

DOMINATOR 5

RW Pack

RAINWATER SYSTEM



SUBMERSIBLE MULTI-STAGE STAINLESS STEEL
PUMPS FOR RAINWATER STORAGE TANKS
STARITE.IT

THE PISA PLANT BECOMES 100% GREEN.



Thanks to the development of a sophisticated photovoltaic system on the rooftop of the building, the Pentair Water plant in Pisa has become the first plant to produce **100% of the energy needed for its production activities.**

4100 solar panels that generate up to **1,280,000 kWh** each year have been installed on a surface area of 11,000 m².

One of the greatest advantages includes a reduction of CO₂ emissions equal to **678 ton/year**. Our customers can rest assured that products developed in the Pentair Water plant in Pisa are

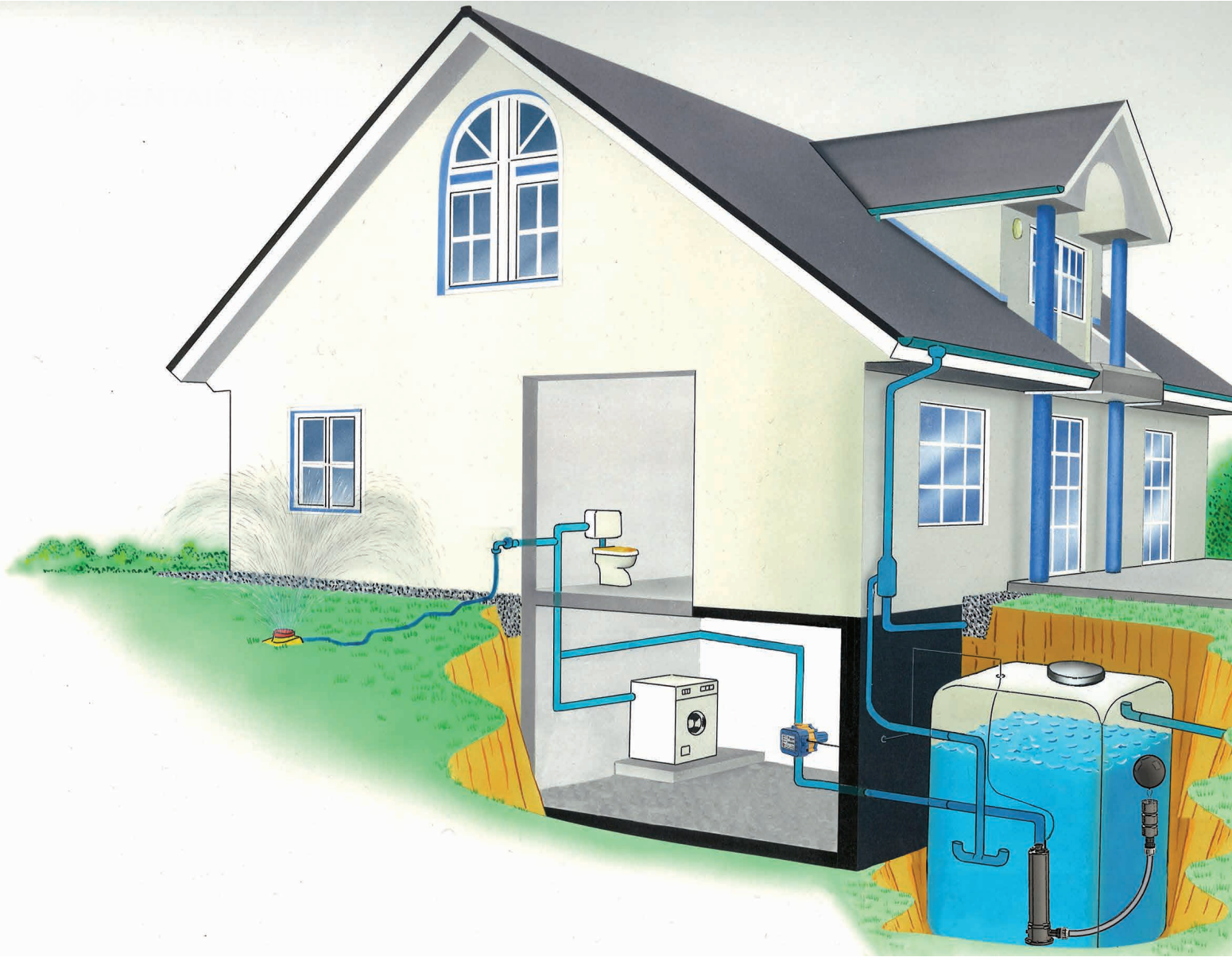
completely made using renewable energy.

