



ARFFV



AIRPORT FIRE FIGHTING AND RESCUE VEHICLE

Ready for every operation with the latest firefighting and rescue equipment.

Liegler

ARFFV TWO-AXLE-TYPE

■ FLF 60/60-10+250 P

Scania P480 4x4

Compact and flexible, the biaxial Rapid Intervention Vehicle guarantees protection and safety at smaller airports. With water, foam and powder as well as powerful extinguishing technology, the vehicle is perfectly equipped especially for firefighting.



- 1. Ambience lighting
- 2. Crew cabin 1+4
- 3. Remote controllable ZIEGLER-Bumper turret (2,200 l/min. @ 12 bar)
- 4. Foam proportioning system MINIMAX P250 with rapid intervention system
- 5. Bullbar
- 6. ZIEGLER-Water-/Foam Roof turret with Deflector (5,000 l/min. @ 10 bar)
- 7. Two-stage ZIEGLER-centrifugal-fire-pump FPN 10-6000-2H
- 8. Extinguishing unit with 6,000 l water, 1,000 l foam and 250 kg powder

ARFFV TWO-AXLE-TYPE



■ RW-Crane MAN TGS 18.440 4x4

Hydraulic Front rescue platform, 50-kN winch, rear-sided loading crane with 12,60 m range, 40kVA generator and pneumatic light mast make the RW perfect for Technical Assistance.



■ Rescuestairs MAN TGS 18.400 4x4

The hydraulic stair makes it possible to evacuate passengers from an aircraft. The upper rescue platform is extendable and swiveling. Fire fighting actions can be taken with a 30 m rapid intervention extinguishing unit.

■ TWO-AXLE-TYPE



■ HTLF 30/30-3 Mercedes-Benz Actros 1860 4x2

3,000 liters of water, 300 liters of foam, a high pressure ZIEGLER-FP and a proportioning PROFOMAT perform to the erasing power, ZIEGLER water cannon and high-speed attack mechanism deliver them. To illuminate the deployment, a 6-meter light mast is location mounted with six 24-V-xenon headlamps.



■ RIV Chevrolet Silverado 3500 HD 4x4

Compact, for all terrain, efficient: The RIV 250-liter water tank and firefighting kit is quickly on site to help.



■ GWG Mercedes-Benz Atego 1224 4x2

The special vehicle is equipped with risk goods facilities and additional loading optimally for the real thing. A pneumatic pole (4 x 1,000 W halogen) and Xenon work lights on the roof make the night the day.

ARFFV TWO-AXLE-TYPE

■ QUALITY



Each vehicle combines all ZIEGLER-specific advantages: from the reliable superstructure system ALPAS to the ZIEGLER-pump-technology with the user-friendly Z-Control operator control panel. That is quality – signed and sealed.

■ FLF 60/60-10+250 P Scania P410 4x4

Large volumes of water and foam, powerful pump and admixture technology, a powerful roof turret, an ABC powder system: This is whereby this yellow giant fights against every fire.



■ TWO-AXLE-TYPE



■ TLF 20/20-3 Mercedes-Benz Econic 1829 4x2

A high pressure quick attack Setup is installed via the rear mounted high pressure pump. In addition to an extensive equipment for technical assistance. In addition to extensive equipment to provide technical assistance also feature in 50-kN winch and a mounted on the building front pneumatic 5m lighting column (4 x 1,000 W halogen headlights).

■ FLF 60/55-7+260 P Mercedes-Benz Actros 1850 4x4

With three extinguishing agents (water, foam, powder) of Actros is very versatile especially with front and roof turret and rapid intervention unit.



ARFFV THREE-AXLE-TYPE

■ FLF 60/100-12+250 P MAN TGS 33.540 6x6

Thanks to a capacity of 10,000 l water, 1,200 l foam and 250 kg powder the vehicle is a heavy weight in fire fighting, but due to the mid-ship mounted pump perfect handling of the pump is always provided. Powerful bumper and roof turrets ensure maximum fire fighting efficiency.



- 1. Self-protection system
- 2. Remote-controlled ZIEGLER-front turret, 1,000 l/min. @ 10 bar, casting distance (at max. 40 m)
- 3. Remote controlled ZIEGLER Roof turret 5,000 l/min. @ 10 bar with deflector and flow rate regulating system 100 – 50 %
- 4. ZIEGLER-FPN 10-6000-2M mounted in the midship body, 6,500 l/min. @ 10 bar
- 5. External GRP Extinguishing tank agent 10,000 l water, 1,200 l foam
- 6. Allison automatic gear

ARFFV THREE-AXLE-TYPE



■ FLF 60/100-12+250 P MAN TGS 33.540 6x6

The large volumes of extinguishing agent (10,000 l water, 1,200 l foam) are stored in external GRP tanks. The pump (max. capacity 6,500 l/min. @ 10 bar) is fitted in the midship-mounted, so that optimized axle load distribution and handling of the vehicle are provided. The pump is driven by a Cushman Power Divider – for full „pump and roll mode“.



■ THREE-AXLE-TYPE



■ FLF 60/90-11 Mercedes-Benz 3354 Actros 6x6

The 9,000 l GRP water tank with integrated foam tank is installed on the outside. The pump is driven by a separate MB pump engine, that the pump operation is possible independent of the driving operation. A pressure control system TOURMAT D keeps the working pressure constant, at all times – fully automatically, without readjustment.

