

vft black line pumps



Black Panther BP4

BP4 fire pump

Up to 26.2 bar and 370 l/min.

The **BP4** is a fire pump designed for rapid intervention in wildland fires that combines maximum power, small size and lightness. Thanks to an efficient 4-stage centrifugal pump and the new **Thor 130 Evo** motor from the Italian brand POLINI, it allows working with high flow and pressure at long distances and elevations.

It has a quick coupling system for the **VFT_4SP pump** that allows it to be replaced in the shortest possible time if a breakdown occurs. This pump is also used in the BH4-13, BH4-18 and BH4-23 fire pumps, which allows a better management of the spare parts stock.

- > Excellent power / weight ratio.
- > Components made of high quality aluminum and stainless steel.
- > Spare parts available through customer.service@vallfirest.com
- > With the best quality / price ratio.
- > 1 year warranty.

Applications

- Direct attack.
- Long hoses laid.
- Firefighting at great heights in mountainous areas.
- Tandem pumping for long distances.
- Parallel pumping for higher volumes.



Features

- Extremely light, compact and resistant.
- Ergonomic structure for comfortable hauling.
- Transport option with vft hose carrying backpack.
- Rope manual start system.
- Pump compatible with foam-forming agent.
- Automatic electronic stop to protect the pump from overspeed due to a loss of pump filling.
- VFT_4SP pump easily interchangeable thanks to a quick release clamp.
- Protective mechanisms in the exhaust and a motor cylinder to protect users from burns.
- Intuitive user interface with a LED panel.
- Built-in tachometer for hours / rpm.

Certified standards

2006/42/CE

UNE EN-14466:2006+A1 2009

UNE-EN 1028-2:2003+A1 2008



Technical specifications

Engine	Polini Thor 130
Centrifugal pump	VFT4SP 4 stage pump
Weight	22kg (dry)
Dimensions	Length: 53 cm. Wide: 33 cm. Height: 37 cm.
Maximum Pressure	26.2 bar
Maximum Flow	370 L/min

1. Polini Thor 130 Evo engine



High performance in a compact and light format.

Motor specifications	
Engine	2 strokes gasoline
Displacement	125 cm³
Refrigeration	Air
Starting system	Recoil Starter with backup manual rope starter
Carburator	Wallabro WG8
Ignition	Electronic
Dry weight	12,5 kg
Consumption	3,6 L/h

*The values have been detected on the sea level at standard atmosphere. The trust and consumption values may vary according to the air temperature and density.

2. 4-Stage centrifugal pump VFT_4SP

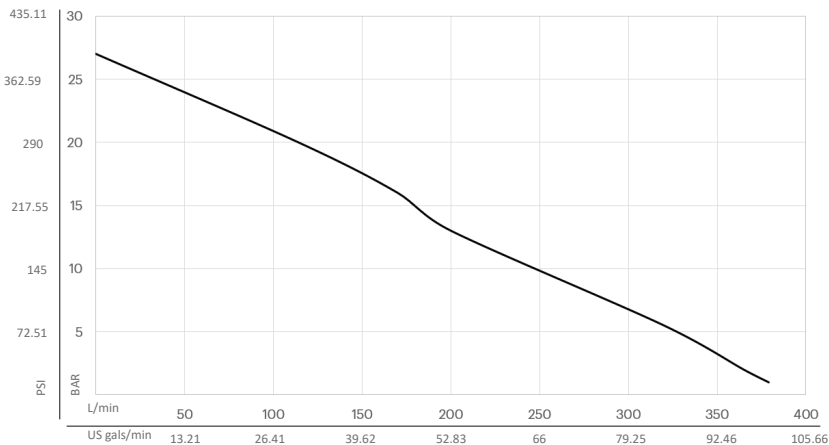


The VFT4SP is a compact, efficient and reliable 4-stage centrifugal pump. The body and impellers are made of anti-corrosive aluminum. The axis and other components are made of stainless steel. Includes a high-quality mechanical seal specifically designed for the Vallfirest pumps.

- Pump compatible with foam-forming agent.
- Compatible with fire pump models: **BH4-13, BH4-23 and BH4-18.**

VFT4SP Specifications	
Suction	2" NPSH
Impulsion	1,5" NPSH

3. BP4 Performance

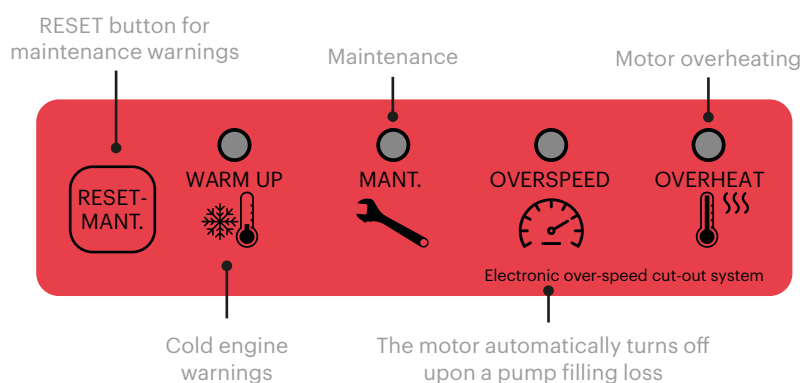


BP4 performace data	
Max. Flow	370 l/m
Max. Pressure	26.2 bar
Max. Water gauge	267 mH2O

