

General

This additional document describes the settings for the Belimo EnergyValve™ (EV...R+(K)BAC, EV...R3+BAC, P6...W...EV-(K)BAC) from production date 31.03.2017 by using the ZTH EU service tool. For newer versions of the Belimo Energy Valve™ (from version 4.x / EV...R2+(K)BAC), the ZTH EU is replaced by the NFC Assistant app. The basic functions and more applications are described in the official ZTH EU documentation. Menu items written in bold can be changed.

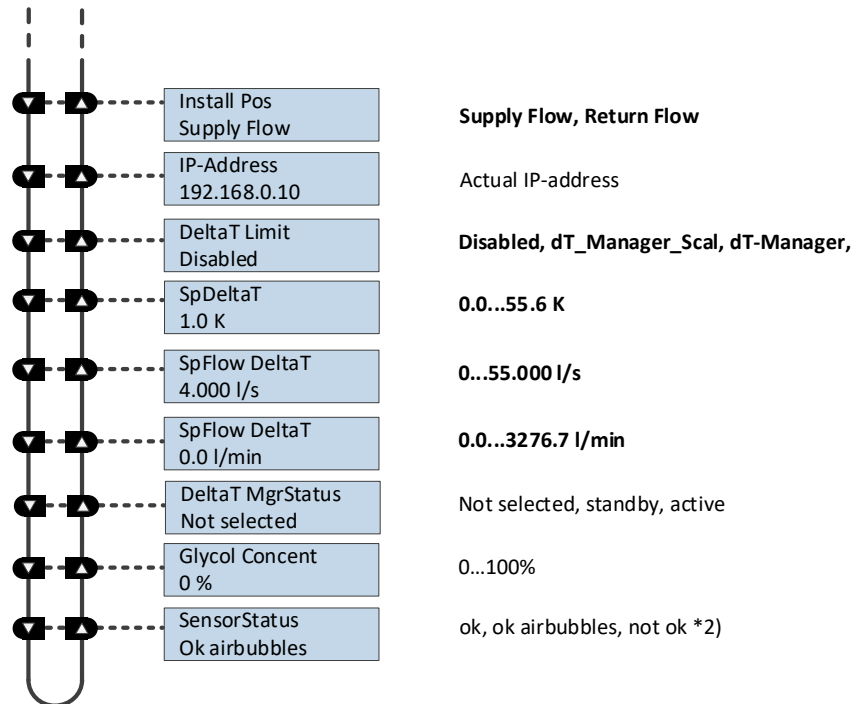
Functions for Energy Valve™

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