



ARFFV



AIRPORT FIREFIGHTING AND RESCUE VEHICLES.

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

Ziegler

ARFFV TWO-AXLE-TYPE

- **FLF 60/60-10+250 P**
SCANIA P480 4 x 4

Compact and flexible, the two-axled 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. AMBIENT LIGHTING**
- **2. CREW CABIN 1 + 4**
1,000 l/min at 10 bar,
throw distance (at max. 40 m)
- **3. REMOTE CONTROLLED
ZIEGLER BUMPER TURRET**
2,200 l/min at 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 at 10 bar)
- **7. TWO-STAGE
ZIEGLER CENTRIFUGAL FIRE PUMP**
FPN 10-6000-2H
- **8. EXTINGUISHING UNIT**
6,000 l water, 1,000 l foam and 250 kg
powder

ARFFV TWO-AXLE-TYPE



■ RW-CRANE MAN TGS 18.440 4 × 4

With hydraulic front rescue platform, 50 kN winch, rear-sided loading crane with 12.6 m range, 40 kVA generator and pneumatic light mast, the RW is perfectly equipped for technical assistance.



■ HTLF 30/25-2,5 MERCEDES-BENZ ACTROS 1843 4 × 2

2,500 liters of water, 250 liters of foam, a high pressure ZIEGLER-FP and the admixing Foam System 24 provide the extinguishing power, the high-pressure rapid intervention extinguishing unit takes the power into action. To lighten the scene, a light mast with LED-lights is mounted on the front part of the superstructure. To ensure the security of the 1+5 crew, the Z-Cab is equipped with our Z-Protac airbag system.

■ **RESCUE STAIRS
MAN TGS
18.400 4 × 4**

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.



■ **RIV
CHEVROLET SILVERADO 3500 HD 4 × 4**

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



■ **GWG HAZMAT
MERCEDES-BENZ ATEGO 1224 4 × 2**

With its equipment, the HAZMAT is most suitable for the emergency. A pneumatic light mast (4 × 1 kW halogen) and xenon work lights on the roof turn the night into day.

ARFFV TWO-AXLE-TYPE



- **FLF 60/55-7+260 P**
MERCEDES-BENZ ACTROS 1850 4 x 4

With three extinguishing agents (water, foam, powder), this Actros can be used versatile especially with front and roof turret as well as the rapid intervention unit.

- **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. This is quality – signed and sealed.





- **TLF 20/20-3**
MERCEDES-BENZ ECONIC 1829 4 × 2

A high pressure rapid intervention unit is installed on top of the rear mounted high pressure pump. In addition to extensive equipment to provide technical assistance, the vehicle also features a 50 kN winch and a front-mounted pneumatic 5 m light mast (4 × 1 kW halogen headlights).

- **FLF 60/60-10+250 P**
SCANIA P410 4 × 4

Large volumes of water and foam, powerful pump and admixing system as well as a high-performance roof turret and an ABC powder system: with this equipment the yellow giant fights every fire.



ARFFV THREE-AXLE-TYPE



2

1

6

4

3

▪ **FLF 60/100-12+250 P**
MAN TGS 33.540 6 × 6

Thanks to a capacity of 10,000 l water, 1,200 l foam and 250 kg powder the vehicle is a heavy weight in firefighting and also provides perfect handling due to the mid-ship mounted pump. Powerful front and roof turrets ensure maximum firefighting efficiency.



- **1. SELF-PROTECTION SYSTEM**
- **2. REMOTE-CONTROLLED ZIEGLER FRONT TURRET**
1,000 l/min at 10 bar,
throw distance (at max. 40 m)
- **3. REMOTE CONTROLLED ZIEGLER ROOF TURRET**
5,000 l/min at 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 at 10 bar
- **5. MODULAR GRP EXTINGUISHING TANK**
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 modular GRP tanks. The pump (max. capacity 6,500 l/min at 10 bar) is mid-ship-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”.





- **FLF 60/90-11**
MERCEDES-BENZ 3354 ACTROS 6 × 6
The 9,000 l GRP water tank with integrated foam tank is installed modular. The pump is driven by a separate MB pump engine, to ensure a pump operation independently of the driving operation. The pressure control system TOURMAT D keeps the working pressure constant at all times – fully automatic, 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 is mounted between the driver's cabin and the water tank and is driven by a separate pump engine to be operated independently 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

Modular GRP extinguishing agent tanks and a pump, mounted in the midship body provide an ideal construction concept for this type of vehicle. Water, foam or powder thrown by strong turrets, reliably extinguish every kind of fire.



