

## Important installation notes

### EWO VITAL and Heating-Vitaliser in Heating-Systems

#### ➤ Important installing notes:

- Please notice the flow direction on the Heating-Vitaliser.
- The installation can occur basically in the preliminary heater circuit or in the return.
- If very hot temperatures in the forerun (> 60°C) then mount the device in the return.
- If you have floor or wall-heating, then mount the device in the forerun.
- In mixed heating systems (floor heating + radiator) mount the vitaliser in the floor heating circuit.
- Buffer storage tanks with more than 500l needs an extra Vitaliser.
- Minimum distance next to pumps and electrical fields 50-75 cm.
- Electric cables may not lie close or on the pipes and also not wrapped around these !
- Minimum distance to control technology is 50cm.
- The earth-connection must be good and checked!
- **Direct mounting only with brass or red brass (stainless steel is possible) parts (neutral crossing).**
- Please notice the straight line of the Pipe after EWO Device (look at the table below).

#### ➤ Operating Range:

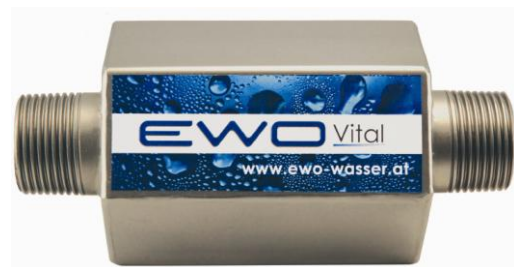
- all types of heating-Systems

EWO – HB & VITAL	Heating-Vitalizer	&	VITAL	-	Technical Data						
Size	Item	1/2"	1"		1/2"	1"	5/4"	2"	3"	4"	6"
Nominal width	DN	15	25		15	25	32	50	80	100	150
Max. water pressure	bar/psi	4/58	4/58		10/145	10/145	10/145	10/145	10/145	10/145	10/145
Operating temperature	°C	1-70	1-70		1-90	1-90	1-90	1-90	1-90	1-90	1-90
Max. flow at 4 bar / 58 psi	m <sup>3</sup> /h	2,8	10,8		3,6	10,8	18	32,4	50,4	72	108
Max. loss of pressure	bar/psi	0,1/1,5	0,1/1,5		0,5/7,3	0,2/2,9	0,2/2,9	0,2/2,9	0,2/2,9	0,2/2,9	0,2/2,9
Length	mm	59	88		100	160	200	235	330 incl. Flange	370 incl. Flange	550 incl. Flange
Diameter	mm	25	39		56	80	115	133	177	200	285
Weight	kg	0,2	0,5		0,4	1,2	2,1	3,2	15,3	19,8	43
Boiler performance	kw	<20	<50		<50	>50	>100	<500	>500	<1000	>1000
Heating water volume	m <sup>3</sup>	0,3	1		2	3	4	5	10	20	40
straight pipe after device	cm	10	10		10	20	25	30	35	40	50

The size depends on the capacity and performance of the boiler !



EWO Heating Vitaliser



EWO VITAL - Heating Vitaliser