

IRM®- 18 WATERMANAGER

Industrial rainwater system with double pumps and supply pump



rethinking water



PRODUCT DESCRIPTION

The IRM®-18 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. The IRM®-18 Water Manager has a double self-priming centrifugal pump (RC-8 or RC-9). 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, in which case the pumps suck drinking water from this tank.

The IRM®-18 Watermanager is provided with 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).

SCOPE

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
Gewicht (leeg) in kg.:	150
Weight (full) in kg.:	310
Pressure line:	6/4" bu
Drinking water connection:	5/4" bu
Toevoerpomp:	5/4" bu
Emergency overflow in mm:	100

TECHNICAL SPECIFICATIONS

Voltage in V:	230
Power in Watt:	3.300
Max. flow in liters / min:	300
Max. increaseHeight in m:	50
Number of fans:	4
Capacitor in µF:	25

18-50

Voltage in V:	230
Power in Watt:	3.300
Max. flow in liters / min:	300
Max. increaseHeight in m:	50
Number of fans:	4
Capacitor in µF:	25

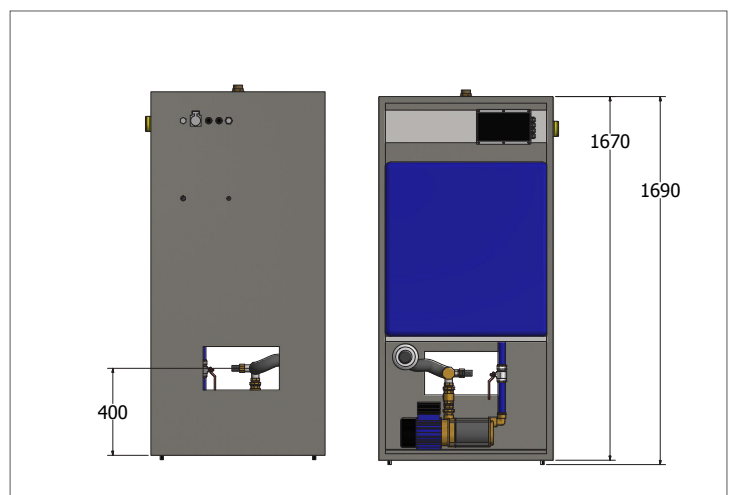
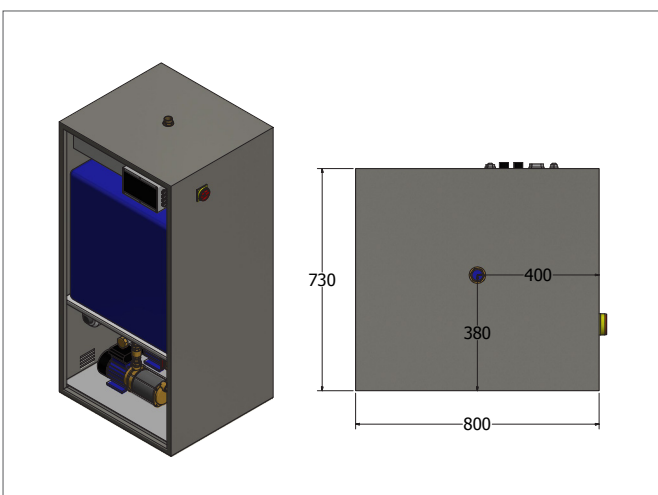
18-60

Voltage in V:	230
Power in Watt:	4.000
Max. flow in liters / min:	320
Max. increaseHeight in m:	62
Number of fans:	5
Capacitor in µF:	40

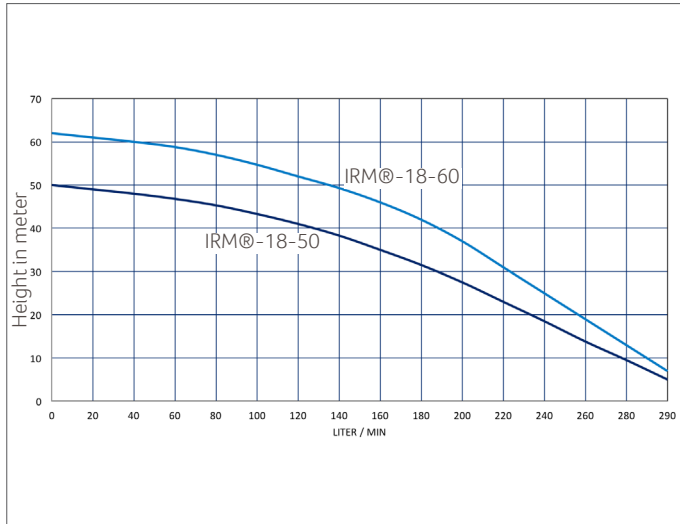
MATERIAL

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)
Electro cable pump:	3 aderig 1,00 mm² H07Rn-F

