Skid unit with a piston pump

UTV High pressure



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UTV skid unit **with a piston pump** High pressure | Up to 200 bar Rapid intervention skid units designed for light UTV vehicles, equipped with piston pumps up to 200 bar

with a maximum flow of up to 42 L/min.

· High-quality components and great replacement part availability

- Resistant tanks made of polyethylene
- The best quality/price ratio
- 2 year warranty



What is included?						
Motor	Gasoline (13.5HP)					
Piston pump	42 L/min. at 100 bar 21 L/min. at 200 bar					
Quick attack winder	Equipped with a high-pressure hose					
Water tank	150 L 320 L					
Suction oversleeve	5 m long					
Foam-forming agent proportioner system	2.5mm injector					
Uses						
Wildland fires	Less recommended					
Container and vehicle fires	Recommended use					
Cleaning and unclogging	Recommended use					

1 Motor pump unit

Available options. 4-stroke gasoline combustion motors and 3-piston high-pressure volumetric pumps.



Motors	Power*	Pump	Max. pressure * *	Max. flow **	
B&S XR2100	13.5 HP	XWL 42.10 N	100 bar	42 L/min.	
B&S XR2100	13.5 HP	XW 21.20 N	200 bar	21 L/min.	

Gasoline motor.

* The nominal engine power indicated in this document is the net power tested on a production engine for the engine model pursuant to SAE J1940 (Briggs& Stratton) at a specific speed. This value may vary in mass produced motors. The actual output power of the engine installed on the end machine will vary depending on a number of factors such as the applicable engine operating speed, the environmental conditions, maintenance and other variables.

** These values are at direct pump outlet.

*** The power, pressure and flow values are valid in working conditions: temperature 25°C at sea level. **IMPORTANT:** Engine power will decrease 3.5% for every 300 meters above sea level and 1% for each 5.6°C above 25°C.





2 Water tank

Polyethylene tanks make the entire skid unit lighter. Vallfirest skid units with a polyethylene tank have an optimized design that provides a low center of gravity under the skid unit for greater vehicle stability. The shape can be adjusted to the dimensions of the loading area to optimize the available space.

• Made of polyethylene sheets via welding.

•2 longitudinal breakwaters to prevent water from moving to the side to ensure vehicle stability.

• 1-1/2" filling spout on the top with couplings (Barcelona, Storz, DSP or others) to fill the tank from a hydrant or exterior pressurized water source.

- 5" vent tower on the top.
- A water level indicator over connecting ducts.
- A 3/4" drain to empty the tank.
- Pump return connection to fill the tank by suctioning water from a non-pressurized external water source.
- The tank connects to the vehicle with lateral fixing points or over forklift profile tubes (optional).

• Black natural color.



Standard colors	Tank dimensions						
Black	Tank	A [mm]	B [mm]	C [mm]	D [mm]		
	150 L 320 L	840 840	1200 1200	210 415	64 64		

3 Components included

3.1 Control panel

Control panel with a pressure gauge and foam percentage adjustment knob.

TECHNICAL DATA

Baked paint coating

3.2 Winder

Made of anti-corrosive material with a manual starting crank and lock system.

TECHNICAL DATA • Capacity for 50 m long DN12 hose

3.3 Foam-forming agent proportioner system

Compact and easy-to-use, foam mixing with a proportional manual selector valve. Creates a stable mix of foam-forming agent in the water. Venturi effect "in line eductor" system which mixes water and foam-forming agent in the drive circuit.

3.4 Suction oversleeve

Clear flexible PVC spiral absorption oversleeve with rigid PVC spiral and smooth inner surface. Includes non-return foot valve and filter. Includes a Storz connector for connection to the Vallfirest skid unit.

TECHNICAL DATA

- Length: 5 m
- Oversleeve diameter: DN25 (1")
- Weight: 2.2 kg (DN25)

3.5 Hose

DN12 (1/2") or DN10 (3/8") rigid hose as per the pump model. Comprised of an inner layer of synthetic rubber reinforced with 1 metal mesh (R1AT) or 2 meshes (R2AT). Features a quick connection system for a multi-purpose water and foam nozzle.

TECHNICAL DATA

- Hose type as per the operating pressure:
- SAE 100 R1AT DN12 (1/2"): 160 bar operating pressure, 0.45 kg/m weight
- SAE 100 R2AT DN12 (1/2"): 275 bar operating pressure, 0.65 kg/m weight
- Ask for other hose lenghts

3.6 Multi-purpose nozzle

High-pressure and high-range nozzle for water and foam. With quick connection system.*

TECHNICAL DATA

- Maximum pressure: 250 bar
- Maximum flow: 45 L/min.
- Concentrated stream > ---
- Hollow cone/fog stream >
- Foam stream > <







4 Optional accessories

4.1 Nozzles

Water

High-pressure and high-range nozzle. Adjustable angle. Interchangeable ceramic nozzle tip and quick connection system.

TECHNICAL DATA

- Maximum pressure: 220 bar
- Maximum flow: 45 L/min.
- Concentrated stream >=
- Hollow cone/fog stream >

Foam

High-pressure and high-range nozzle. Adjustable angle. With quick connection system.*

TECHNICAL DATA

- Maximum pressure: 280 bar
- Maximum flow: 45 L/min.
- Concentrated stream >=
- Hollow cone/fog stream >





5 General dimensions









6 Configurations available

Ref. VFT	Tank	Motor	Battery and electric start	Power*	Pump	Max. Pressure**	Max. flow **	Approx dry weight	H,	H ₂
DVD0815-G63A0	150PP	B&S XR2100	NO	13.5 HP	XWL 42.10 N	100 bar	42 L/min.		780	360
DVD0815-G67A0	150PP	B&S XR2100	NO	13.5 HP	XW 21.20 N	200 bar	21 L/min.		780	360
DVD0832-G63A0	320PP	B&S XR2100	NO	13.5 HP	XWL 42.10 N	100 bar	42 L/min.		980	560
DVD0832-G67A0	320PP	B&S XR2100	NO	13.5 HP	XW 21.20 N	200 bar	21 L/min.		980	560

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