

# PRODUCTION PROGRAM

Solutions for every applications



# A LEADER IN WATER TECHNOLOGY

The Pentair Group is a world leader in the design and production of innovative products and systems used everywhere for the treatment, handling and storage of water.

The Group bases its activity and success on values such as constant improvement, continuous development of new product, high performance, skills, corporate ethics and market leadership. The Pentair personnel shares personal values such as seriousness, deep respect for people and the environment and a practical, correct method of working. The solid relationship with the Customers and the high standards of quality allow Pentair to be one of the main producers of technologies and instrumentation for the treatment of water.



## **FIRE FIGHTING SYSTEMS AND PRESSURIZATION SYSTEMS**

Vertical and horizontal centrifugal pumps. Complete systems for the transfer and pressurization of water. Fire fighting systems.



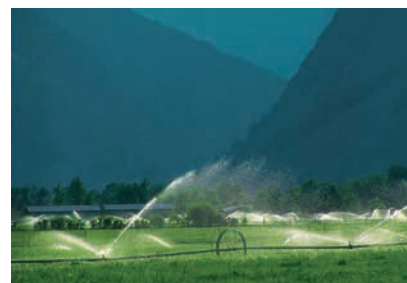
## **ELECTRICAL PUMPS FOR RESIDENTIAL USE**

Submersible pumps, self-priming pumps, multi-stage centrifugal pumps and compact pumping systems for water supply to private homes for irrigating gardens and rainwater collection.



## **ELECTRICAL PUMPS FOR DRAINING**

Pumps to transfer fresh water, dirty water, for waste water and sewage. Pumps for numerous applications (water of basins, cisterns, pumping stations).



## **ELECTRICAL PUMPS FOR OPEN AND DRILLED WELLS**

Submersible pumps for irrigation and the pumping of underground water.

## MULTI EVO / MULTI EVO-A / MULTI EVO-SP

### CENTRIFUGAL MULTISTAGE PUMPS

#### HYDRAULIC EFFICIENCY



Multi EVO, Multi EVO-A and Multi EVO-SP are horizontal multistage centrifugal electric pumps. The innovative, high-efficiency hydraulic system is connected to a latest generation motor with mechanical seal.



APPLICATIONS	Q Max	H Max	TYPE
PRESSURIZATION AND WATER SUPPLY SPRINKLING	12 m <sup>3</sup> /h	69 m	MULTI EVO
RAIN WATER UTILISATION IRRIGATION	12 m <sup>3</sup> /h	71 m	MULTI EVO-A
CLEANING SYSTEMS	7 m <sup>3</sup> /h	57 m	MULTI EVO-SP

## FP/MULTI EVO

### PUMPS WITH ELECTRONIC CONTROL & PROTECTION DEVICE

#### READY TO USE - LOW MAINTENANCE



Automatic unit to increase pressure in domestic water supply system and irrigation system. Composed of a single phase electric pump type Multi EVO-A and the FLUSSCONTROL BASIC electronic device, which regulates the automatic operation of the pump and protects it if there is a lack of water.



APPLICATIONS	Q Max	H Max	TYPE
LIFTS AND DISTRIBUTES WATER IN DOMESTIC SYSTEMS PRESSURIZATION SYSTEMS IRRIGATION CLEANING SYSTEMS	7 m <sup>3</sup> /h	56 m	FP/MULTI EVO

## MULTI EVO-E / MULTI EVO-E P

### CENTRIFUGAL MULTISTAGE PUMPS WITH INVERTER

#### LESS ENERGY CONSUMPTION - SILENT OPERATION



The system is composed of a Multi EVO-E horizontal multistage electric centrifugal pump and a CPS electronic control system (inverter), which allows the pressure to be maintained constant in the system, reducing or increasing the electric pump motor rotation speed. Version with plastic pump casing available, Multi EVO-E P.



