



**ABO**  
**Deman**



[www.abodeman.gr](http://www.abodeman.gr)

## RAPID INTERVENTION VEHICLE (RIV) with AUTONOMOUS FIREFIGHTING (SKID) UNIT

### Firefighting and Rescue First-Response Unit

- ✓ Complete Firefighting Vehicle or autonomous Firefighting skid unit, suitable for mounting and operation on a 4x4 pickup type chassis.
- ✓ Available with water tanks of 350 L, 500 L or 600 L.
- ✓ Option to select between different types of pump units, depending on the required water flow and pressure levels.

### GENERAL SPECIFICATIONS

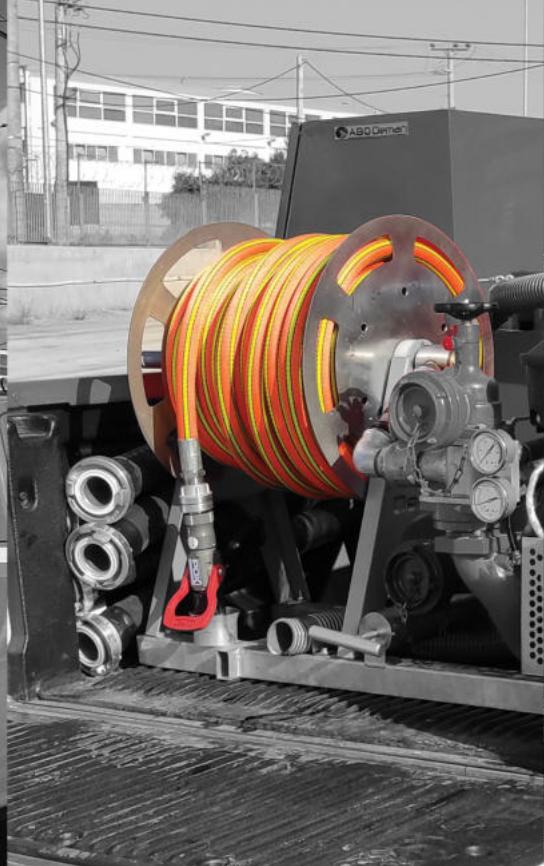
- ✓ Design ensuring a low center of gravity, with precise and well-balanced axle load distribution, for improved road handling and enhanced operational safety.
- ✓ Large storage compartments designed with emphasis on aerodynamics and maximum visibility.
- ✓ The dry weight ranges approximately between 200 and 250 kg, depending on the selected configurations.





## WATER TANK

- ✓ Made of Glass-Reinforced Polyester (GRP)
- ✓ Available capacities of 350, 500 or 600 L, with appropriate anti-slosh baffles
- ✓ Equipment storage compartments with a total capacity of up to 300 L



