

PRODUCT DATA SHEET

EWO® VITAL (heating and cooling circuits)



APPLICATION

Deposits are created due to unnatural conditions in the circuits, which can lead to technical problems and increasing energy and maintenance requirements.

EWO® VITAL supplies heating and cooling circuits with optimized water. This can counteract deposits. A continuous and permanent function is given.

FUNCTIONALITY

EWO® VITAL works with the **3 mechanisms of the EWO® water optimization**:

- + turbulence
- + information transfer
- + magnetism

PRE-CONDITIONS FOR INSTALLATION

Local installation regulations, general guidelines and technical data must be noted.

The installation location must be frost-proof and ensure protection against chemicals, dyes, solvents, vapors and environmental influences.

MOUNTING INSTRUCTIONS

- horizontal or vertical mounting, **always on the pressure side**
- use neutral junctions made of brass, red brass or stainless steel for device connection
- EWO® VITAL has no certain flow direction
- keep at least 50cm distance (linear distance) to electrical equipment, e.g. pumps (distance to electrical and electromagnetic fields)
- provide calming section after mounting spot
- do not put live cables on or around water pipes
- the device must not touch damp walls or floors
- it is imperative to install the enclosed electrical bridging (earthing clamps + cables)

TECHNICAL DATA

EWO® VITAL		TECHNICAL DATA									
Dimension	Inch	3/8"	1/2"	3/4"	1"	5/4"	2"	DN65	DN80	DN100	DN150
Nominal size	DN	10	15	20	25	32	50	65	80	100	150
Max. water pressure	bar	10									
Operating temperature	°C	1 – 90									
Flow rate Δ 0,1bar	m³/h	0,7	1,2	3,4	4,8	7,5	19	30	43	77	172
Flow rate Δ 0,2bar	m³/h	1	1,8	4,6	7,1	11	28	44	64	114	256
Total length	mm	80	100	150	160	200	235	324 incl. flange	330 incl. flange	370 incl. flange	550 incl. flange
Diameter	mm	35	56	70	80	115	133	185	200	220	285
Weight	kg	0,2	0,5	1	1,4	2,7	4,8	12,5	16,3	20,8	43
Boiler output	kW	n.A.	<50	<50	>50	>100	<500	>500	>500	<1.000	>1.000
Heating system volume, approx.	m³	n.A.	2	2	3	4	5	8	10	20	40
Calming section	cm	10	10	10	20	25	30	30	35	40	50

OPERATION & MAINTENANCE

EWO® VITAL is maintenance free.

SCOPE OF DELIVERY

1 EWO® VITAL with threads or flange (depending on device size)
1 electrical bridging (earthing clamps + cables)
1 installation instructions

WARRANTY

The latest version of the national statutory warranty provisions apply.

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The information corresponds to the knowledge available at the time of preparation. Printing errors, mistakes and changes are reserved. Illustrations are not to scale. All information is based on the characteristics of the Austrian market.
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