APPLICATIONS	Q Max	H Max	TYPE
PRESSURIZATION AND SUPPLY	12 m <sup>3</sup> /h	70 m	MULTI EVO-E
CLEANING SYSTEMS			
IRRIGATION	7,2 m <sup>3</sup> /h	54,5 m	MULTI EVO-E P

## WP/MULTI EVO-A

### PRESSURE BOOSTER SET WITH HORIZONTAL PRESSURE TANK

#### READY TO USE - HIGH RELIABILITY



WATERPRESS pressure booster sets are made with self-priming centrifugal multistage electric pumps Multi EVO-A. They are supplied wired, complete with 24 l or 50 l pressure tank.



APPLICATIONS	Q Max	H Max	TYPE
LIFTS AND DISTRIBUTES WATER IN DOMESTIC SYSTEMS	7 m <sup>3</sup> /h	56 m	WP/MULTI EVO-A
PRESSURIZATION SYSTEMS			
CLEANING SYSTEMS			
IRRIGATION			



## EASY20/MULTI EVO / VARIO 1-20/MULTI EVO-E

### PRESSURE BOOSTER SET

#### COMPACT - STURDY - HIGH HYDRAULIC PERFORMANCE



These are units for the automatic pressurization of water supply networks with single phase electrical power supply composed of: 2 pumps, power board, skid, intake and outlet manifold, gauge and outlet retainer valve (Easy20 vers.) and pressure transducer (Vario 1-20 vers.) The EASY20 is a pressure booster set composed of two Multi EVO pumps with fixed speed operation.

The VARIO 1-20 is a pressure booster set composed of two variable speed Multi Evo-E pumps. Version with plastic pump casing available, VARIO 1-20/Multi EVO-E P.



APPLICATIONS	Q Max	H Max	TYPE
LIFTS AND DISTRIBUTES WATER IN DOMESTIC SYSTEMS	22 m <sup>3</sup> /h	69 m	EASY20/MULTI EVO
PRESSURIZATION SYSTEMS	24 m <sup>3</sup> /h	70 m	VARIO1-20/MULTI EVO-E
CLEANING SYSTEMS			
IRRIGATION	14,4	54,5 m	VARIO1-20/MULTI

## DOMINATOR 5 RW PACK

### MULTI-STAGE SUBMERSIBLE PUMPS

#### WATER RECOVERY AND RE-USE



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.



APPLICATIONS	Q Max	H Max	TYPE
PUMPING FROM WELLS AND RAINWATER STORAGE TANKS	8 m <sup>3</sup> /h	63 m	DOMINATOR 5 RW PACK
SMALL AUTOMATIC GARDEN IRRIGATION SYSTEMS			
RAIN WATER RECOVERY SYSTEMS			
GRAVITY IRRIGATION SYSTEMS			

## VSD

VARIABLE SPEED DRIVE

### CONSTANT PRESSURE AND ENERGY SAVING



VSD is a static frequency converter that controls the speed of a pump to maintain constant pressure even when water demand changes.

VSD Easy is a device that controls single-phase or three-phase pumps.

Easy to install and to setup, you just need to select the pressure set point.

VSD is a device for the control of three-phase pumps, it's able to communicate with another identical device through the installation of a cable.

MODEL	POWER SUPPLY V	MOTOR PUMP VOLTAGE V	MAX CURRENT OF MOTOR A	MAX FLOW m <sup>3</sup> /h
VSD EASY M/M	1~230	1~230	9	10
VSD EASY M/T	1~230	3~230	10	10
VSD M/T	1~230	3~230	10	10
VSD T/T	3~400	3~400	14	25



## CPS10 / CPS3-10

ELECTRICAL PUMPS WITH INVERTER

### EASY TO INSTALL - LOW ENERGY CONSUMPTION



CPS10 and CPS3-10 are electronic devices built directly into the motor, capable of changing the speed of a pump.

It makes it possible to regulate its speed so that it can always supplies the same pressure to the user even when the demand for water changes.

