

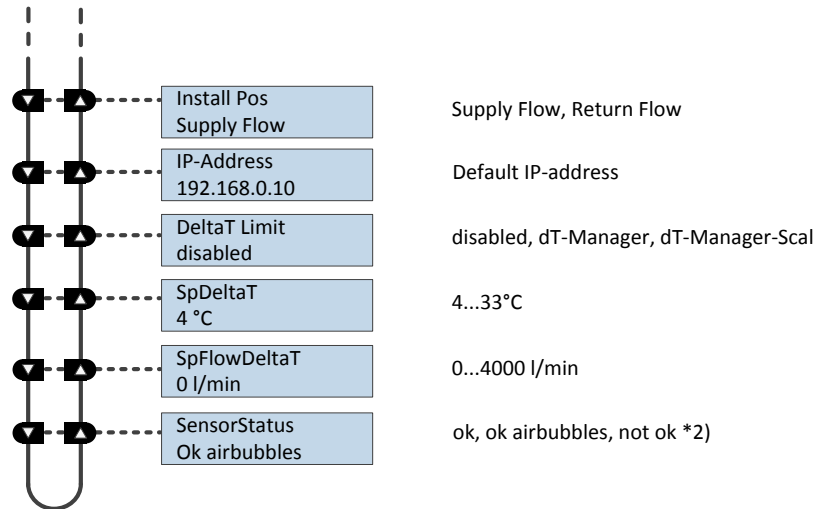
General

This additional document describes the settings for the Energy Valve™ (EV...R+BAC, P6...W...EV-BAC) from production date 20.03.2014 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 V'Max
	AbsFlow 0 l/min	
	AbsFlow 0 l/s	
	T1 remote 25 °C	
	T2 embedded 25 °C	
	DeltaT 0 °C	
	RelPower 0 %	In % to P'Max
	AbsPower 0 kW	
	Cooling Energy 0 kWh	
	Heating Energy 0 kWh	
	Override Auto	Auto, Close, Open, VNom, VMax, MotStop, PNom, PMax, SpPosOverride, InputSim
	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 V'Nom
	Vmax 21 l/min	0...4000 l/min *1)
	Pmax 100 %	1...100% to P'Nom
	Pmax 1 kW	0...5000 kW to P'Nom *1)
	ControlMode FlwCtrl	FlwCtrl, PowerCtrl, PosCtrl,

**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