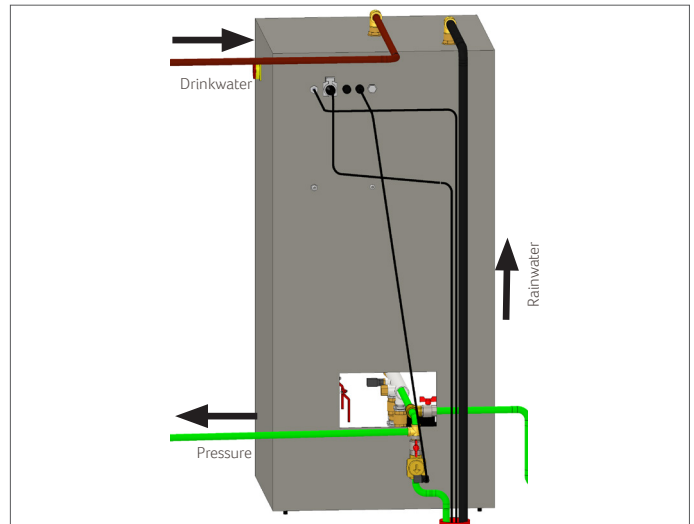
TECHNICAL DIAGRAMS



PUMP CHARACTERISTIC



CONNECTION DIAGRAM



OPTIONS

Füllstandssensor mit 20 Meter Kabel
Mit diesem Sensor kann der aktuelle Wasserstand im Regenwassertank am Steuergerät angezeigt werden.

Automatischer zeitgesteuerter Filterreiniger 1 "
Zeitgesteuerter Filterreiniger ermöglicht automatische Filterreinigung. Die Düse wird die Filteroberfläche zu frei einstellbaren Zeiten reinigen.

Wasserschloss 1 " inklusive Detektionspunkt
Schließen Sie die Trinkwasserversorgung immer während eines Überlaufalarms, um Wasserverluste zu vermeiden. Dies ermöglicht es, das Gerät ohne Verbindung des Überlaufs zu montieren.

Rückflusssensor
Dies meldet ein Alarmsignal von der Kanalebene, wonach das IRM@-System auf Trinkwasser umschaltet und ein Alarmsignal auslöst.

Antiheldensatz
An Stellen, an denen der Bremstank tiefer als der Regenwassertank ist, muss ein Antirumpf-Satz in der Förderpumpenleitung platziert werden.

Versorgungspumpe
Die Versorgungspumpe versorgt den Wassermanager mit Regenwasser. Typ ist abhängig von der gewünschten Durchflussmenge und von der Entfernung (> 15m) und der Höhe (> 3m) zwischen Wassermanager und Regenbrunnen.

Druckbehälter
Druckbehälter verleihen dem Schaltverhalten der Pumpen einen ruhigeren Charakter, was den Lebensdauer- und Energieverbrauch der Pumpen begünstigt.

SCOPE OF DELIVERY

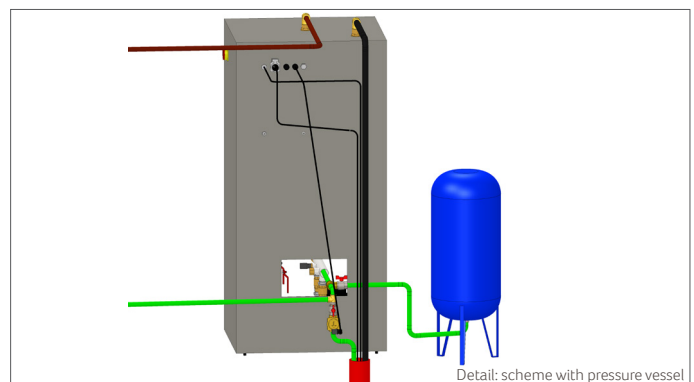
Product consists of: IRM@-18-50 Watermanager / IRM@-18-60 Watermanager and installation instructions.

ORDERING INFORMATION

Art nr	NAME	PG
402611	IRM@-18 Water manager 18-50	4
402612	IRM@-18 Water manager 18-60	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 alarm for Trident filters	4
402713	Anti-mist set IRM@ 18	4

For supply pumps see the GEP specification sheet

For pressure vessels see the GEP specification sheet



Detail: scheme with pressure vessel