



General description

The main goal for the development of the FloodModule, was creating a mobile unit providing flood relief on a large scale, driven by a Hytrans HydroSub unit.

A flexible add-on system

The FloodModule is an add on system to the HydroSub 150 or Hydrosb 250. By replacing the standard submersible pump (mostly used for firefighting) with FloodPumps the system can deliver up to 50.000 liters per minute, depending on the configuration.

The FloodModule consists of two or three submersible FloodPumps, multiple lightweight 12" (300 mm) FloodHose and hydraulic manifolds to connect the multiple FloodPumps to a single HydroSub. For the HydroSub 150 and HydroSub 250, all this is carried in a mini container that fits on the Hytrans Container system.

The special low-friction and lightweight 12" FloodHose can easily be deployed by only one person. The separate hose lengths are connected using a simple patented coupling with a closing strap. Each FloodModule contains FloodHoses. The exact specifications can be found on the back of this brochure.

Powerful flood relief

Hytrans' Flood Solutions are not only used during severe floodings, but are increasingly used to prevent flooding and flood damage. Lower reservoir levels in advance and redirect upstream water to ease pressure on dikes, dams, and barriers, helps to prevent breaches and major flooding.

Capacities

HydroSub 150 : 50.000 lpm

HydroSub 250 : 30.000 lpm



Scan for more info

Dimensions & weight

Dimensions: approx. 4200 / 1060 / 1840 mm

Weight FM 150 : approx. 1580 kg

Weight FM 250 : approx. 1500 kg



FloodPump in demountable frame



FM150 Hydraulic manifold with quick release couplings

FloodModule 150/250 features

- Basic skid container
- Helicopter lift-eyes
- Add on system to HydroSub 150 or HydroSub 250
- Suitable for hookarm handling
- Simple strap coupling on lightweight FloodHose

FloodPump specifications

Material of the FloodPump and impeller are aluminium. The frame is made of stainless steel.

- Weight FloodPump: approx. 91 kg
- Dimensions (operational incl. floaters): 690 x 710 x 870mm (LxWxH)
- Pump outlet: 10" MultiLug coupling

FloodModule content

	FloodModule 150	FloodModule 250
Flood pumps in demountable frame with floater	3 x	2 x
Maximum system capacity at low pressure	50.000 lpm or 13.200 GPM	30.000 lpm or 7900 GPM
12" light weight Flood Hose	3 x 70 mtr	2 x 100 mtr
Hydraulic manifolds with quick release couplings	1 set	1 set
Glass fibre road plates / hose ramps	4 x	4 x
MultiLug connection pieces	3 x	2 x
Pressure regulating end pieces	3 x	2 x
MultiLug coupling spanner	1 x	1 x
Flood Hose repair set	1 x	1 x

Mobile water transport system

Besides the FloodModule and HydroSub units, Hytrans supplies additional equipment to complement the Hytrans water transport system.

HoseLayerContainers for the fast deployment of thousands of meters Super Large Diameter hoses up to 12-inch.

The **HoseRecoveryUnit (HRU)**.
An automatic hose pick-up system to recover hoses fast with minimal manpower.

Hoses and hardware. Large diameter hoses, Y-pieces, gate valves and all other equipment needed to lay-out a complete and temporary aboveground water distribution system in no time.


Contact us for more information.



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