Specifications

MODEL	B v2.2 type 12V (PT-B-15/25 v2.2)
ELECTRICAL SPECIFICATIONS	
GENERATOR TYPE	Brushless
NOMINAL OUTPUT VOLTAGE	12 V
MAXIMUM OUTPUT CURRENT	2A
MAXIMUM OUTPUT POWER	25 W
ALLOWED BATTERIES	Lead-acid Sealed
ALLOWED BATTERIES CAPACITY	9-45Ah
OUTPUT CONTROL	Output for EV control latch type of 2 wires
STATUS SIGNALLING	Built in status led light. Status digital output (1), free potential transistor output (suitable for PLC or datalogger inputs)
MINIMUM VOLTAGE OF BATTERY V1	10,5V
TIMED IGNITION VOLTAGE V2	12,5V
INSTANT IGNITION VOLTAGE V3	12,3V
MINIMUM FULL-CHARGED VOLTAGE V4min	14,6V
MINIMUM FULL-CHARGED VOLTAGE V4max	15,0V
MINIMUM OPERATION TIMING T1	20 minutes
SECURITY TIMING T2 (timed ignition)	5 minutes
HYDRAULIC SPECIFICATIONS	
NOMINAL PRESSURE	10 bar (PN10)
MINIMUM Δ PRESSURE INLET-OUTLET	0,45 bar
MAXIMUM Δ PRESSURE INLET-OUTLET	1,8 bar
Δ ABSOLUT MAXIMUM PRESSURE INLET-OUTLET ΔPMAX	2,0 bar
MINIMUM FLOW	0,5 litres/second
MAXIMUM FLOW	0,95 litres/second
ABSOLUTE MAXIMM FLOW QMAX	1,0 litres/second

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MECHANIC SPECIFICATIONS	
IP CODE	IP68
NOMINAL PRESSURE	10 bar (PN10)
INLET / OUTLET DIMETER AND THREAD	15 mm, BSPP 1”
FREE PASSAGE OF SOLIDS	Maximum 1 mm
NET WEIGHT	2,7 kg
DIMENSIONS	130x145x195mm
MATERIALS	
HYDRAULIC BODY	Steel foundry
IMPELLER	Noryl
ROTOR	Stainless steel AISI 316
SEAL / GASKET	EPDM
AXIS	Ceramic
BEARINGS	Ceramics refrigerated by the fluid
PROTECTIONS	
BATTERY CUT OFF (low battery protection)	10.5V
OVERVOLTAGE	Electronic protection
GENERATION OVERLOAD	Fuse #1 of 500mA
OVERCURRENT, SHORT-CIRCUIT ELECTROVALVE	Fuse #2 de 2,5A
OVERCURRENT, BATTERY SHORT-CIRCUIT	Fuse #3 of 3A
REDUCTION OF POWER DUE TO HEATING	Depending on battery voltage and ambient temperature
ENVIRONMENT CONDITIONS	
WORKING TEMPERATURE	-20 to +60 ºC (power reduction from 50 ºC)
WORKING HUMIDITY	10 ~ 90 % non-condensation
REGULATION	
216/42/CEE, 2004/108/CEE, 2011/65/CEE, UNE EN 12100-1/2, UNE EN 14121-1/2007	