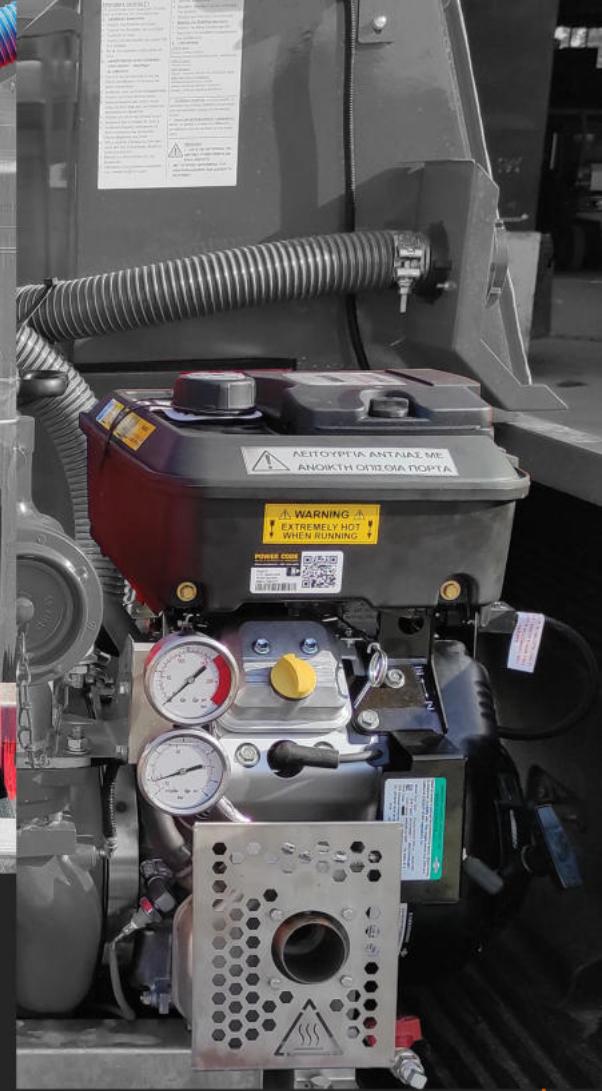
## HOSE REEL

- ✓ Stainless-steel axial feed
- ✓ Equipped with a 25 mm constant-diameter hose, up to 60 m in length, lightweight (230 g/m) and high-strength, with a burst pressure of 90 bar
- ✓ Crimped end fittings, rated for maximum operating pressure up to 40 bar



## PIPING SYSTEM

- ✓ Designed to minimize pressure losses, with appropriately sized cross-sections
- ✓ **Suction:** from the tank or from an external source
- ✓ **Discharges:** outlets for connecting Trevira hoses, one outlet to the hose reel, and one tank-filling outlet through the pump



## PUMP

- ✓ Five (5) configuration options cover the widest range of requirements
- ✓ For additional configuration options, contact us

## PUMP TECHNOLOGY

### SINGLE STAGE

Technical Features EN 1028 (GODIVA) / Briggs & Stratton Vanguard, 18 HP  
 Maximum Flow 1400 lpm  
 Maximum Pressure 8,2 bar

### MULTI-STAGE 2-STAGE

Technical Features NFPA 1906 (WATERAX) / Briggs & Stratton Vanguard, 23 HP  
 Maximum Flow 1136 lpm  
 Maximum Pressure 13,8 bar

### MULTI-STAGE 3-STAGE

Technical Features NFPA 1906 (WATERAX) / Honda/Robin, 13 HP  
 Maximum Flow 386 lpm  
 Maximum Pressure 23,8 bar

### MULTI-STAGE 4-STAGE

Technical Features NFPA 1906 (WATERAX) / Briggs & Stratton Vanguard, 18 HP  
 Maximum Flow 394 lpm  
 Maximum Pressure 30,3 bar

### DIAPHRAGM HIGH-PRESSURE

Technical Features ANNOVI REVERBERI AR 813 / Honda/Robin, 13 HP  
 Maximum Flow 80 lpm  
 Maximum Pressure 50 bar

## STRATEGIC APPLICATION

### Single-stage pumps (High Flow)

*Maximum flow rate – Immediate response*

For rapid transfer of large volumes of water, ideal for wide-area coverage, large-scale firefighting operations, and tank filling

