



Ball siphon





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Global Plastic Pipe Systems

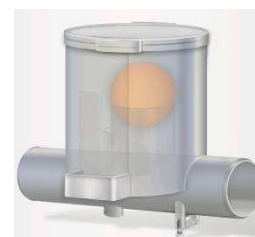
Description

The ERI ball siphon is designed to ensure clean drainage without odor transfer of condensate in residential ventilation systems, HVAC ventilation units, coolers or condensate trays.

The integrated receptacle also allows easy installation of the optionally available trace heating for outdoor use in winter operation. The heating is self-regulating and switches on automatically below 3°C and off again from an outside temperature of over 7°C. This avoids unnecessary energy consumption. The design allows both the use at overpressure and under negative pressure in the ventilation system. The sealing water heights at under- or overpressures must be created with an on-site drain pipe.

Siphon suction and discharge side

- + small design
- + Corrosion resistant / UV resistant plastic
- + can be combined with frost protection heating for indoor and outdoor use



Variants

- + Ball Siphon Grey
- + Ball Siphon Transparent

Specifications

- Overpressure: max. with on-site sealing water height up to 1600 Pa
Negative pressure: max. with on-site sealing water height up to 1600 Pa
Connection: DN 40 (HT pipe)
Heating cable: BIE5070 Cable length 2m, 2 wires
Power supply: BIE5080 input 230 V/AC, output 24 V/AC, IP 65
Suitable for outdoor installation

Antifreeze heater

230V Connection BIE5070 + BIE5080



ALIMENTATION 230 V/AC / DC LED RED / GREEN



24 V/AC Connection BIE5070



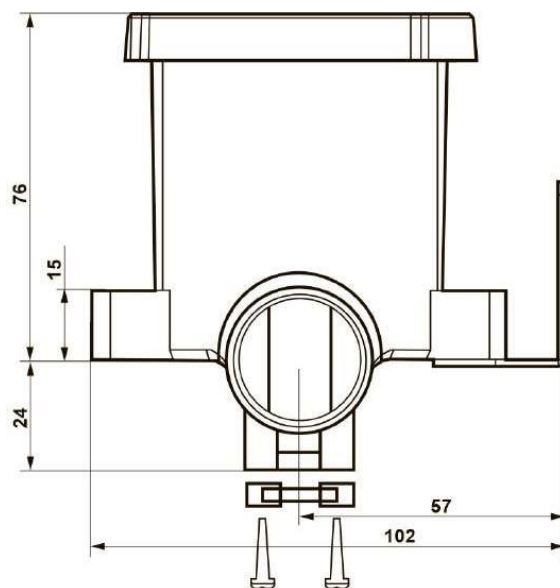
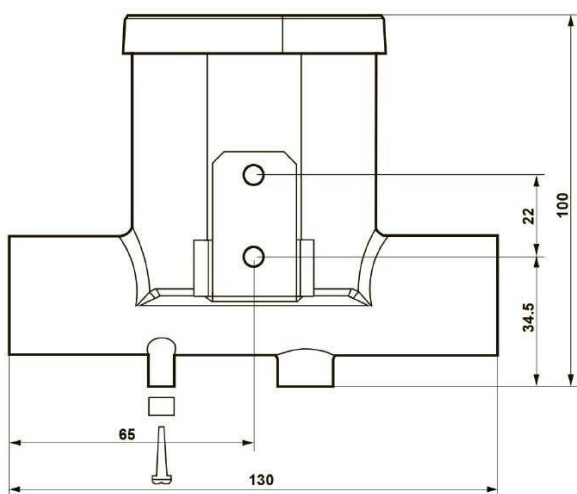
ALIMENTATION 230 V/AC / DC LED RED / GREEN



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Dimensions



Scope of delivery ball siphon

- Siphon housing
- Sealing ring cover
- Mounting clamp for cable
- Frost protection heater
- Mounting clamp for wall mounting
- Rubber nipples when used for vacuum

Ball siphon transparent (hygienic version)



