

General

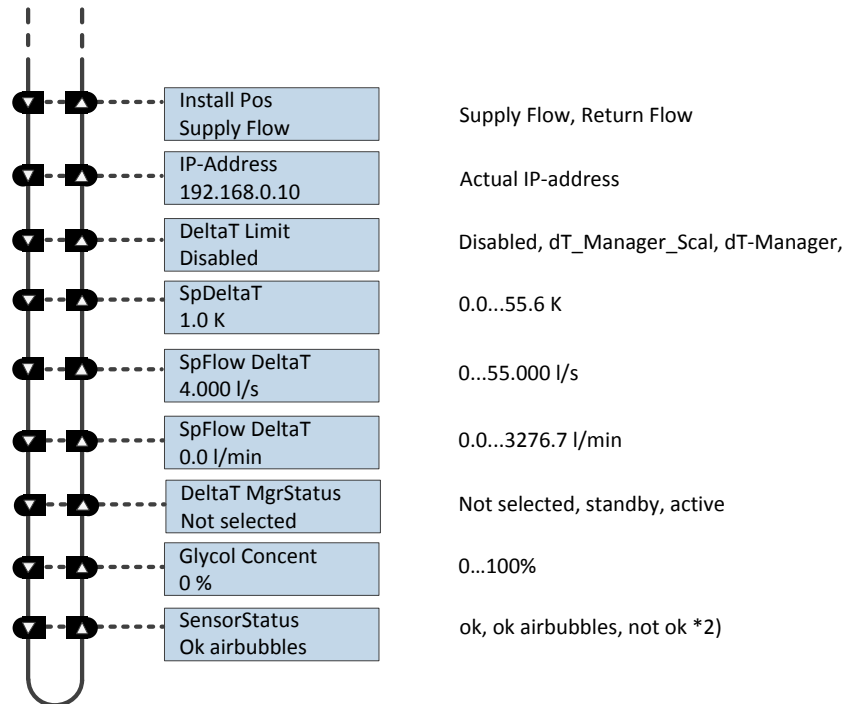
This additional document describes the settings for the Energy Valve™ (EV...R+(K)BAC, P6...W...EV-(K)BAC) from production date 31.03.2017 by using the ZTH EU service tool.  
The basic functions and more applications are described in the official ZTH EU documentation.

Functions for Energy Valve™

**Menu tree** The following menu tree shows the possible settings and values of the Energy Valve™

Data, Settings		Possible settings with   in editing mode:
	SpRel 0%	Setpoint Position- / Power- / Flowcontrol
	RelPos 0%	
	RelFlow 0%	Actual flow in % to Vmax
	AbsFlow 0.0 l/min	
	AbsFlow 0.000 l/s	
	T1 remote 25 °C	
	T2 embedded 25 °C	
	DeltaT 0 °C	
	RelPower 0 %	In % to Pmax
	AbsPower 0 kW	
	Cooling Energy 0 kWh	
	Heating Energy 0 kWh	
	Override Auto	None, Close, Open, Vnom, Vmax, MotStop, Pnom, Pmax, SpPosOverride
	SpPos Override 0 %	0...100% Position, 0...V'Max, 0...P'Max
	Mode 2-10V	02-10V, 0.5-10V,
	Mode Y Inv not inverted	not inverted, inverted
	Vmax 100 %	30...100% to Vnom
	Vmax_Is 8 l/s	0...45 l/s *1)
	Vmax_lmin 21.0 l/min	0...4000 l/min *1)
	Pmax 100 %	1...100% to Pnom
	Pmax 1 kW	0...5000 kW to Pnom *1)
	ControlMode FlwCtrl	FlwCtrl, PosCtrl, PowerCtrl

## Functions for Energy Valve™

Menu tree  
(continuation)

\*1) Compliance with the maximum absolute values is in the responsibility of the operator. The product-specific limits must be adhered to (see data sheet)

\*2) Only available for devices of the series EV ... R + BAC  
 ok : Flow sensor is working properly  
 ok airbubbles : Flow sensor is working properly , Airbubbles in the system  
 not ok: Sensor error