THERMOSTATIC UNITS

PIPE IN PIPE SYSTEM
SERIES VTR800

ESBE series VTR801 is a pipe in pipe system for use with ESBE circulation sets VTR300 intended for Potable water Hot-Circulation applications with tank without circulation connection.



VTR800
Internal thread

OPERATION
In systems with Potable Water Hot-Circulation (PWH-C) without the circulation connection at the buffer tank is the re-circulated water connected to the cold water port. This solution reduces the effectivity of the PWH-C and destroys the stratification in the buffer tank. With the VTR801 is the re-circulated water connected to the warm water port and is pre-heated in the pipe in pipe solution without destroying the stratification of the buffer tank.

FUNCTION
The ESBE VTR801 series should be connected to the warm water port of the tank. The pipe in pipe solution provides the PWH-C with hot water and at the same time taking care of the circulation return water in the same connection port. The length of the pipe, which is inserted in the tank or coil, can be adjusted according to specific application. To receive the best performance, the VTR801 is recommended to use with ESBE VTR300 series.

MEDIA
The valve can handle the following types of media:
- Drinking Water

PIPE IN PIPE SYSTEM VTR800 DESIGNED FOR
● Potable water

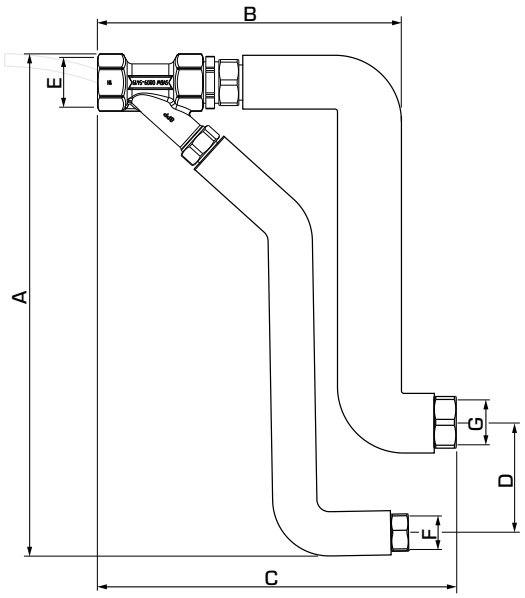
TECHNICAL DATA
Pressure class: PN 10
Working pressure: 1,0 MPa (10 bar)
Media temperature: max. continuously +95°C
max. temporarily +110°C
min. 0°C
Pipe PE-Xc dimensions: Ø8x1
length 1,5m
Connection: Internal thread (Rp), EN 10226-1
Internal thread (G), ISO 228/1

Material
Pipe PE-Xc: PE-HD, without EVOH-Barrier layer
T-piece and other metal parts with fluid contact:
CUPHIN, Stainless steel

PED 2014/68/EU, article 4.3

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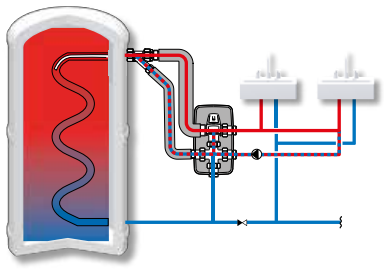
PIPE IN PIPE SYSTEM
SERIES VTR800

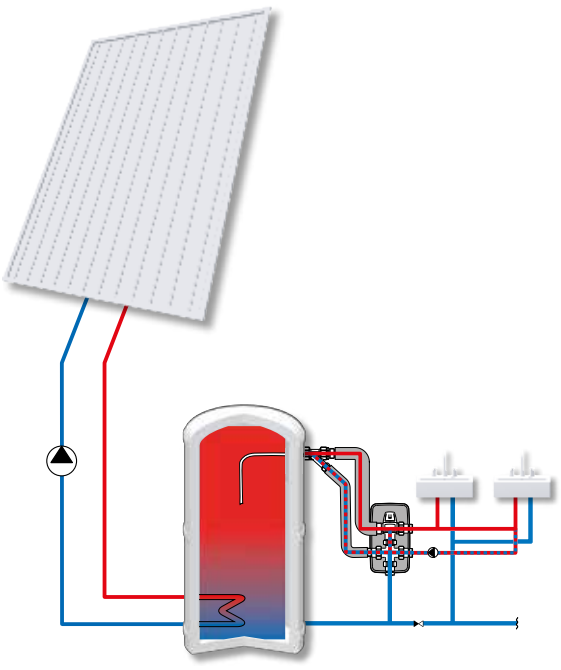


SERIES VTR801, INTERNAL THREAD

Art. No.	Reference	Connection			A	B	C	D	Weight [kg]	Note
		E	F	G						
31405010	VTR801	Rp 1"	G ¾"	G 1"	404	244	275	75	1,35	

INSTALLATION EXAMPLES





The shown applications are only examples of product use!
Before using the product in any application, the regional and national regulations need to be checked.

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