





# OUR COMPETENCE: SPECIAL VEHICLES DESIGNED PARTICULARLY TO FIGHT FOREST FIRES

IVECO MAGIRUS is partner of firemen all around the world and against all kind of fires.

Forest fires have increased dramatically both in number and in scale over recent years and with the current changes in world climatic conditions there is every reason to believe that this trend will continue. It has become very clear in recent years that global warming has also led to a dramatic increase in the risk of forest fires and other extensive blazes. IVECO MAGIRUS, in contact with Fire Brigades all around the world, have taken into consideration the more and more problematic situation of forest fires and have worked with them in trans-national discussions, solution approaches and networks.

Together with the Fire Brigades we have learned how to deal with these new risks, organise the Fire Brigades effectively, create the right vehicles and equip them appropriately.









# A RANGE OF PERFECT 4x4 OFF-ROAD VEHICLES, ALLOWING COMPLETE CONTROL OF THE FIRE

A forest fire differs from other fires by its extensive size, the speed at which it can spread out from its original source, its potential to change direction unexpectedly, and its ability to jump gaps such as roads, rivers and fire breaks.



## DIFFERENT VEHICLES, ONLY ONE GUIDELINE : PERFORMANCE AND RELIABILITY.

In the challenge against these specific fires we have developed a range of vehicles with top off-road performance, manoeuvrability, an ability to climb, small dimensions and low weight, rule out the carrying of large amounts of extinguishing agents. The water is used optimally, thanks to the high-pressure systems that also guarantee an excellent extinguishing capability, and maximum throw distances.

New silent block equipment has been designed to feature a pump, a platform and a tank in just one-piece. This single block assembly offers the following advantages:

- High cross-country capability (HRB Category 3)
- The rigidity of the equipment which suppresses torsion and twists between tank and lockers
- 3-points mounting on the chassis of equipment body, 2 silent blocs at front and a cantilever at rear, which leaves freedom to chassis torsion without affecting the equipment
- This type of body mounting facilitates forest penetration as the tank remain in line with the cab
- The low gravity center

## EQUIPMENT

- 1,000 to 7,000 l protected steel tank, depending on the chassis
- Pump: 1,000, 1,500 or 2,000 l/min at 15 bar
- Breathing apparatus sets in the cab
- 1 x 82 m quick attack hose reel with manual or electric winding
- 1 x 120 m storage reel
- 2 side lockers, with doors
- Heat shielding

## OPTIONS

- Stainless steel tank
- Foam production device
- Low (1,500 l/min at 15 bar) and High (250 l/min at 36 bar) pressure pump
- External tubular protection and water self protection
- Electric water monitor on the tank, behind the cab

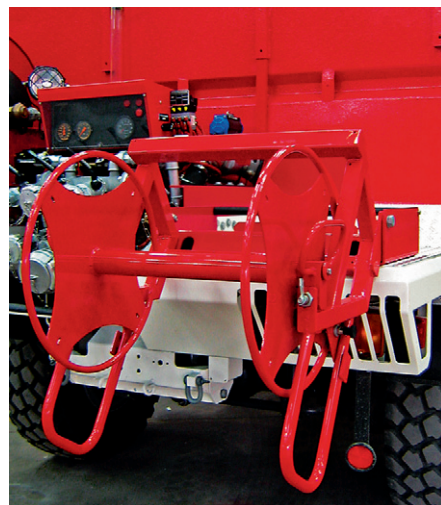




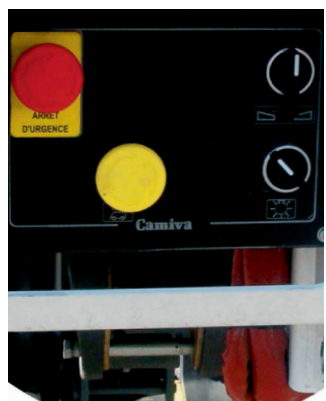
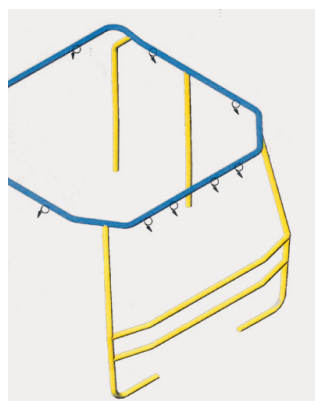
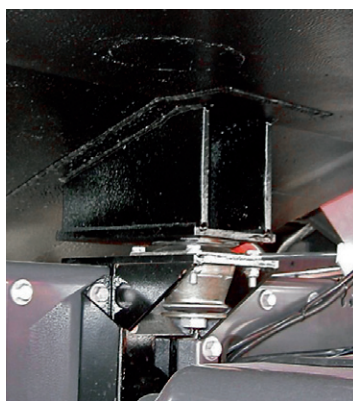
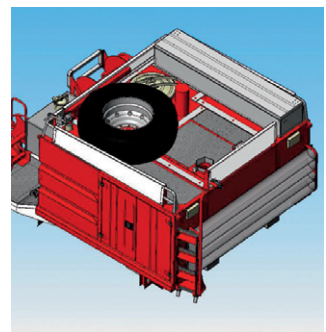
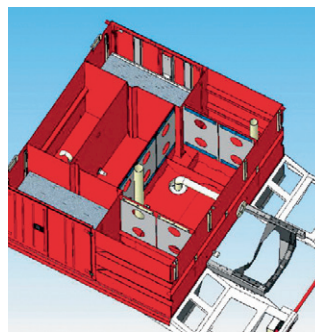


# SPECIAL SOLUTIONS FOR EXCEPTIONAL REQUIREMENTS

- 1 Control panel at the bottom rear for greater ergonomics and accessibility
- 2 MAGIRUS pump with automatic priming device through water ring outside of the pump. Hydraulic piston drive. Bronze structure. Benefits: minimum wear, high level of reliability and practically zero maintenance.
- 3 120 m storage reel, without supply. For better accessibility, the reel may be tilting on the back, pivoting portable.(option)
- 4 Prism-shaped low-level tank with flat bottom, which lowers the vehicle's centre of gravity. Fitted with transverse and longitudinal partitions, which are removable to provide access to all of the compartments for maintenance.
- 5 Easy access through a man-hole. 15% more space. Bracket protected by spare wheel (if option selected).
- 6 Tank gallery with reinforced tubular corners and drain hole for cleaning. The angles are cut and the edges slope inwards to prevent branches from catching.
- 7 External stainless steel protective hoop for the cab, fitted with sprinklers.
- 8 Adjustable continuous shelves. Adjustable pipe separators made from strong, non corroding and non abrasive composite material.
- 9 Suction pipes are placed on the left hand side at the front, easily accessible from the ground.
- 10 Fold-down tilting ladder for climbing onto the tank without using the steps for the cab.
- 11 Removable aluminium hinges.
- 12 Flush door handles
- 13 External protection for tank provided by a steel U-section integrated along each of the lower side edges, 4 mm thick.
- 14 3-point fastening without under-frame to optimize the vehicle's clearance capacities.
- 15 One-piece pump and platform unit integrated in the tank:
  - Less stress on the equipment from deformations of the chassis
  - Design











IVECO MAGIRUS supplies everything from under one roof:

- a globally unique, complete range of vehicles for fire fighting, aerial rescue and civil protection
- chassis, cabs, equipment compartment bodywork, outfitting and pumps
- 145 years experience and the power of continuous innovation

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