Ball Siphon Grey



230 V Ball Siphon + BIE5070 + BIE5080



24 V Ball Siphon + BIE5070

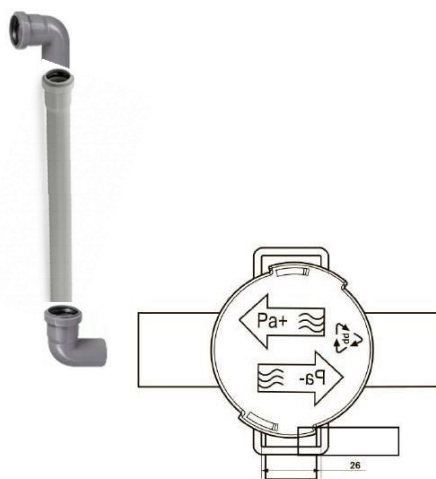




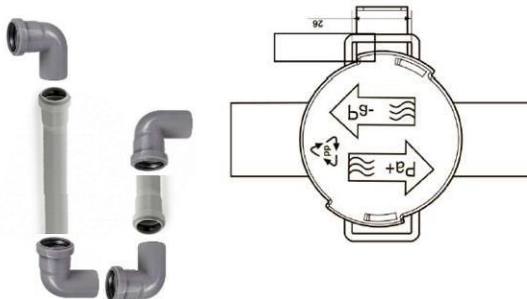
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Installation with negative pressure



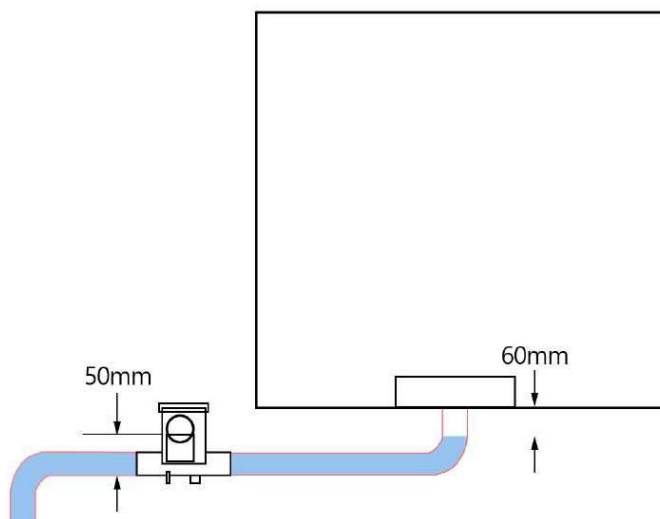
Installation with overpressure



Example calculation of sealing water height

Example negative pressure -600 Pa

-600 Pa = 60mm + 50mm = lower edge HT
pipe to lower edge condensate outlet
110mm





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Power supply BIE5080



Supply:	230 V/AC
Frequency:	50/60Hz
1 Ph~	L – N
Voltage output:	24 V/AC, 415 mA
Achievement:	10 VA
Protection:	IP65
Fire classification:	UL 94 HB
Operating temperature:	-40°C - +40°C
Thermal fuse:	PTC ta60°C C/B
External pre-fuse :	T =63mAL, V max. 250V L 35A

PMA
COD.xxxx163yy
10VA 50/60Hz
(Data0)

PRI
230V



ta60° C/B

T 63 mAL

IEC 127 III

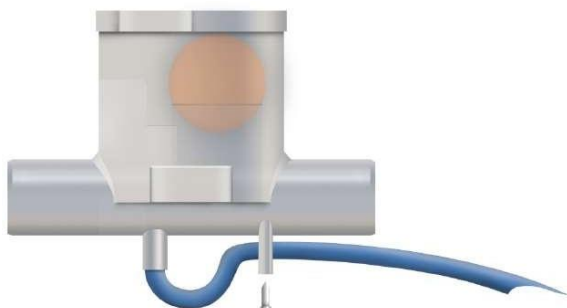
SEC
24V



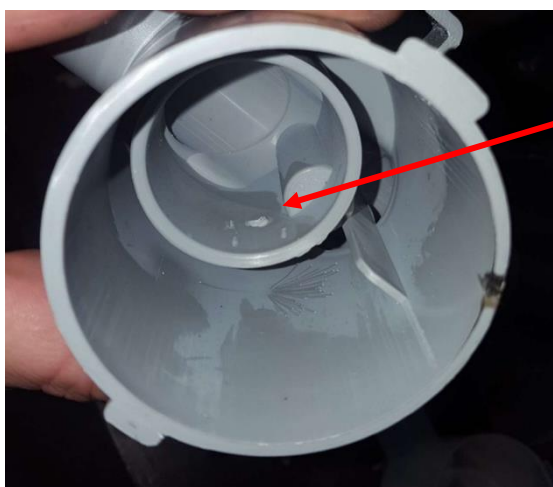
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Installation of heating cable



Slide the heating cable into the opening provided at the bottom of the siphon. Attach the cable to the siphon using the supplied clamps. Mount the siphon with the supplied mounting bracket.



When mounting with negative pressure, insert the supplied rubber nipple into the 3mm hole to ensure a clean drain.