CPS 10 up to 2,4 kW 1x230

CPS 3-10 up to 11 kW 3x400

APPLICATIONS	Q Max	H Max	TYPE
BOOSTER SYSTEM WATER SUPPLY	16 m <sup>3</sup> /h	165 m	CPS10
INDUSTRY BUILDING WASHING	40 m <sup>3</sup> /h	167 m	CPS3-10



## JET / JETINOX

### SELF-PRIMING PUMPS

#### STURDY AND TOUGH - LARGE SUCTION CAPACITY



The self-priming pumps of the JET / JETINOX series combine the functional advantages of the centrifugal pumps and the practical advantages of the self-priming pumps. The self-priming system and the hydraulics guarantee an excellent output and a considerable suction capacity even when there are bubbles of air.



APPLICATIONS	Q Max	H Max	TYPE
IRRIGATION	10 m <sup>3</sup> /h	70 m	JET
PUMPING AND DISTRIBUTION OF WATER IN HYDRAULIC SYSTEMS	5 m <sup>3</sup> /h	50 m	JETINOX
PRESSURIZATION SYSTEMS			
WASHING			

## DHR

### MULTISTAGE CENTRIFUGAL PUMPS

#### LOW ENERGY CONSUMPTION - EXTREMELY QUIET



The pumps of the DHR Series are horizontal non-self-priming centrifugal pumps. All rotating parts in contact with the pumped liquid are in AISI 304 stainless steel. Impellers and diffusers manufactured entirely in AISI 304 stainless steel, threaded connections prepared also for oval connections (range DHR 9).



APPLICATIONS	Q Max	H Max	TYPE
PUMPING AND DISTRIBUTION OF WATER IN HOUSEHOLD SYSTEM IN CONTINUOUS OR INTERMITTENT USE	16 m <sup>3</sup> /h	60 m	DHR
PRESSURIZATION SYSTEM			
WASHING AND IRRIGATION			
GARDENS AND FOUNTAINS			



## SWIMMEY

SELF-PRIMING PUMPS FOR POOLS WITH PRE-FILTER

### HIGH HYDRAULIC PERFORMANCE



The SWIMMEY series pumps are designed to achieve maximum reliability regarding filtering in the recirculation of water treated with chlorine.



APPLICATIONS	Q Max	H Max	TYPE
RECIRCULATION AND FILTRATION OF WATER FOR POOLS AND BASINS	30 m <sup>3</sup> /h	18,5 m	SWIMMEY

## CB / CM

HORIZONTAL CENTRIFUGAL PUMPS

### GREAT RELIABILITY - STURDY AND TOUGH - HIGH HYDRAULIC PERFORMANCE



The single impeller centrifugal pumps of the CM Series are quiet and offer high hydraulic performance. The CB have two opposed impellers with balanced axial thrust which provide high performance making them particularly suitable for civilian and industrial use, autoclave units, etc.



APPLICATIONS	Q Max	H Max	TYPE
PRESSURIZATION SYSTEMS	7 m <sup>3</sup> /h	47 m	CM
SMALL IRRIGATION			
HANDLING OF NON-AGGRESSIVE LIQUIDS	12 m <sup>3</sup> /h	76 m	CB
WASHING INSTALLATIONS			

## MULTINOX-VE+

### VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

#### SUPERIOR HYDRAULIC EFFICIENCY



The vertical multistage centrifugal series MULTINOX-VE+ pumps are particularly suited for the implementation of booster units, especially where optimal performance and silent operation are needed with a compact overall layout.

APPLICATIONS	Q Max	H Max	TYPE
LIFTING AND DISTRIBUTION OF WATER IN DOMESTIC SYSTEMS WITH CONTINUOUS OR INTERMITTENT DUTY PRESSURE BOOSTER SYSTEMS WASHING GARDEN IRRIGATION, FOUNTAINS	13 m <sup>3</sup> /h	139 m	MULTINOX-VE



## PVM / PVMI / PVMX

### VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

#### HIGH HYDRAULIC EFFICIENCY - HIGH PERFORMANCES



The PVM, PVMI and PVMX are non-self priming vertical multistage centrifugal pumps of "in line" design. Stage construction with stainless steel impellers, chambers and pressure casing. Pump stub shaft and motor shaft of the IEC-standards motor are directly close coupled. All pumps are equipped with high efficiency motors (IE3) and with a cartridge type mechanical seal for easy maintenance.