The remarkable results achieved by the installation of the solar panels can be seen in real time on the various screens located throughout the plant.

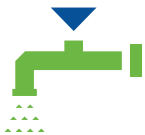
All activities performed at the plant in Pisa are continuously improved, aiming towards maximum energy savings and minimum environmental impact. In light of the initiatives undertaken and future plans, we can certainly say that Pentair Water is a leader in the

management of its business, characterized by:

- Maximum environmental friendliness
- Maximum energy savings
- Improved safety conditions for workers
- Maximum respect for health



DISCOVER THE NEW RAINWATER SYSTEM



Reduce your main water consumption with Pentair rw pack and make your home green by using rain water for irrigation, toilet flushing and washing machines.

Innovate with pentair means gain important benefits:

- Less operating costs
- Water recovery and reuse
- Built-in payback

Make your green building and conserve the most important natural resource, reducing the energy consumption.

DOMINATOR 5 RW Pack

ELECTRIC MULTI-STAGE SUBMERSIBLE PUMPS

100% stainless steel. DOMINATOR 5 RW Pack is a water system with submersible multistage centrifugal pump complete with on/off control device as suction pipe, floating filter and 20m Nylon suspension cord. Ready to plug and pump for rainwater utilisation.

APPLICATIONS

- Pumping from wells and rainwater storage tanks
- Small automatic garden irrigation systems
- Rain water recovery systems
- Gravity irrigation systems

USAGE LIMITATIONS

- Type of liquid: clean water without suspended solid bodies or abrasive material.
- Maximum liquid temperature: 40°C.
- Maximum immersion below water level: 17 m.

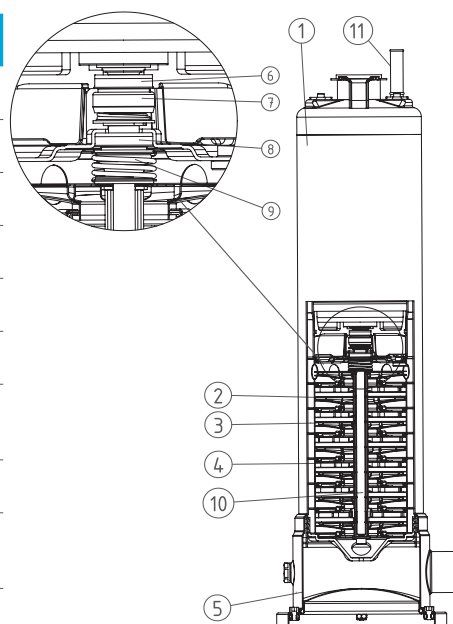
MOTOR

- Dry motor with stainless steel body cooled by pumped liquid.
- Protection rating IP 68.
- Insulation class F.
- Single phase power supply with permanently activated capacitor.
- Thermal cutout protection incorporated in motor winding.
- Fully insulated cable connection chamber.
- Self-lubricating ball bearings.
- Rotation speed 2850 rpm.
- Suitable for continuous duty.