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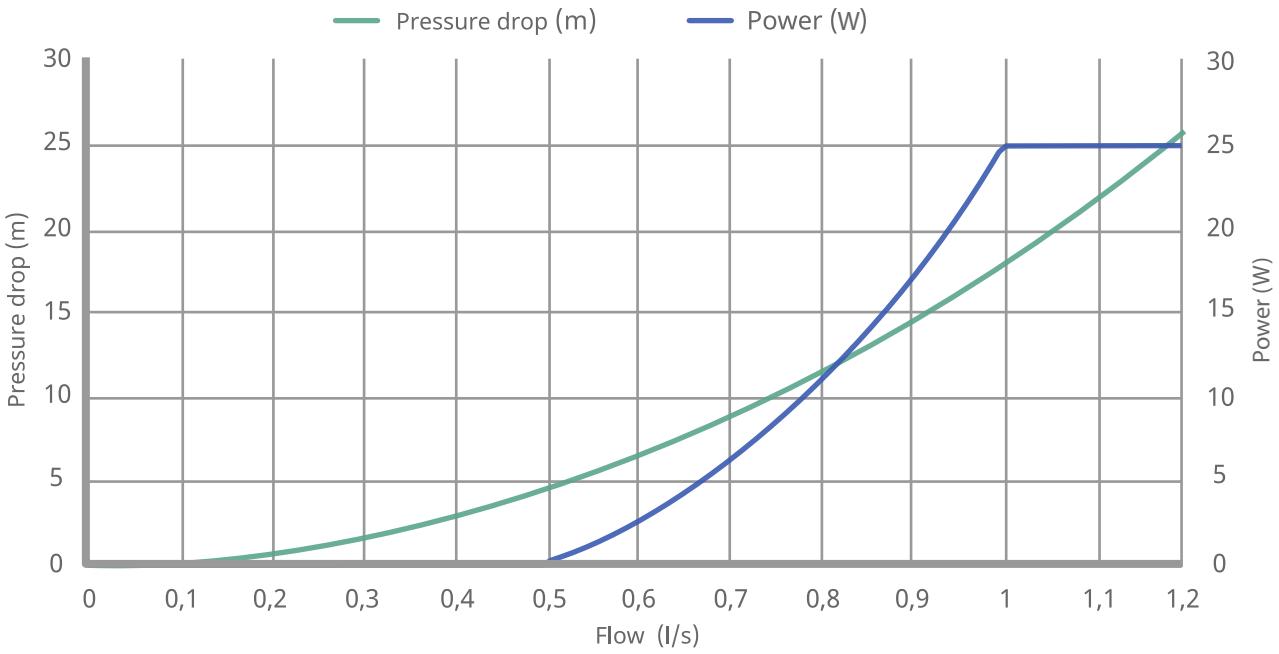
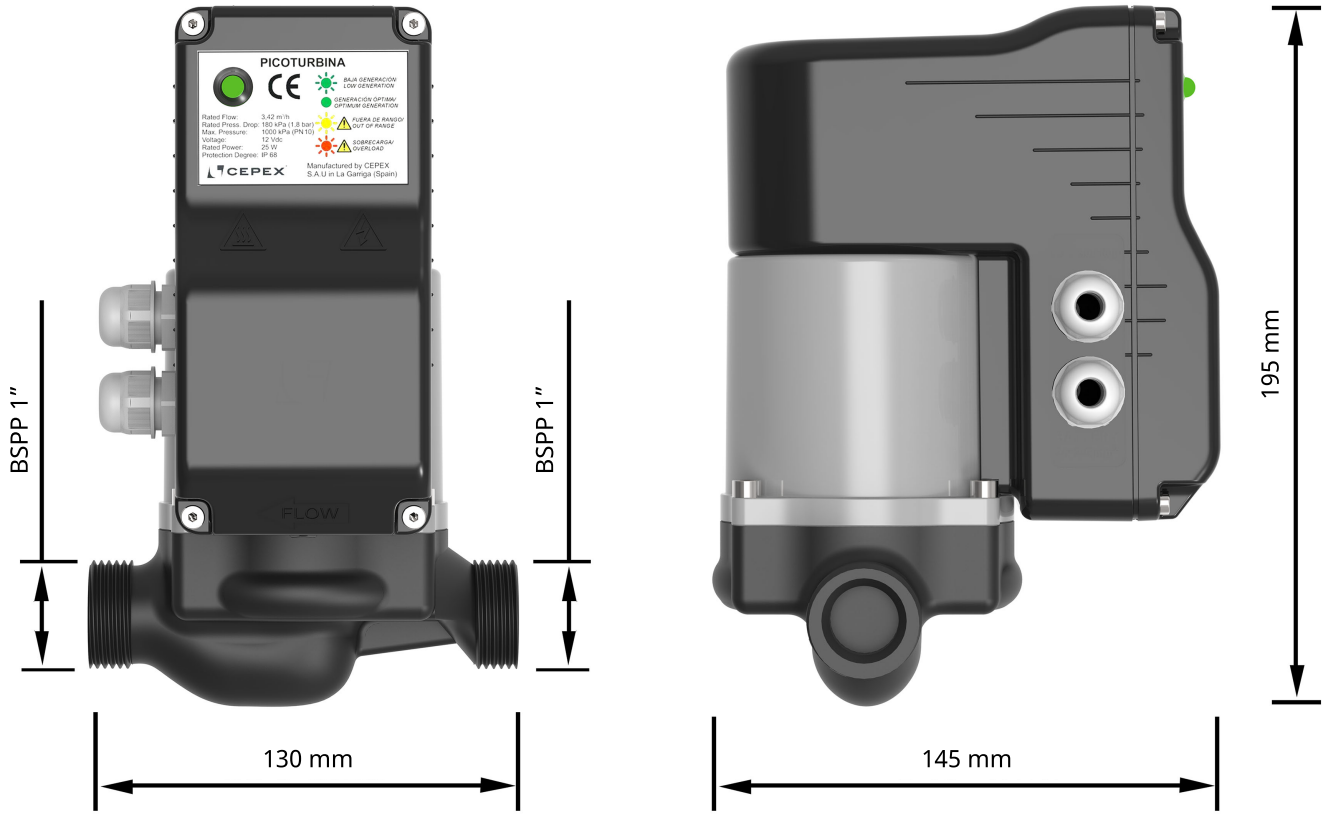
Operating Range Curves



Dimensions



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