APPLICATIONS	Q Max	H Max	TYPE
WATER SUPPLY / IRRIGATION PRESSURE BOOSTING SYSTEMS	180 m <sup>3</sup> /h	320 m	PVM
WATER TREATMENT/FILTRATION HIGH PRESSURE WASHES	180 m <sup>3</sup> /h	320 m	PVMI (AISI 304)
BOILER FEED TRANSFER OF LIQUIDS FIREFIGHTING SYSTEMS	180 m <sup>3</sup> /h	320 m	PVMX (AISI 316)



## DOMINATOR 4 PLUS

MULTISTAGE CENTRIFUGAL SUBMERSIBLE PUMPS FOR FRESH WATER

**DOUBLE MECHANICAL SEAL - HYDRAULIC SYSTEM PARTICULARLY RESISTANT TO SAND CORROSION - CHECK VALVE INTEGRATED**



DOMINATOR 4 PLUS submersible pumps with double mechanical seal, are suitable for installation in traditional wells, water deposits, collection tanks, fresh water courses, lakes, etc. Supplied with nylon suspension cord (20 m).

APPLICATIONS	Q Max	H Max	TYPE
LIFTING FROM TRADITIONAL WELLS	5 m <sup>3</sup> /h	70 m	DOMINATOR 4 PLUS
INSTALLATIONS IN TANKS INSIDE HOMES FOR PRESSURIZATION SYSTEMS			
SMALL AUTOMATIC SYSTEMS FOR GARDEN IRRIGATION			
GRAVITY IRRIGATION SYSTEMS			



## PRATIKA / DOMINATOR 5"

MULTISTAGE CENTRIFUGAL SUBMERSIBLE PUMPS FOR WELLS AND TANKS

**AUTOMATIC VERSION SUPPLIED WITH FLOAT SWITCH**



The PRATIKA, DOMINATOR 5" submersible pumps are suitable for installation in traditional wells, water deposits, collection tanks, fresh waterways, lakes, etc. The DOMINATOR 5" electrical pumps are made entirely in Stainless steel.

APPLICATIONS	Q Max	H Max	TYPE
PUMPING WATER FROM TRADITIONAL WELLS	6 m <sup>3</sup> /h	46 m	PRATIKA
INSTALLATIONS IN TANKS INSIDE HOMES FOR PRESSURIZATION	8 m <sup>3</sup> /h	78 m	DOMINATOR 5"
SMALL AUTOMATIC SYSTEMS FOR GARDEN IRRIGATION			





## SCM 4 PLUS

SUBMERSIBLE MULTISTAGE CENTRIFUGAL PUMP

**RESISTANT TO WATER HAMMER AND THE ABRASIVE ACTION OF THE SAND - EXCELLENT HYDRAULIC PERFORMANCE**



The SCM 4 PLUS submersible pumps are composed of a multistage pumping unit connected directly to a submersible motor.

This pump series is particularly suited for pumping in 4" deep wells (100 mm). The special floating impellers design resists sand and reduces sand locking.

APPLICATIONS	Q Max	H Max	TYPE
LIFTING FROM BOLEHOLE WELLS AUTOMATIC GARDEN IRRIGATION SYSTEMS GRAVITY IRRIGATION FOR AGRICULTURAL USE LIFTING AND SUPPLY OF STORAGE DEPOSITS OR PRESSURE AUTOCLAVES, FOR CIVIL AND INDUSTRIAL SYSTEM DRINKING WATER AQUEDUCTS	8 m <sup>3</sup> /h	292 m	SCM 4 PLUS



## WATERPRESS / AUTOJET

PRESSURE UNITS WITH HORIZONTAL EXPANSION TANK AND AUTOMATIC ON / OFF PRESSURIZATION SYSTEMS

**COMPLETE SYSTEM READY TO USE**



WATERPRESS pressure units are manufactured with JETINOX or JET type electrical pump. They are supplied wired, complete with pressure tank and pressure switch, ready for installation and use.

