

# ABO Deman



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

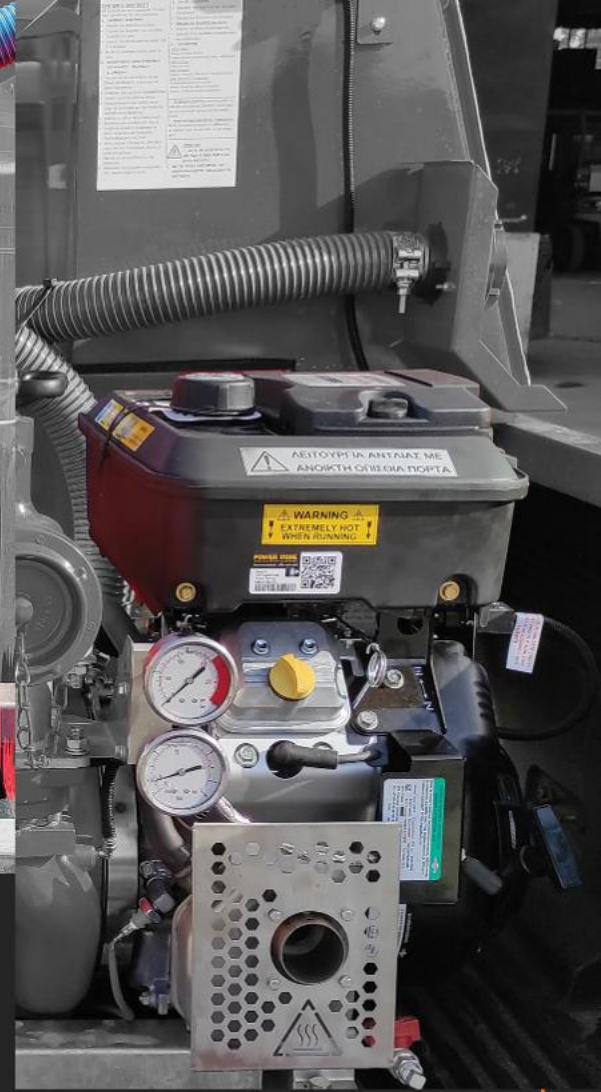
### Firefighting and Rescue First-Response Unit

- ✓ Complete Firefighting Vehicle or autonomous Firefighting skid unit, suitable for mounting and operation on a 4x2 & 4x4 pickup type chassis, single, space & double cab
- ✓ Available with water tanks from 350 L to 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 between 180 and 250 kg, depending on the selected configurations.





## HOSE REEL

- ✓ Stainless-steel axial feed
- ✓ Equipped with a 25 mm constant-diameter hose, up to 60 m in length, lightweight (185-230 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

- ✓ Six (6) configuration options cover the widest range of requirements
- ✓ For additional configuration options, contact us

## WATER TANK

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

## PUMP TECHNOLOGY

SINGLE STAGE	Technical Features Maximum Flow Maximum Pressure	EN 1028 (GODIVA) / Briggs & Stratton Vanguard, 18 HP 1400 lpm 8,2 bar
MULTI-STAGE 2-STAGE	Technical Features Maximum Flow Maximum Pressure	NFPA 1906 (WATERAX) / Briggs & Stratton Vanguard, 23 HP 1136 lpm 13,8 bar
MULTI-STAGE 2-STAGE	Technical Features Maximum Flow Maximum Pressure	DAVEY 5213HE / Honda GX390E, 13 HP 680 lpm 12 bar
MULTI-STAGE 3-STAGE	Technical Features Maximum Flow Maximum Pressure	NFPA 1906 (WATERAX) / Honda/Robin, 13 HP 386 lpm 23,8 bar
MULTI-STAGE 4-STAGE	Technical Features Maximum Flow Maximum Pressure	NFPA 1906 (WATERAX) / Briggs & Stratton Vanguard, 18 HP 394 lpm 30,3 bar
DIAPHRAGM HIGH-PRESSURE	Technical Features Maximum Flow Maximum Pressure	ANNOVI REVERBERI AR 813 / Honda/Robin, έως 13 HP 80 lpm 50 bar

## STRATEGIC APPLICATION

**Single-stage pumps (High Flow)**  
Maximum flow rate - Immediate response

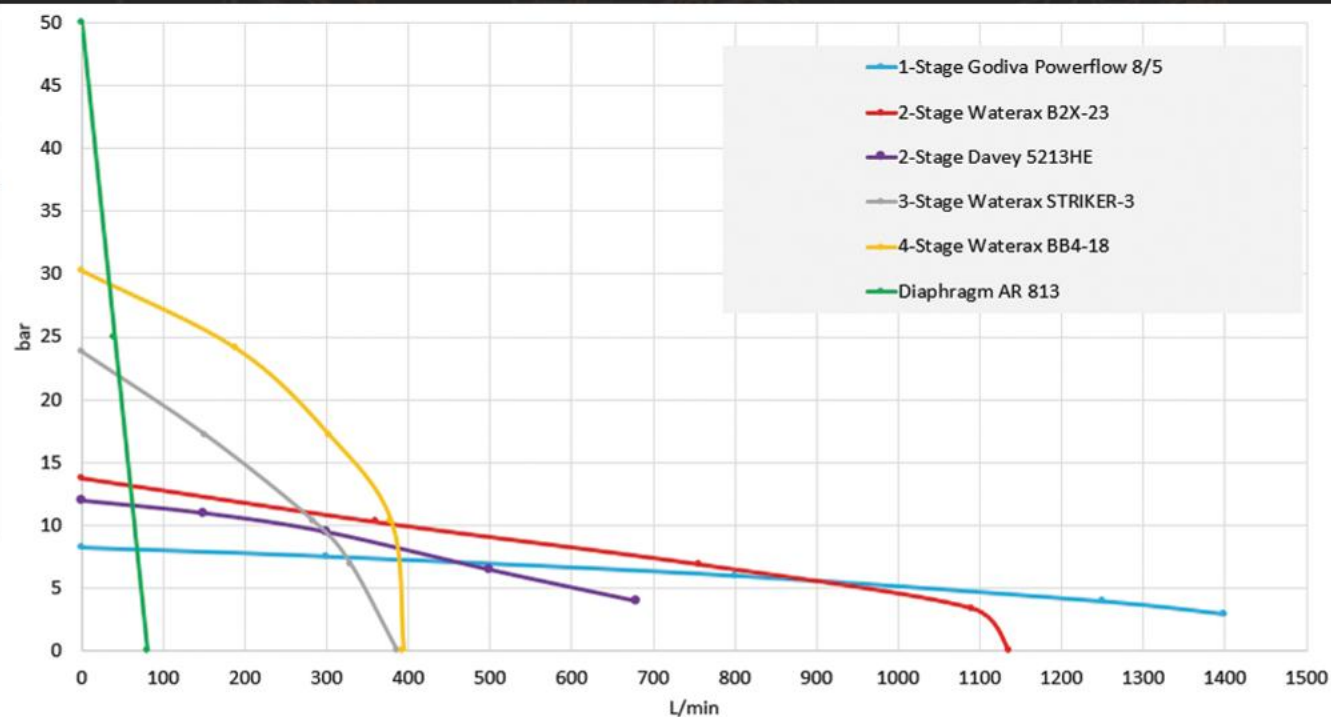
For rapid transfer of large volumes of water, ideal for wide-area coverage, large-scale firefighting operations, and tank filling

**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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