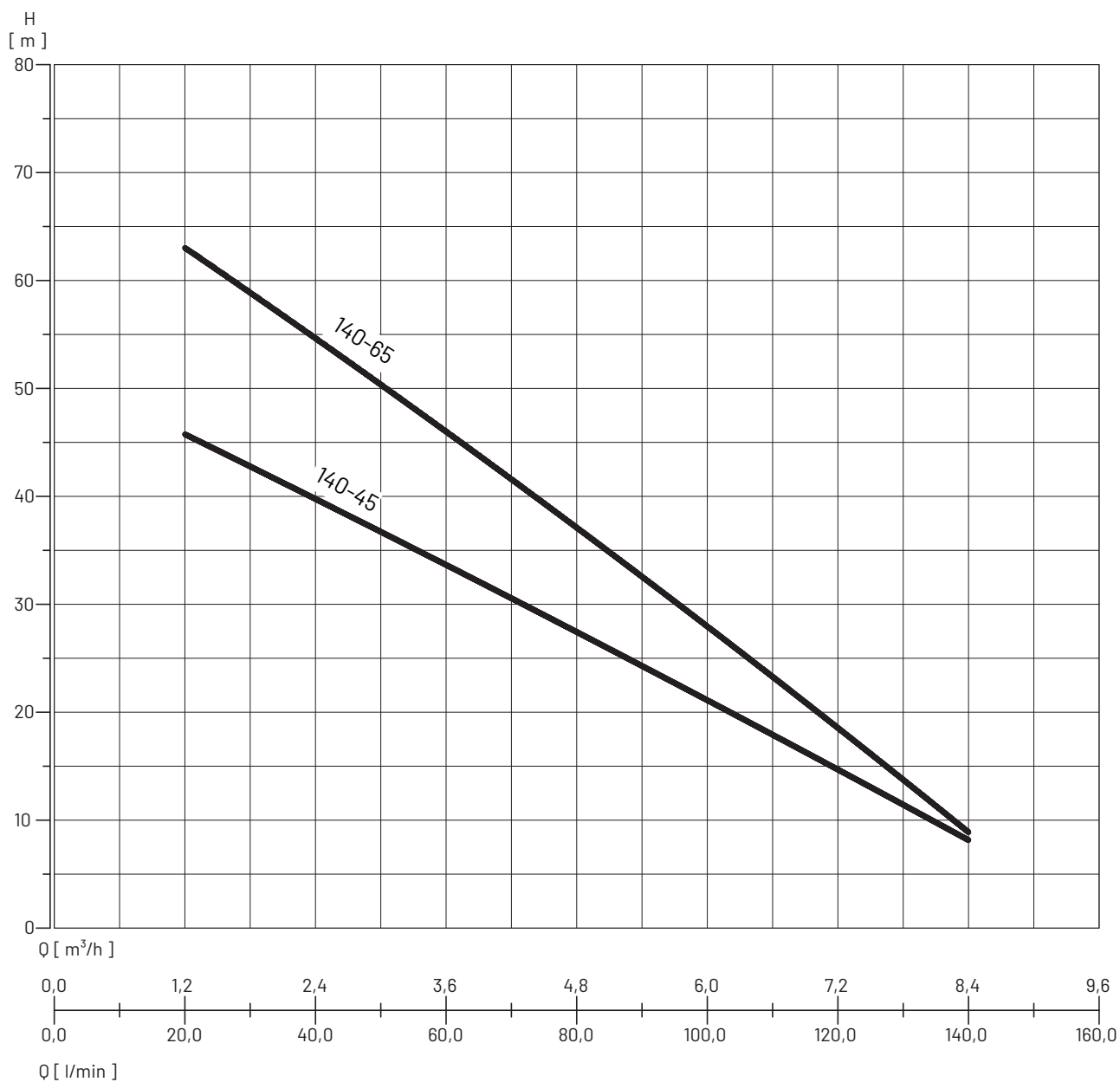


TABLE OF MATERIALS

N.	COMPONENTS	MATERIALS
1	PUMP BODY	Stainless steel Europe: EN 10088-1 X5CrNi18-10 (1.4301) - USA: AISI 304
2	IMPELLERS	Stainless steel Europe: EN 10088-1 X5CrNi18-10 (1.4301) - USA: AISI 304
3	DIFFUSERS	Stainless steel Europe: EN 10088-1 X5CrNi18-10 (1.4301) - USA: AISI 304
4	SPECER	Stainless steel Europe: EN 10088-1 X5CrNi18-10 (1.4301) - USA: AISI 304
5	BASE	Stainless steel Europe: EN 10088-1 X5CrNi18-10 (1.4301) - USA: AISI 304
6	MECHANICAL SEAL - STATIONARY PART OIL CHAMBER	Aluminium oxide / NBR
7	MECHANICAL SEAL - ROTARY PART OIL CHAMBER	Stainless steel Europe: EN 10088-1 X5CrNi18-10 (1.4301) - USA: AISI 304 / NBR / Carbon graphite resin impregnated
8	MECHANICAL SEAL - STATIONARY PART	Aluminium oxide / NBR
9	MECHANICAL SEAL - ROTARY PART	Stainless steel Europe: EN 10088-1 X2CrNiMo17-12-2 (1.4404) - USA: AISI 316L / NBR / Carbon graphite
