

# IRM® - 6 WATER MANAGER

Industrial rainwater system with double self-priming centrifugal pump



rethinking water



## PRODUCT DESCRIPTION

The IRM®-6 Watermanager is a complete system for soil setup with IRM® control, integrated disconnection tank and built-in double self-priming pump installation. The IRM® controller controls the water levels in the disconnect tank and the large rainwater well. The control also provides for a cascade control and a service hour regulation for the pumps. In the absence of rain water, system failure or manual operation, the system switches to drinking water from the disconnect tank. The drinking water is topped up in the disconnect tank via a special proportional float. Content 2 x 9 liters. This is reliable, via a type AB break, in accordance with EN1717 and the device is therefore certified with the Belgaqua and KIWA certificate. The switch to drinking water can also be done manually.

The disconnect tank is equipped with a stagnation protection that automatically refreshes the water in the appliance. The frequency of this is freely adjustable. The potential-free contact enables connection to domotics and building management systems. The IRM®-6 Watermanager is also equipped with an automatic filter cleaner control that automatically cleans the Trident rainwater filter. Finally, the backflow protection of the Trident rainwater filter can be connected to the IRM®-6 Watermanager so that when it returns back from the sewer it switches to safe drinking water.

## SCOPE

For the use of filtered rainwater in non-residential buildings and commercial buildings. The IRM®-6 Water Manager must be installed near the rainwater tank, up to 15 meters. Unless a supply pump is used.



## TECHNICAL DATA

Width A in mm:	550
Depth B in mm:	650
Height C in mm:	850
Weight (empty) in kg :	60
Weight (full) in kg:	78
Suction pipe D:	2 x 1" bi
Pressure line E:	1 1/4"
Emergency overflow F in mm:	2 x Ø75
Drinkwater G:	2 x 3/4" bu
Display:	LCD

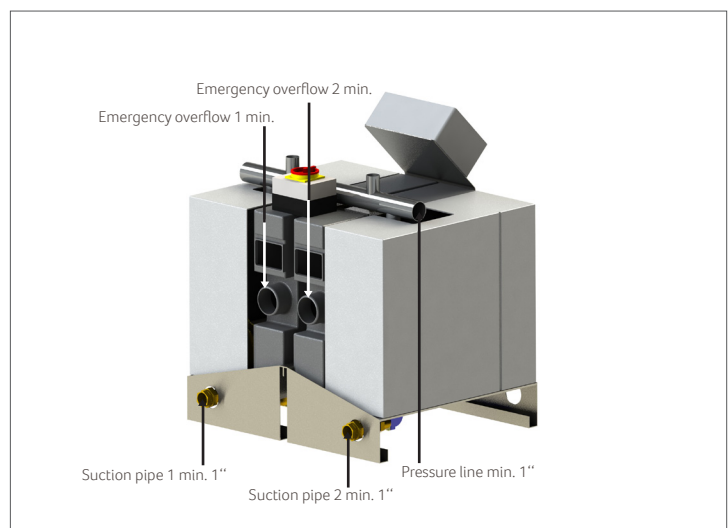
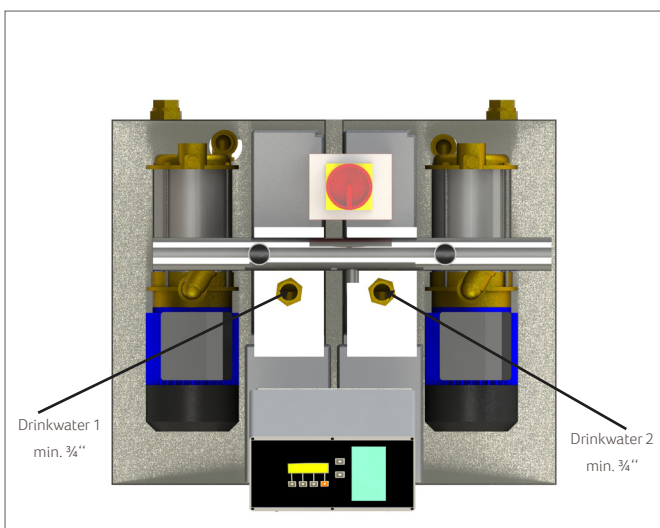
## TECHNICAL SPECIFICATIONS

float cable in m:	20
Power in Watt:	1.600
Max. debiet in liter/min:	120
Max. raising height in m:	35
Voltage:	230V / 50Hz
Material cover:	PS
Material breaktank:	PE
Material console:	Galvanized steel
Connection GBS:	Potential free