ARFFV THREE-AXLE-TYPE



■ **FLF 80/114-14+250 P**
MAN TGS 33.480 6x6

The vehicle carries water, foam concentrate and powder. The pump mounted between driver's cab and water tank is driven by a separate pump engine and is independent of the vehicle engine. In addition, the vehicle is equipped with a rapid intervention unit.



■ **FLF 60/100-12+250 P**
MAN TGS 33.480 6x6

Outboard GRP extinguishing agent tanks and a pump located in the midship body, provide an ideal construction concept for this type of vehicle. Water, foam or powder discharged by strong turrets reliable fight any type of fire.

■ **THREE-AXLE-TYPE**



■ **FLF 60/120-14,5+250 P**
Volvo FMX 540 6x6

The Volvo is equipped three extinguishing agents, rear-mounted pump, mechanical-automatic foam proportioning system, 2 turrets, rapid intervention unit and a self-protection system. ZIEGLER structures can be constructed on any chassis.



■ **FLF 60/81-10+250 P**
MAN TGS 33.540 6x6

The water tank with integrated foam tank is ideal for larger volumes of extinguishing agent is outboard installed. The pump is located in the rear. The anti-slip structure roof is accessible.



■ **TLF 30/60-5**
Scania P 440 6x6

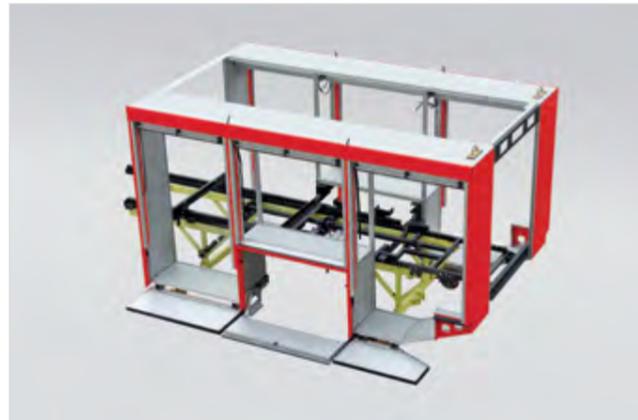
In addition to the high-pressure pump and the CAFS foam proportioning system, the TLF has a high-speed rapid intervention unit and a rear-mounted 54-kN-self-recovery winch.

COMPONENTS

How well a vehicle fulfills its purpose, essentially depends on the details. ZIEGLER technologies and components have proven their quality, functionality, robustness and ease of use thousands of times in the past – and provide you the maximum security in operation.



ALPAS
The patented ZIEGLER aluminum panel system is highly flexible, extremely (value-) stable and very durable.



ALPAS Structure
ALPAS structures create surrounding the extinguishing agent unit generous storage space, which is intelligently useable.



Pumps
Over 100,000 ZIEGLER Centrifugal fire pumps are successfully in service worldwide.



Safe operation
The arrangement of all operating and control elements is perfectly adapted tactically and ergonomically.

Z-Control



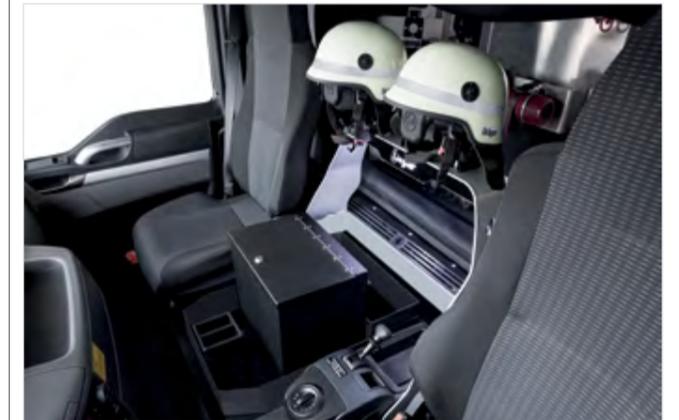
Z-Control
User-friendly, clear, logic, easy to understand, and controllable even with gloves: Z-Control meets all practical requirements.



Z-Control pump control
With clearly structured Z-control panel the machinist has all functions at a glance.



Light mast / Z-Control-Light mast control
Designed for the use with gloves – safe in operation.



Z-Rack
Space, perfectly used: for document box, radio charger for portable radios and lights as well as a helmet fixation.



ZIEGLER Roof turret BOA
Electrically remote controlled water / foam turret with an output up to 6,000 l / min. @ 10 bar.



ZIEGLER Bumper turret VIPER
With a joystick remote controlled water / foam cannon with an output up to 1,600 l / min. @ 10 bar.



SERVICE – MADE BY ZIEGLER

Extensive instruction is carried out by our specialists of different areas before initial operation of a vehicle of Airport, Firefighting or Rescue. After the delivery of a vehicle every customer can rely on the competent ZIEGLER-Service, that is always available in case of an event.

- Worldwide guaranteed availability of our service team:
24 hours a day, 7 days a week
- Immediate assistance by remote diagnosis
- Skilled support specialists right after initial contact
- Pump warranty of spare part availability over decades
- ALPAS quality warranty
- Optional extended warranty for 5 years in conjunction with maintenance contract
- Refurbishment and renovation warranty
- Local service partners