10	MOTOR SHAFT	Wet side - Stainless steel Europe: EN 10088-1 X5CrNi18-10 (1.4301) / USA: AISI 304 Motor side - carbon steel
11	POWER CABLE	Type H07 RN-F - length 20 m

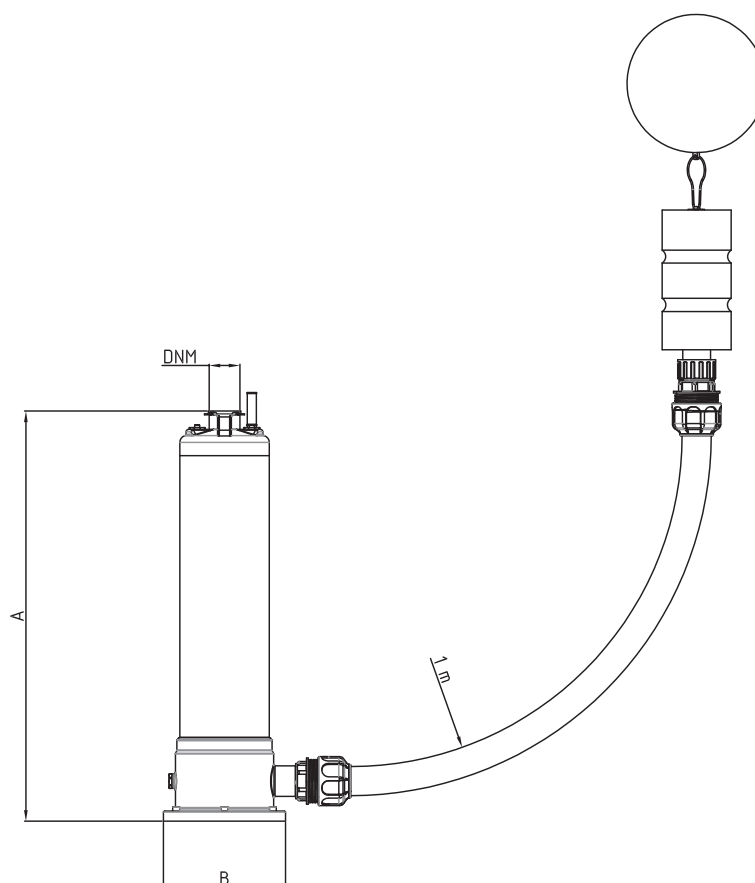


HYDRAULIC PERFORMANCE



PERFORMANCE TABLE

MODEL	Power Motor (P2)		Power Motor (P1)		VOLTAGE (V)	In (A)	µF	STAGES	Q	l/min	20	40	60	80	100	120	140
	HP	kW	HP	kW						m³/h	1,2	2,4	3,6	4,8	6	7,2	8,4
DOMINATOR 5 140/45B M RW Pack	1,2	0,9	1,8	1,3	1 ~ 230	6	16	5	m.c.a. / m.w.c.	47	38	33	28	22	15	7,5	
DOMINATOR 5 140/65B M RW Pack	1,6	1,2	2,2	1,7	1 ~ 230	7,7	20	7		63	55	45	38	28	19	9	



OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions (mm)				Weight (kg)
	A	Ø C	DNM	Free passage	
DOMINATOR 5 140/45B M RW Pack	540	176,5	1"1/4 female	2	20,4
DOMINATOR 5 140/65B M RW Pack	594	176,5	1"1/4 female	2	22

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