### Multi-stage pumps (High Pressure / Medium Flow)

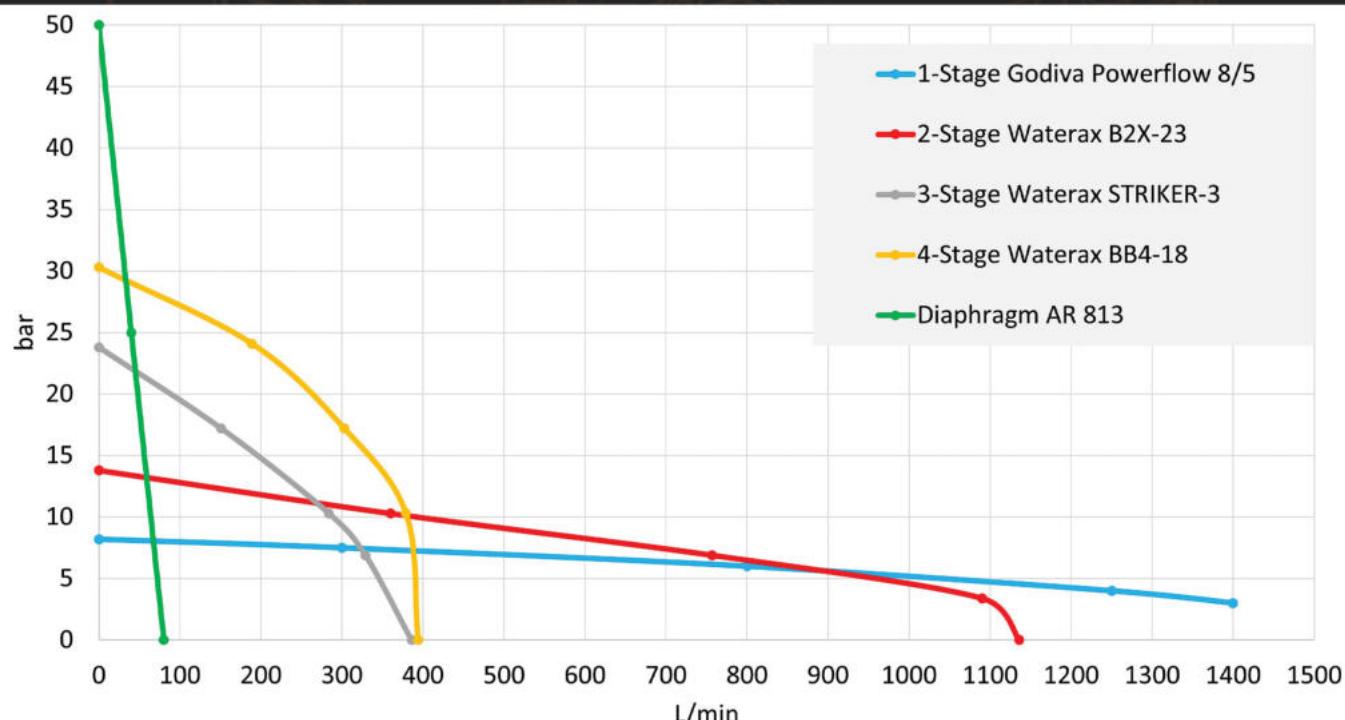
*Pressure power – Absolute control*

With pressure up to 30.3 bar, they provide powerful discharge at height or distance, suitable for wildland fires, hard-to-reach areas, and demanding conditions

### Diaphragm pumps (Very High Pressure / Low Flow)

*Targeting precision – Water efficiency*

Extremely high pressure with low flow, ideal for small hot-spots, flare-ups, and areas with limited resources



## OPTIONS

### Firefighting systems

- ✓ 1% foam-mixing system with Round-The-Pump technology for stable and precise induction
- ✓ Remote-controlled roof monitor with high-precision movement and full control from the cabin console



### Communication & telematics systems

- ✓ Capability to install any type of transceiver, with full integration and seamless adaptation to the vehicle cabin
- ✓ Capability to install telematics systems, supporting integrated operational monitoring and fleet management



### Equipment and accessories

- ✓ Full range of operational equipment, including hoses, nozzles, quick-couplings, and tools
- ✓ Capability to integrate additional equipment, thanks to spacious compartments that accommodate rescue gear, SCBA units, backpack fire extinguishers, and other operational tools
- ✓ Dragon Winch electric winches with pulling capacity up to 13,000 lbs



### Warning & signaling systems

- ✓ Selection of visual signaling between beacon or LED lightbar
- ✓ Perimeter work lights, Spot or Flood
- ✓ Acoustic signaling (WAIL-YELP-HI/LO) and Public Address system





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