

MOUNTING INSTRUCTIONS

EWO® HB-Pro heating protection filter, with optimization module



APPLICATION

The Austrian standard ÖNORM H5195-1 recommends the installation of a suitable circuit filter to protect the heat supply system in new systems and existing systems.

FUNCTIONALITY

EWO® HB-Pro offers:
effective filter effect with filter fineness
50 / 100 / 200µm

EWO® water optimization with optimization module



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 mounting between shut off devices
- use neutral junctions made of brass, red brass or stainless steel for device connection
- EWO® HB-Pro has a **certain flow direction**
- keep at least 50cm distance (linear distance) to electrical equipment, e.g. pumps (distance to electrical and electromagnetic fields)
- ensure good potential equalization in the boiler room
- do not put live cables on or around water pipes
- mount optimization module only as shown below



The screw and the flattened wings of the insert mark **the top side** (= on the filter housing head)

TECHNICAL DATA

EWO® HB-Pro		Technical Data			
Dimension	inch	1"	5/4"	6/4"	2"
Nominal size	DN	25	32	40	50
Max. water pressure	bar	10			
Operating temperature	°C	1 – 90			
Flow rate Δ 0,2bar*	m ³ /h	8	10	11	12
Total height	mm	404	404	420	432
Total width	mm	130	135	150	160
Weight	kg	5	5	5,5	6,1
Boiler output	kW	>50	>100	<500	<500
Heating system volume, approx.	m ³	2	3	<5	<5

*Throughput value determined with 100µm filter candle without any pollution

OPERATION AND MAINTENANCE

Regular cleaning and maintenance of the filter is imperative. The filter cartridge must be cleaned at the latest when a pressure difference builds up (indicated by the difference in the pressure gauges).

SCOPE OF DELIVERY

1 EWO® HB-Pro brass filter housing
 1 stainless steel filter element (depending on selection 50, 100, 200µm) incl. seal kit
 1 optimization-module
 2 manometers (1/8", 0-4 bar)
 1 drain valve 1/2"
 1 filter wrench
 1 installation instruction

Optional:

EPP-insulation	article number
1"	ISOF100
5/4"	ISOF125
6/4"	ISOF150
2"	ISOF200



WARRANTY

The latest version of the national statutory warranty provisions apply.

Contact:

Name: EWO Wassertechnik GmbH
 Street: Anzing 48
 ZIP-Code: 4113
 City: St. Martin/Mühlkreis
 State: Austria
 Tel: +43 7232 2754-0
 E-Mail: office@ewo-wasser.at

The copyright of this manual remains with the manufacturer. No part of this manual may be reproduced, processed, or distributed using electronic systems in any form without the written permission of EWO Wassertechnik GmbH. 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.
 Edition: September 2020