LED strip can be switched on along the entire length to serve as an integrated warning light. Floor contour lighting also increases sure-footedness in the dark. When the parking brake is engaged, this is automatically switched on. When the full-height locker step is unfolded, the lighting remains on and illuminates the steps.

Indirect lighting

Adequate lighting is essential in crew cabs and the equipment compartments. Indirect light protects the eyes and prepares the user for dark areas at the scene.



FLEXILIGHT

The telescopic FLEXILIGHT light mast brings light directly to the scene. Its floodlights are movable and can be adjusted between environmental and spot lighting. They can also be swiveled upwards, for example, to illuminate building facades or balconies.



Powerful extinguishing technology. All possibilities.

Manual and electronic turrets

RM 15

This compact turret, with a maximum flow rate of 2,000 l/min at 10 bar, is electronically controllable and therefore suitable for both front- and roof-mounted applications.

RM 25/35

This electronically controlled turret offers a maximum flow rate of 2,500 or 3,500 l/min at 10 bar and is suitable for mounting on the roof of the cab or superstructure.

RM 24

This manual turret provides a flow rate of up to 3,000 l/min at 10 bar. It can be equipped with self-priming foam nozzles with discharge adjustment. It can also be operated independently of the vehicle with a supporting frame.



Various foam systems

FIXMIX 2.0

This around-the-pump foam proportioning system, which can be controlled manually or electronically (via RBC LCS), is integrated into the pump and offers both fixed and continuously adjustable proportioning rates.

High-pressure FIXMIX

This high-pressure proportioning system works mechanically, is maintenance-free, and can be fully integrated into NH series pumps. It allows foam on the high-pressure side and water on the normal-pressure side simultaneously. One of four mixing ratios is available (0.5%, 1%, 3% or 6%).

RFC Admix Variomatic

This direct injection proportioning system enables independent proportioning at each outlet as well as stepless adjustment of the proportioning rate. The foaming agent is injected directly at the discharge outlet, making the system easier to clean after use.

Compressed air foam system (CAFS)

Foaming is achieved by directly using compressed air at the point where water and foam compound are mixed. The result is a firm foam that enables particularly long throw ranges.



Powerful pumps, large tanks, centralized supply

AT firefighting vehicles are available with normal- and normal-high-pressure pumps with flow rates up to 4,500 l/min and water tanks with capacities of up to 5,500 liters. A central water supply allows all supply hoses to be connected at a single point. The reliable separation of potable and non-potable water during hydrant supply operation allows for a tank inlet that complies with DIN standards.

Smart solutions. Safe design.

Quick and safe removal

The COMFORT mounting system guarantees quick, easy, and safe removal of the equipment. The use of the high-visibility color orange to label all operable elements ensures that users instinctively know how to handle them.



RBC Logic Control System

The AT is operated via the RBC Logic Control System. This includes a 10" high-resolution display, a smaller 3.5" display, an endless rotary key with a print function (DIGIPOT), and various key panels. This enables intuitive operation of installed devices and integrated systems—from pumps to generators—and quick monitoring of operating conditions. All functions are color-coded, and the main navigation path runs clearly from left to right or from top to bottom.





Functional design

Functionality plays a major role in Rosenbauer's design. This allows, for example, additional equipment to be stored in integrated storage compartments in the crew cab, such as the bench seat boxes. Furthermore, the patented swivelling steps allow the crew to enter and exit quickly and safely, even while wearing an SCBA and with the door only halfway open.

The AT offers plenty of space and safety in the interior:

- Crew cab tested in accordance with ECE R29/3
- SCBA holders available in and against the direction of travel
- 3-point seat belts for all seats, optionally with detachable shoulder belts
- Optional rollover airbag system with belt tensioners for the outer seats
- Seating variants range from 1+4 to 1+8, with or without SCBA holders

The AT at a glance.

AT stands for Advanced Technology and represents the most advanced firefighting and rescue vehicle superstructures worldwide. They are extremely safe and convenient, compact and agile, intuitive and user-friendly, powerful and efficient, as well as highly dependable and durable. Their basis is a space-saving, self-supporting structure made of sandwich-aluminum parts. This provides maximum space for both the crew and the equipment. The concept is also highly adaptable. In this way, the AT always delivers what is needed.

Perfect illumination for optimal visibility

Good visibility is a basic requirement for operational safety. That is why Rosenbauer offers a comprehensive lighting concept for the AT, featuring energy-efficient, long-lasting LED systems that provide bright, glare-free, and virtually shadow-free illumination of the work area.

Stress reduction in the interior

Proper lighting is also very important inside the cab: Optimal brightness and color temperature in the crew compartment help reduce stress without causing fatigue. The lighting is therefore indirect, allowing users to adjust more quickly to dark areas at the scene. The same applies to the equipment compartments, where it prevents the eyes from being overwhelmed by bright light.

Space and safety in the crew cab

For Rosenbauer, the functional design of the crew cabin is a key factor. Integrated storage spaces in the bench seat boxes and the patented rotating staircase for quick and safe entry and exit are prime examples of this. The integrated twin cab features a flat, non-slip floor; illuminated handle bars by the doors provide additional support; and a continuous high headliner reduces the risk of head injuries. High-quality molded plastic parts are used for the interior; the plastic floor is durable and easy to clean. Even with the cabin extension, the cab can be easily tilted, which makes maintenance work easier.

Safety as a matter of course

The functionality of a firefighting vehicle should never be a mystery. Rosenbauer therefore relies on a self-explanatory

operating system that is uniform in all vehicles: the RBC Logic Control System. This allows for intuitive operation of installed devices and integrated systems—from pumps to generators—enabling users to quickly monitor operating conditions and activate specific systems simultaneously with a single push of a button.

Impressive extinguishing technology

For the AT, Rosenbauer offers normal pressure pumps with flow rates of up to 4,500 l/min at 10 bar, as well as combined pumps with an additional high-pressure output of up to 400 l/min at 40 bar. The water tanks are made of polyethylene (PE) and polypropylene (PP), and have capacities of up to 5,500 liters. This ensures their stability and even makes them suitable for transporting drinking water. Electronic and manual turrets, perfectly coordinated with the pumps, are available for the vehicle's front and roof, with maximum output capacities of 3,500 l/min. To facilitate effective firefighting with extinguishing foam, various proportioning systems and a CAFS System for particularly long throw ranges are also available. The extinguishing technology is ergonomically designed and easy to operate via a display or control panel in the pump compartment. Depending on the functional requirements, the operating elements can be electronic or mechanical. The display elements are clearly arranged above the operating elements.

Smart details

The fixings, equipment carriers, and manipulable systems of the COMFORT mounting system are specifically designed for installation in equipment compartments and are incredibly intuitive to use. Their uniform color scheme supports quick and safe removal of the equipment. In addition, the Rosenbauer rapid attack nozzles are attached with so-called single-finger locking brackets and can be released and removed with the flick of a thumb. Removing the hoses is also simple: they are stacked one on top of the other in the hose magazine and thus slide forward automatically. This saves time and space and simplifies the removal significantly. Since Rosenbauer not only develops and manufactures state-of-the-art hardware, the AT also offers sophisticated software solutions. These help the first responders with their daily work: in preparing for and following up on incidents, in maintenance and inspections, and, of course, where they are most useful: in incident management.

Would you like to find out more about
the AT product line?
Visit rosenbauer.com or scan the QR code.



