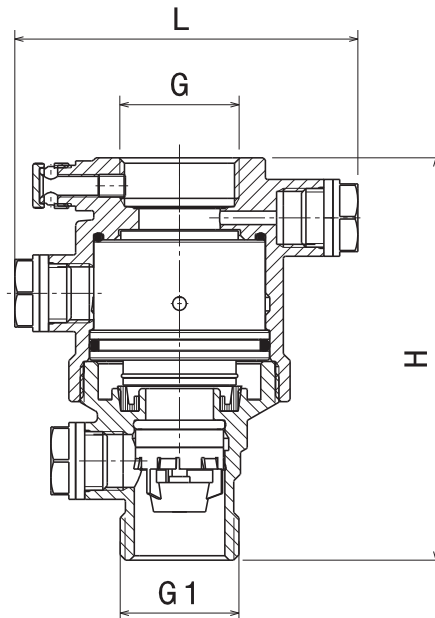


HERZ system separator I 0302

for retrofitting to a take-off fitting

Data sheet I 0302, Issue 0816

☑ Installation dimensions in mm



Article no.	DN	G	G1	L [mm]	H [mm]
I 0302 02	15	3/4"	3/4"	75	89
I 0302 03	20	1"	3/4"	75	89
I 0302 13	20	1"	1"	75	92

☑ Technical data

Nominal pressure	PN 10
max. operating temperature	65 °C
max. permissible temperature	80 °C (short-term)
Medium	water (without steam)
Installation position	vertical

☑ Materials

The housing is produced from pressed brass (CW617N), chrome-plated. The system separator cartridge consists of high quality, lime-repellent plastic. The sealing elements are produced from EPDM. All components are suitable for drinking water and have been issued with the corresponding certificates.

☑ Function description

The system separator complies with the European product standard EN 12729. It operates according to the three-chamber system, whereby a middle chamber that can be vented into the atmosphere is separated from the intake and outlet chambers respectively by a back-flow preventer.

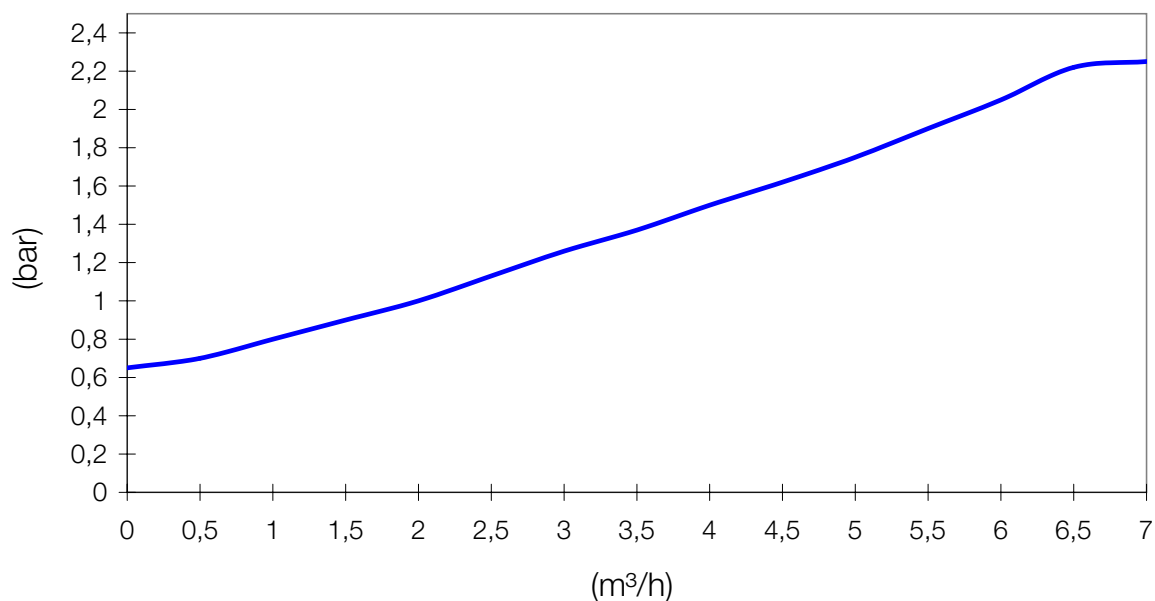
Under normal operating conditions, a pressure drop exists in the flow direction from one chamber to the next, such that a back-flow is prevented. Venting of the middle chamber into the atmosphere takes place no later than when the pressure drop between the intake and middle chamber has dropped to 0.14 bar.

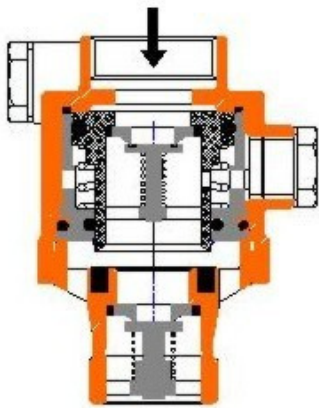
☑ Application area

The system separator is designed for retrospective mounting on a take-off fitting with hose connection. Thanks to its compact design, this system separator bridges gaps in all areas where a connection with the waste water is required.

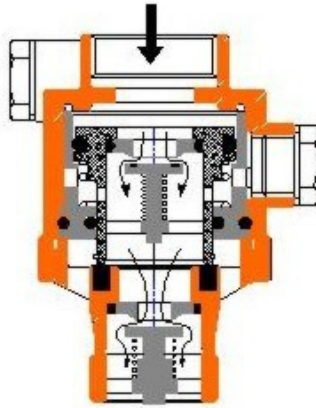
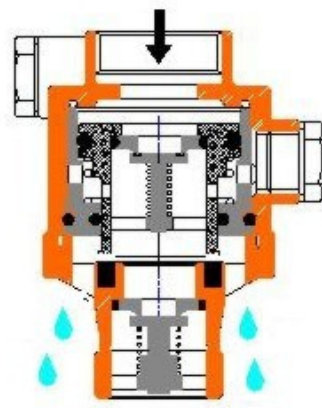
☑ Design

The system separator of type BA has been developed according to the standard DIN EN 1717. According to this standard, the water quality is divided up into 5 classes depending on the degree of contamination. System separators of type BA provide protection against non-drinking water up to hazard class 4. This is the highest hazard class that may be safeguarded with a valve. System separator complete with safety screw to prevent manipulation, screen against contaminant ingress. This filter disc must be inserted correctly in the fitting, so that it is possible to guarantee the function. Set the seal on top. The installation of a dirt trap upstream of the system separator helps to guarantee constant and faultless function. It is only possible to fit the system separator vertically. The Herz system separator is frost-proof. When installed in conjunction with frost-proof fittings we point out that these cannot be emptied whilst the system separator is screwed in place, and that the frost-proof characteristics of these fittings are therefore not applicable.

☑ Flow diagram

Principle of function of a system separator

1. No pressure

2. Flow pressure
Nominal flow2. Dropping point
at zero flow