▪ **FLF 60/120-14,5+250 P**
VOLVO FMX 540 6 x 6

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 super-structures can be mounted on any chassis.



▪ **FLF 60/81-10+250 P**
MAN TGS 33.540 6 x 6

The water tank with integrated foam tank is modular, ideal for larger volumes of extinguishing agents. The pump is located in the rear. The anti-slip structured roof is accessible.



▪ **TLF 30/60-5**
SCANIA P 440 6 x 6

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

COMPONENTS

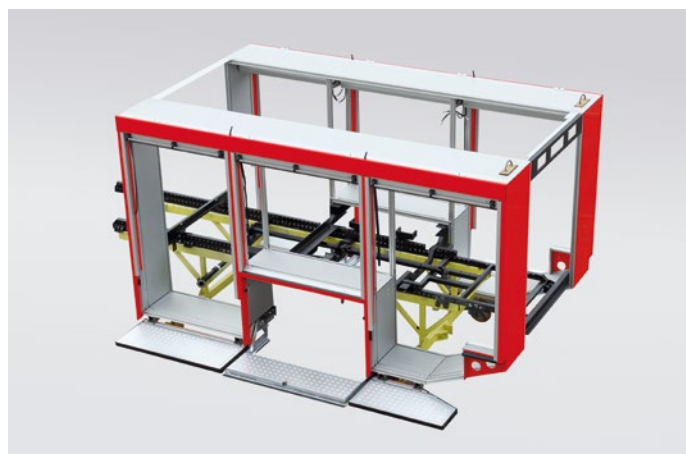
■ SPECIFIC ADVANTAGES

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 the maximum security for your operation.



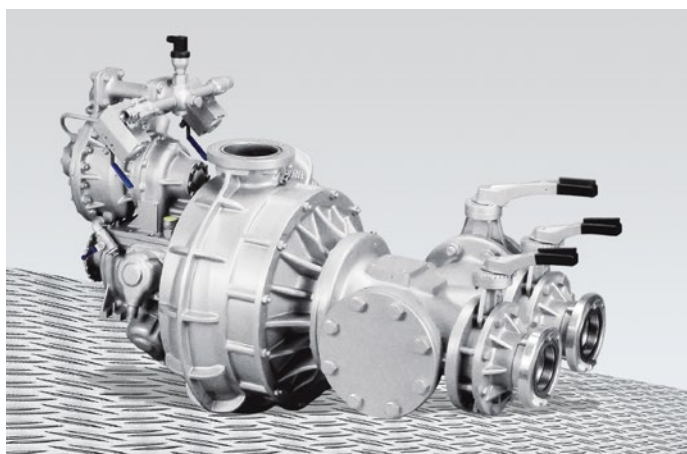
■ ALPAS

The patented ZIEGLER Aluminum Panel System is highly flexible, extremely (value-) stable and very durable.



■ ALPAS SUPERSTRUCTURE

ALPAS superstructures offer large storage spaces surrounding the extinguishing agent unit, which is intelligently usable.



■ PUMPS

Over 100,000 ZIEGLER centrifugal fire pumps are successfully in operation worldwide.



■ SAFE OPERATION

The arrangement of all operating and control elements is perfectly adapted relating to tactics and ergonomics.

Z-Control



▪ Z-CONTROL

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



▪ Z-CONTROL PUMP CONTROL

Thanks to the clearly structured Z-Control panel the machinist has all functions at a glance.



▪ Z-CONTROL FOR THE LIGHT MAST

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 at 10 bar.



▪ ZIEGLER BUMPER TURRET VIPER

With a joystick remote-controlled water / foam turret with an output up to 1,600 l/min at 10 bar.



ARFFV



SERVICE – MADE BY ZIEGLER

Extensive instruction is carried out by our specialists before the initial operation of a vehicle of airport, firefighting or rescue. After delivery, every customer can rely on the competent ZIEGLER service which 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
- Refurbishment and renovation warranty
- Local service partners



Albert Ziegler GmbH, Memminger Strasse 28, 89537 Giengen/Brenz, Germany
E-Mail ziegler@ziegler.de, Phone +49 7322 951-0, Fax +49 7322 951-211
www.ziegler.de/en