AUTOJET systems is manufactured with JETINOX type electrical pumps complete with ON / OFF electronic control device with pressure and flow control.

APPLICATIONS	Q Max	H Max	TYPE
PUMPING AND DISTRIBUTION OF WATER PRESSURIZATION SYSTEM	4 m <sup>3</sup> /h	48 m	AUTOJET
WASHING IRRIGATION	5 m <sup>3</sup> /h	49 m	WATERPRESS





## EASYBOOST / PRESSOMAT

PRESSURE UNITS CONTROLLED BY PRESSURE SWITCH

### HIGH HYDRAULIC PERFORMANCE - STURDY - COMPACT



Unit for the automatic pressurization of fixed speed water distribution networks with 2 electrical pumps.

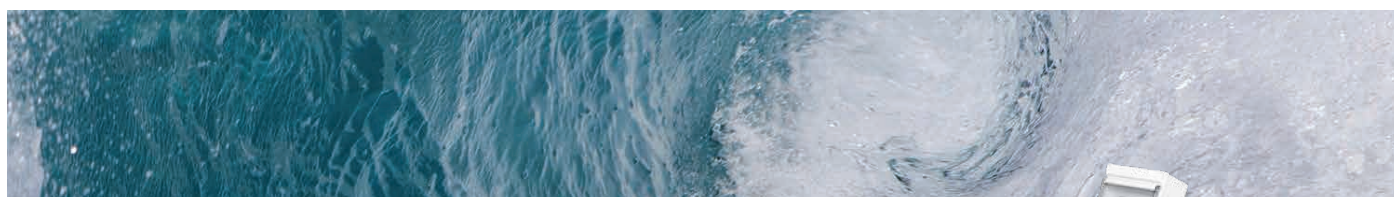
APPLICATIONS	Q Max	H Max	TYPE
WATER PUMPING AND DISTRIBUTION IN HOUSEHOLD SYSTEMS	28,8 mc/h	140 m	EASYBOOST
PUBLIC BUILDINGS INDIVIDUAL HOUSES APARTMENT BLOCKS GARDENS IRRIGATION	80 mc/h	166 m	PRESSOMAT



## CPS 20

VARIABLE SPEED PRESSURE BOOSTER SETS WITH TWO PUMPS

### EASY TO INSTALL - LOW ENERGY CONSUMPTION



The series of variable speed pressure booster sets CPS20 offers a reliable and simple solution for residential and industrial applications. The system envisages the parallel installation of two inverters integrated directly on the motor of each electric pump installed. The two frequency converters communicate and alternate the starting sequence on each work cycle, keeping constant pressure in the distribution system.

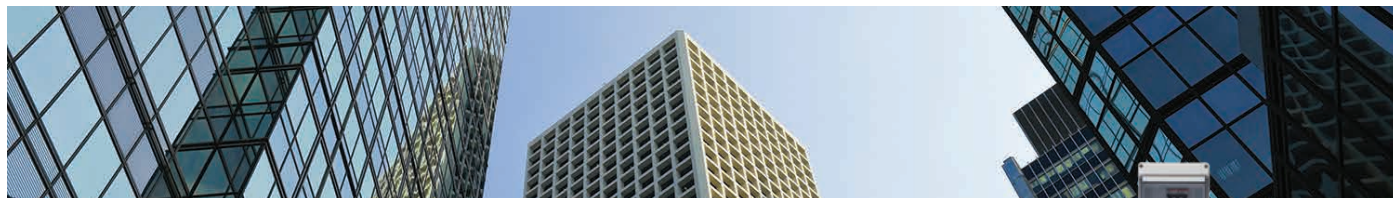
APPLICATIONS	Q Max	H Max	V	TYPE
WATER PUMPING AND DISTRIBUTION IN HOUSEHOLD SYSTEMS BOOSTER SYSTEMS IRRIGATION WASHING	29 m <sup>3</sup> /h	60 m	1~230	CPS 20



