



## TECHNICAL DESCRIPTION

**PRODUCT DESCRIPTION:** FIRE FIGHTING UNIT WITH 5.000 LT. GRP MADE WATER TANK ,1.000 GRPMADE FOAM TANK, FRONT AND REAR LOCKER (ALU PROFILEALU COVERED), TR MADE EN CERTIFIED NP 3.000 LT./MIN @ 10 BAR FF WATER PUMP, MANUAL CONTROLLED ROOF MONITOR, 1 NOS. NP HOSE REEL AND REST AS PER SPECIFICATION MOUNTED INTO CUSTOMER MB 2023 MODEL ATEGO 1725 4X4 EUR 3 TRUCK CHASSIS

**PRODUCT TYPE: FF CBU (CHASSISFREEISSUE)**

### A. TRUCK SPECIFICATIONS

UNDER CUSTOMER SCOPE OF SUPPLY

### B. TECHNICAL SPECIFICATION OF FIRE FIGHTING EQUIPMENT

#### WATER TANK

**Capacity :** 5.000 lt.

**Material :** Heavy Duty Grp Made

**Design :** Modular section design, stiffened by suitable beads on the sides to withstand stress caused by surging liquid.

#### FOAM TANK

**Capacity :** 1.000 lt.

**Material :** Heavy Duty Grp Made

#### Fittings :

- longitudinal and transversal anti-surges baffle plates
- 1 no. Ø 500 mm manhole on water tank and foam tank , with closing cap on top to enable easy access to the tank for routine maintenance and inspection as well as for tank filling;
- 2 no. filling inlets, located on sides of the vehicle, complete with 2 1/2" BS couplings, blank caps, with chain
- over-flow/vent pipe to discharge excess water under the chassis;
- There will be 1 no. 2 1/2" and 1 no. 1" , gravity discharge outlet in suitable place with ball valve
- There will be electronic level indicators for water and foam tank located inside of control panel.
- 1 no. drain port, complete with 2 1/2" type coupling, ball valve, blank cap and chain;
- connections for tank to pump line according pump inlet dimension.

Visiting address  
Ringersstraat 11  
3125 BP Schiedam  
The Netherlands

NL52 INGB 0008 0182 68  
Swift INGB NL2a

Postal address  
Postbus 4056  
3102 GB Schiedam  
The Netherlands

NL54 RABO 0322 5593 91  
Swift RABONL2U

sales@tmh.nl  
tmh.nl

BTW NL857769248B01  
KVK 69177961



## **LOCKERS**

There will be two compartments;

### **Front locker**

Located between truck cab and tanks to keep equipments or extra accessories .Frame will be manufactured aluminium profiles covered with aluminium sheets. 2-side dust and water proof aluminium shutters with locks. There will be interior lighting activated automatically when shutters are opened. Inside all possible places will be covered with Aluminium plates. There will be steps where applicable for reaching high points supported with air cylinders.

### **Rear locker**

Located at the rear, pump system with hose reel(s) will be located here. Frame will be manufactured aluminium profiles covered with aluminium sheets. 3-side dust and water proof aluminium shutters with locks. There will be interior lighting activated automatically when shutters are opened. Inside all possible places will be covered with Aluminium plates. There will be steps where applicable for reaching high points supported with air cylinders. There will top side covers full length of compartments , There will be two side lights in each side to work at night easily and one set of working light for pump compartment at rear.

## **PUMP SYSTEM**

### **TR MADE, EN CERTIFIED , NORMAL PRESSURE FIRE FIGHTING WATER PUMP**

- Medium Pressure nominal flow rate: 3.000 lpm @ 10 bar
  - Case made of Aluminium with anti-corrosion treatment
  - Medium Pressure Stage impeller made of Aluminium with anti-corrosion treatment
  - Stainless Steel shaft supported by ball-bearings
  - Self-balanced mechanical seal, maintenance free
  - Thermal Relief valve
  - Pump will have around the pump foam proportioner, able to adjust from %0 to %3, %6. Foam line will have flush option to clean.
  - Pump will have priming pump activated from control panel
- The pump is fitted with following outlet and inlet connections;
- Four (4) 2-1/2" outlets complete with valve, BS couplings and blind caps.
  - One (1) , 4" inlet complete with valve ,BS coupling and blind caps.
  - One (1) Monitor outlets with necessary valves , fittings.
  - One (1) 1" NP hose reel outlet.

***All installation in water and foam line will be manufactured from stainless steel , foam line AISI316L , rubber or plastic lines.***

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## CONTROL PANEL FUNCTIONS

**Highly esthetic designed and illuminated with LED lights consists of ;**

- Pressure Gauge – To see water pressure on system
- Engine Water Temperature Gauge – To see engine water temperature ( depends on truck chassis )
- PTO on/off light
- Vacuum Meter Gauge – To see vacuum value on priming
- Tachometer – To see truck engine rpm ( depends on truck chassis )
- Hose Reels On/Off – hose reels on / off
- Main Valve On/Off – From tank to pump
- System Power – To turn off the whole system
- Tank Filling On/Off - From outside to tank
- Rpm (+,-) – To controlled the truck rpm
- Interior Lighting On/Off – To control interior lightings
- Primary Vacuum On/Off – To use priming
- Idle Running – To adjust speed for idle for truck
- Exterior Lighting On/Off – To control exterior lightings
- Control panel light.
- Level indicators for Water and Foam.

**\*some functions depends on truck chassis selection**

## MONITOR

Manual controlled monitor 2.400 lt./min @ 10 bar capacity , 360° horizontal travel , vertical elevation - 15° to +80 °

fitted with jet & fog nozzle monitor. Throw range is min 70 mt. for water and can be controlled by remote controls

located on truck cab and manually by handwheels.

## HOSE REELS

There will be 1 x electric rewind hose reels with 60 mt. 1" hose and NP lance with JET / FOG option.

## ACCESSORIES

- 50 kg. Dry Powder Unit with 5 mt. hose and lance 1 pcs
- ladder located in rear left or right side of vehicle with foldable part at bottom 1 pcs
- 4" x 3 mt. suction hose with couplings 3 pcs
- Stainer for suction hoses 1 pcs
- Delivery hoses , 25 mt. 2 1/2" with BS couplings 4 pcs
- 2 1/2" piston type (turbo nozzle) lances with JET and FOG options 2 pcs
- 2 x 9 kg. Fire Extinguisher with brackets located in suitable place in compartments 2 pcs
- LED type ,multi-mod top lights with speaker and public system. 1 set
- Around the body and front grill LED flash lights as per customer requested colour 1 set
- Spot light located in the front grill 1 pcs
- Portable scene light with 5 mt. cable 1 pcs
- Heavy duty foam pipe 2 1/2" connection 1 pcs
- First aid kit 1 set
- 9 mt. aluminium extension ladder located on top of body 1 pcs
- Spanner set for couplings 1 set
- Manuel hand winch for spare tyre mounted on top 1 pcs

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- Pump maintenance kit (includes spanners,pliers,wrenches,etc) 1 set

#### **PAINTING AND FINISHING**

All parts and compartments will be painted separately.Painting process will be done in steps of ;

-Shock primer for all parts&surfaces.

-Epoxy paint for all parts & surfaces

-Final acrylic paint in requested RAL colours

Acc. to the customer 's request , requested stickers and labelling will be done on suitable places.

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