Pressure		Flow	
[Bar]	[PSI]	[L/m]	[U.S. GPM]
15	217.55	180	47.5
10	145	245	65
5	72.51	325	85.9

4. User interface

LED indicators and control over the motor:

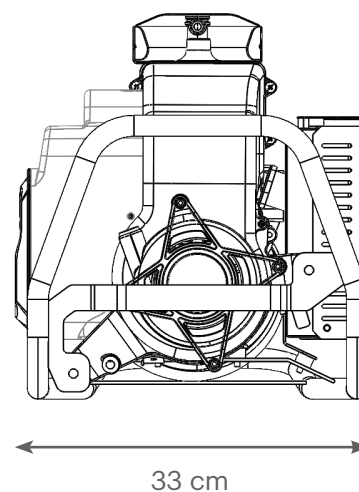
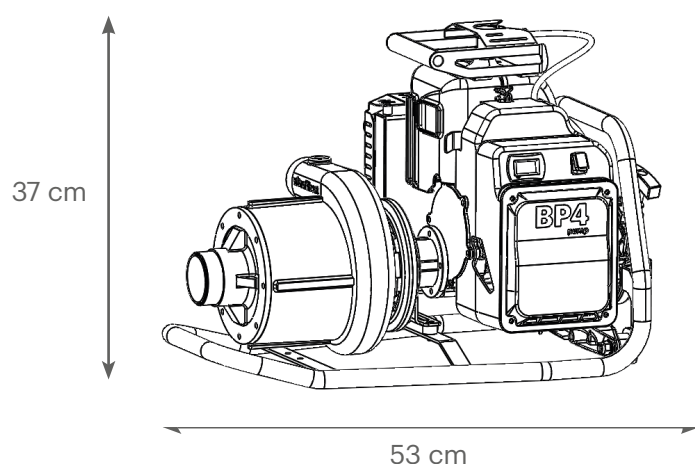


Tachometer RPM / Hours

On / off switch



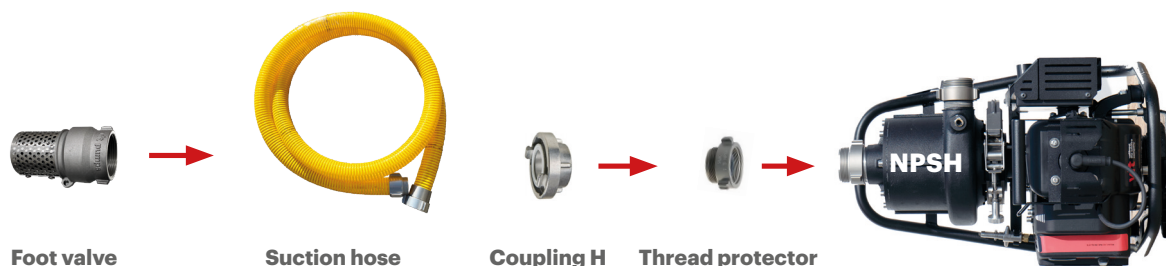
5. Dimensions



6. Required components for operation

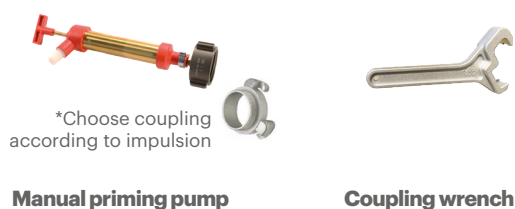
WATER SUCTION

A suction hose and foot valve are required to filter the water.



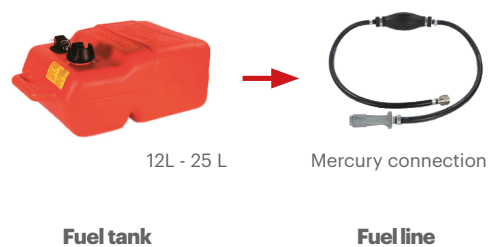
OPERATION

The fire pump is primed through the impulsion. A coupling wrench is required to tighten and loosen thread protectors / adapters.



FUEL FEEDING

An external fuel tank and connection line are required.