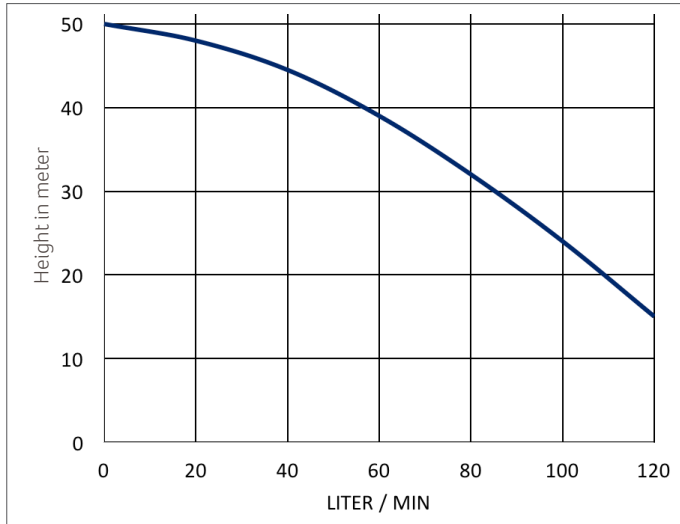
## MATERIAL

Housing:	Gemoffeld staal
Breaktank:	HPDE
Drinking water connection:	Messing
Supply pump connection:	Messing
Connection on the pressure:	RVS
Fans:	RVS
Pump housing:	RVS
Motor housing:	RVS
Air separator and guide wheel:	PPO (noryl)
Electro cable pump:	3 aderig 1,00 mm² H07Rn8F

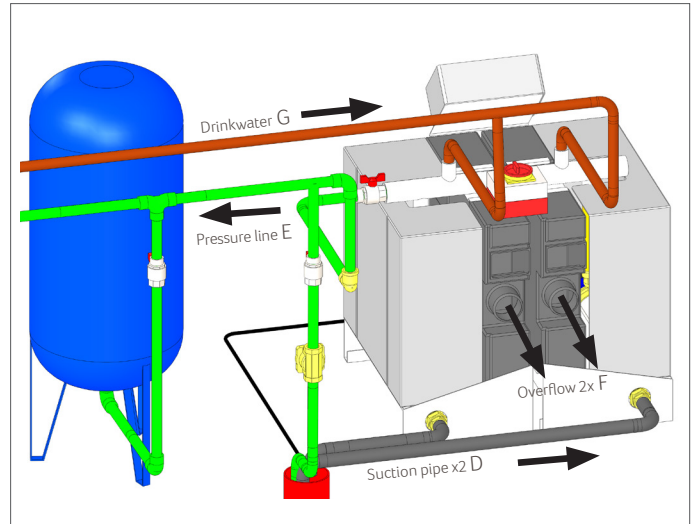
## TECHNICAL DRAWINGS



## PUMP CHARACTERISTIC



## CONNECTION DIAGRAM



## OPTIONS

Level sensor with 20 meters of cable  
With this sensor it is possible to display the current water level in the rainwater tank on the control unit.

Automatic time-controlled filter cleaner 1 "  
Time-controlled filter cleaner enables automatic filter cleaning. The nozzle will clean the filter surface at freely adjustable times.

Water lock 3/4 "including detection point  
Always close the drinking water supply during an overflow alarm to prevent water loss. This makes it possible to mount the device without connecting the overflow.

Backflow sensor  
This registers an alarm signal from the sewer level, after which the IRM@ system switches to drinking water and activates an alarm signal.

Supply pump  
Supply pump provides the supply of rainwater to the Water Manager. Type depends on desired flow rate and on the distance (> 15m) and the Höhe (> 3m) between the Watermanager and rainwater well.

Pressure vessel  
Pressure vessels give the switching behavior of the pumps a calmer character, which benefits the life and energy consumption of the pumps.

## SCOPE OF DELIVERY

Product consists of: IRM@-6 Water manager and installation instructions

## ORDERING INFORMATION

Art nr	NAME	PG
402601	IRM@-6 Watermanager	4
402710	Level sensor with 20 meters of cable	4
402251	Automatic time-controlled filter cleaner 1 "	4
402124	Water lock 3/4 "including detection point	4
401158	Backflow sensor	4

For supply pumps see the GEP specification sheet

For pressure vessels see the GEP specification sheet