## VARIO1-20 / VARIO3-20 / VARIO3-30

VARIABLE SPEED PRESSURE BOOSTER SETS

### EASY TO INSTALL - LOW ENERGY CONSUMPTION



The new series of VARIO variable speed pressurization units represent a reliable, easy-to-use solution in residential and commercial applications. The system consists in the parallel installation of two or three inverters, incorporated directly onto the motor of each installed electric pump. The frequency converters communicate and alternate the starting order of each operating cycle, maintaining a constant pressure in the distribution system.



APPLICATIONS	Q Max	H Max	V	TYPE
WATER PUMPING AND DISTRIBUTION IN HOUSEHOLD SYSTEMS	25 m <sup>3</sup> /h	165 m	1~230	VARIO1-20
BOOSTER SYSTEMS	72 m <sup>3</sup> /h	167 m	3~400	VARIO3-20
IRRIGATION	118,8 m <sup>3</sup> /h	167 m	3~400	VARIO3-30
WASHING				
INDUSTRY				

## FIREMAT-UNI EN12845

FIREFIGHTING BOOSTER SETS



These are units for the automatic pressurization of fire fighting systems designed and manufactured in conformity with the standard UNI EN12845. Firefighting also available in compliance with standard UNI 10779.



APPLICATIONS	Q Max	H Max	TYPE
FIREFIGHTING SYSTEMS UNI EN12845	720 m <sup>3</sup> /h	92 m	FIREMAT

# PROPUMPSIZER

## SELECTION SOFTWARE

"ProPumpSizer" is a new, expanded planning tool to help you select the right size of pump. The ProPumpSizer combines an intelligently designed selection system with detailed product data and clearly structured calculation methods. A wide range of new functions and up-to-date data are just some of the many advantages offered by this new tool.

The user can make a selection in different ways, based on the operating point, type of application or product name. The hydraulically based selection determines the operating point, which is then shown as pump and system characteristic curves. The user is then guided through various menus, to select the valves, pipelines and wastewater units to be connected, until the desired result is found.

As well as providing specification texts, data sheets and characteristic curves, the comprehensive database also includes software for quotation texts and prices. The user is also provided with suggestions regarding useful and relevant pump accessories. The integrated software for the preparation of quotations allows changes to be made manually to the prices and text passages, and new items can be added as required. The user management system allows each registered user to select the specific features that he/she requires. The software supports many other languages in addition to Italian German and English.

**PROPUMPSIZER.COM**

# CONTACTS

## PISA

Via Masaccio, 13  
56010 Lugnano (PI)  
tel: 050 716111 - fax: 050 713137

### Marketing

tel: 050 716196  
fax: 050 716801  
e-mail: [Info-it@pentair.com](mailto:Info-it@pentair.com)

### Customer Service

tel: 050 716118  
fax: 050 716156  
e-mail: [customerservice.ppi@pentair.com](mailto:customerservice.ppi@pentair.com)

### Technical Support

tel: 050 716112  
fax: 050 716177  
e-mail: [aftersales.ppi@pentair.com](mailto:aftersales.ppi@pentair.com)

### Training

e-mail: [training-italy@pentair.com](mailto:training-italy@pentair.com)







## WE PUT ENERGY INTO YOUR WATER SINCE 1934

The Sta-Rite brand exists since 1934 and is sold in over 100 countries worldwide. In Europe, Pentair already produces a wide range of Sta-Rite swimming pool pumps and cleaners for its pool division, which have gained a reputation for quality and durability. The new European Sta-Rite line for residential water supply and water disposal will be manufactured in Italy/Pisa.

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