



# SHELL GmbH

## " K " SERIES

### HEATING PUMP VACUUM CONCENTRATORS

Compact plant, operating with electric energy, suitable for the concentration of watery-base liquids for a substantial reduction of volumes to send to disposal and to recycle the distillate in the working processes.

Possibility of partial or total recuperation of concentrates containing re-utilizable substances, metals or acids.

The evaporator automatically operates in continuous cycle on 24 hours. All charging and discharging operations are carried out automatically, as it doesn't require particular over-seeing or maintenance.

The ebullition of liquid in boiling chamber, which occurs at about 30° C temperature, allows the treatment of different products avoiding the deterioration of the same and preserving the construction components and materials, chosen according to the liquids to treat.

Dimensions and equipment can be flexible and personalized according to the user exigencies.

**mod. "ECOPRIMA" 500 K**

### TECHNICAL FEATURES

- production liters/hour ~ 2l
- consumption W/lit 160
- electrical input 8 A
- noise <75 dB
- weight Kg. 450
- dimensions HxLxD 2070x1750x900 mm

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## K series models

Mod.	production liters/h	installed power kWh	dimensions cm L x P x H
150-K	6	2,3	140 x 75 x 180
250-K	10	3,0	140 x 80 x 180
350-K	15	3,5	150 x 80 x 185
500-K	21	4,2	160 x 90 x 200
750-K	31	5,9	210 x 110 x 210
1000-K	42	7,8	210 x 110 x 225
1500-K	63	10,7	260 x 120 x 200
2000-K	83	14,1	260 x 120 x 230
2500-K	104	17,7	260 x 120 x 250
3000-K	125	20,0	260 x 120 x 250
4000-K	167	26,7	260 x 140 x 250
5000-K	208	33,2	280 x 150 x 270
6000-K	250	40,0	280 x 170 x 270
7000-K	292	46,7	290 x 190 x 300
8000-K	333	53,2	290 x 190 x 300
10000-K	417	66,7	300 x 200 x 300
12000-K	500	80,0	310 x 210 x 300

The energy consumption are extremely low thanks to the optimization of heating pump principle combined with vacuum technique.

The constant research for the improving of this technology allows us to offer innovative, qualitative, highly safe and easy to run products.

Our staff can supply own advice for the plant's technical characteristics, suggesting suitable solutions for particular and specific problems.

### PLAN of APPLICATION EXAMPLE of "ECOPRIMA" CONCENTRATOR for TREATMENT of OIL EMULSIONS from WIREDRAWING