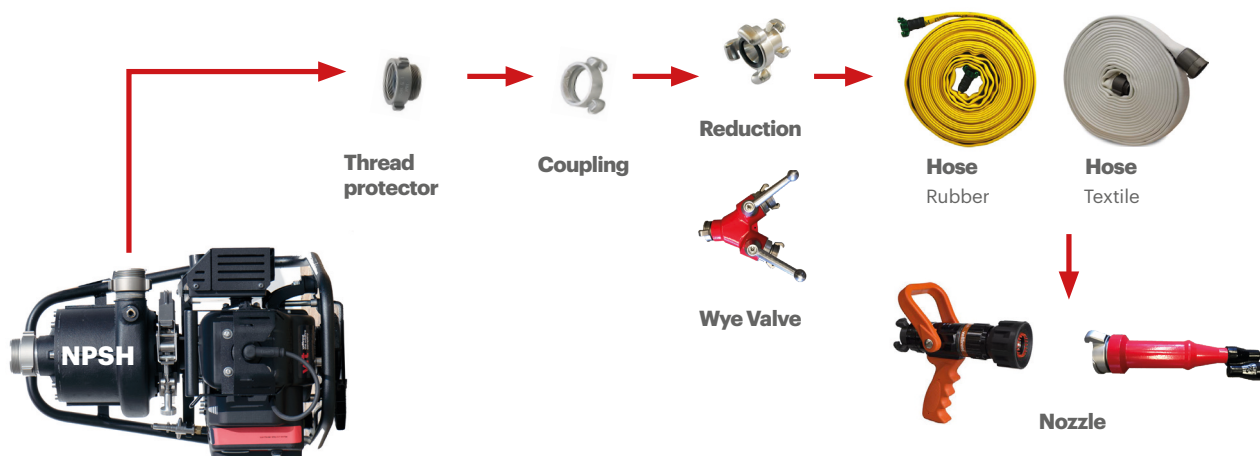


* See the different types of connection available: Chrysler, SAE, etc..

WATER IMPULSION

For the impulsion, choose the couplings according to the type of hose and the laying configuration: direct attack or connection in series or in parallel of several fire pump units.

* See our **Pump setup** sheet for more information.



7. List of components

Thread protectors

Necessary to protect the original threads of the pump and adapt the NPSH thread to any other type of thread, allowing the connection of other couplings.

DVD3107-00001	NPSH-NPSH 1-1/2"
DVD3107-00002	NPSH-BSP 1-1/2"
DVD3107-00003	NPSH-NH 1-1/2"
DED3108-00001	NPSH-NPSH 2"
DED3108-00002	NPSH-BSP 2"
DED3108-00003	NPSH-NH 2"



vft Pumps coupling wrench

Allows safe tightening and loosening of thread protectors and couplings.

DVD3112-00001



vft Foot valve

The foot valve with non-return system filters the water and allows the suction circuit and the pump to be primed.

DVD3105-00004	NPSH 2"
DVD3105-00005	BSP 2"
DVD3105-00006	NH 2"



Suction hose

Flexible wire reinforced suction hose.

DVD3102-00001	2" NPSH // L=3m
DVD3102-00002	2" BSP // L=3m
DVD3102-00003	2" NH // L=3m
DVD3102-00004	2" Storz 52-C // L=3m



Manual priming pump

Allows to manually prime the circuit.

DVD3104-00001	NPSH 1-1/2"
DVD3104-00002	BSP 1-1/2"
DVD3104-00003	NH 1-1/2"
DVD3104-00004	Storz 52-C
DVD3104-00005	BCN 45



Fuel tank

DED6001-00001	12L Tank
DED6001-00002	25L Tank



Fuel line

DVD3116-AAAOA	Fuel line 1/4" for tank (Mercury female - 1/4" NPT)
DVD3118-AAAOA	Extension fuel line kit 1/4" - Mercury connector



8. Optional accessories

Load-hauling backpacks

Resistant and light aluminum structure, with padded harness for transporting the fire pump, fuel tanks, hoses and accessories.

- BVBO403-AAA0A** vft Hose carrying backpack
- BVBO404-AAA0A** vft Hose Carrying Backpack without transport bag



vft Pump repair kit

Includes different tools for the disassembly and assembly of the 2, 3 and 4 stage vft pumps.

- BVBO404-AAA0A** Repair kit for 2, 3 and 4 stage vft pumps



Hose choke

Tool that allows to quickly cut off the water flow to carry out operations such as, for example, lance changes or adding and removing hoses during direct attack.

- DVD3120-00001** Hose choke FC-2540
- DVD3120-00001** Textile hose choke



Protection base

Folding base made of resistant and waterproof canvas. It serves as protection for the fire pump in aggressive terrain and to contain tools and accessories during operation.

- DVD3114-00001** Protection base



*See the price list to know all the components available depending on the threads, coupling types, diameters, etc. In case of doubt, contact your commercial agent or directly with customer.service@vallfirest.com.

Do you have any doubt? Contact us: customer.service@vallfirest.com | T. +34 938 678 779