

# IRM®- 25 WATERMANAGER

Industrial rainwater system with double pumps and supply pump



rethinking water



## PRODUCT DESCRIPTION

The IRM®-25 Watermanager is a plug-in, compact installation for rainwater use in residential complexes, commercial and public buildings. The break tank for drinking water supply is in accordance with EN1717 type AA. Content 200 liters. IRM®-25 Watermanager has a double self-priming centrifugal pump. A supply pump serves for the supply of rainwater from the rainwater tank in the break tank. In the absence of rainwater, the break tank is filled with drinking water by means of a 1 "solenoid valve.

The IRM®-25 Watermanager is provided with a steel casing and must be installed in a frost-free, dry room with drainage on the ground, for example a scrubbing well. Pressure and status display of the system is clear, in four languages, shown on the LCD display. Control is equipped with a turn-hour control, with data log, and control of the automatic filter cleaner (option).

## ANWENDINGSGEBIET

The system is applicable for the use of filtered rainwater for toilet flushes and other applications for which no drinking water quality is required, within utility buildings and commercial buildings.

## TECHNICAL DATA

Width in mm:	800
Depth in mm:	730
Height in mm:	1.680
Weight (empty) in kg.:	165
Weight (full) in kg.:	335
Pressure line:	2" bu
Drinking water connection:	6/4" bu
Supply pump:	2" bu
Emergency overflow in mm:	100

## TECHNICAL SPECIFICATIONS

Voltage in V:	400
Power in Watt:	3.540
Max. flow in liters / min:	416
Max. increaseHeight in m:	48

## 25-50

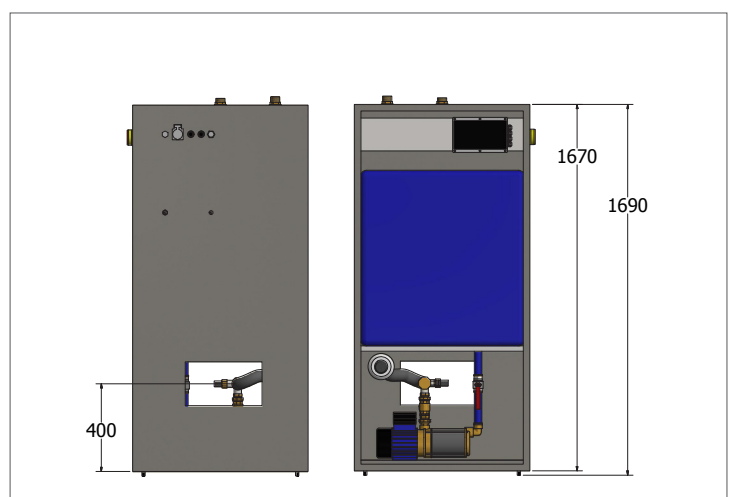
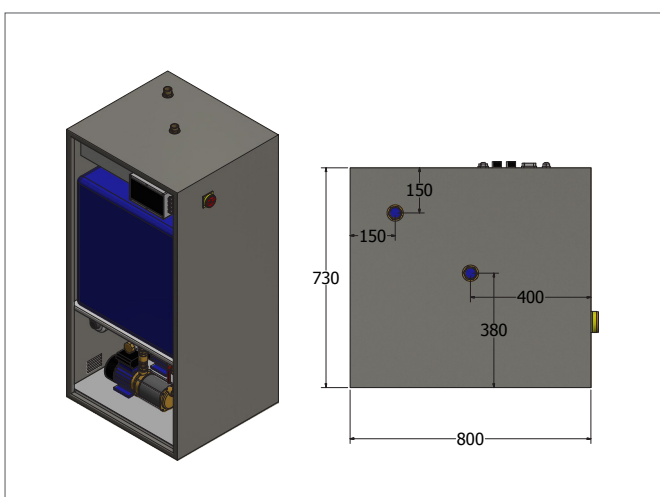
Voltage in V:	400
Power in Watt:	6.360
Max. flow in liters / min:	416
Max. increaseHeight in m:	84

## 25-80

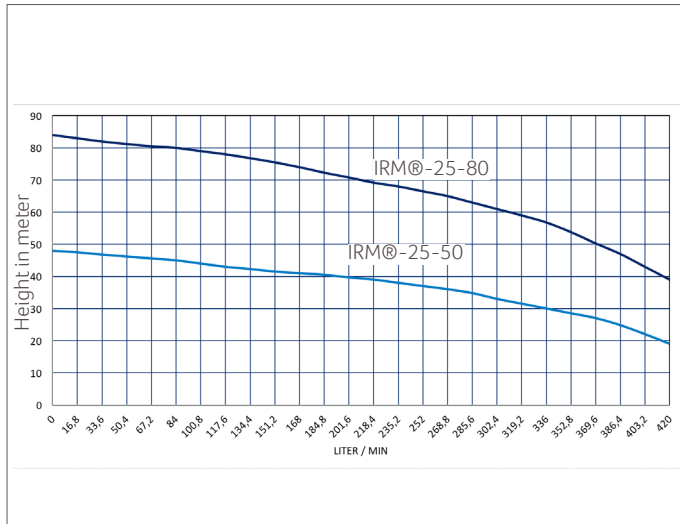
## MATERIAL

Housing:	Gemoffeld staal
Breaktank:	HPDE
Drinking water connection:	Messing
Supply pump connection:	Messing
Connection Pressure side:	RVS
Fans:	RVS
Pump housing:	RVS
Motor housing:	RVS
Air separator and guide wheel:	PPO (noryl)

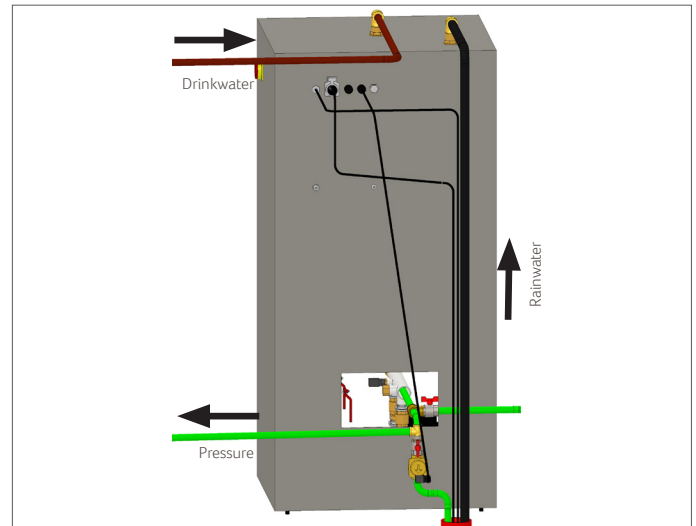
## TECHNICAL DIAGRAMS



## 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 1" 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.

**Antihevelset**  
In places where the break tank is lower than the rainwater tank, an anti-hull set must be placed in the feed pump line.

**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 Height (> 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@-25-50 Watermanager / IRM@-25-80 Watermanager and installation instructions.

## ORDERING INFORMATION

Art nr	NAME	PG
402617	IRM@-25 Water Manager 25-50	4
402618	IRM@-25 Water Manager 25-80	4
402711	Level sensor with 20 meters of cable	4
401251	Automatic time-controlled filter cleaner 1"	4
402125	Water lock 1" including detection point	4
401158	Backflow sensor	4
402713	Anti-vibration set IRM@ 25	4

For supply pumps see the GEP specification sheet

For pressure vessels see the GEP specification sheet

