In order to evaluate OMG offers objectively, we please ask you to consider the following technical features which identify our filter pumps:

1) the uses of materials that are resistant to wear, time action, acid and alkaline solutions

- All the components of the filter pumps are produced in our mechanical workshop (no plastic moulded component) by turning and milling polypropylene, PVC (high temperature resistant). and 316L stainless steel plates and rods

2) motor electric power (HP – KW) → filter pump effective capacity and unit pump capacity

- Once fixed the filter pump effective capacity needed, the first technical data to be verify is the **ELECTRIC POWER MOTOR** because it determines unequivocally filter pump **capacity and effective capacity**: for instance, an effective capacity of **5.000 l/h** (our CESE5 model) can be generated by an electric power motor of **hp 1 (kw 0,7)**: as a matter of fact, TE25 unit pump has a capacity of **10.000 l/h**, which is reduced by **50%** once the unit pump is mounted on the filter pump;

3) filtering surface (mq) and filtration degree:

- The filtering block design (filter insert / filter cartridge) guarantees a high filtration surface and a high filtration degree **<1 micron**

Please note: as per our experience, the right division

bath dimension / effective capacity

has to be 1 : 3

The respect of the above division allows to reach a dual objective:

- to replace filter cartridges with less frequency
- to ensure a high filtration degree that means the achievement of high quality standards on the final product

4) Activated carbon powder filtration

Particular filtering processes require an electrolytic solution treatment with activated carbon. For such purpose, the filter can be specifically clogged with powdered activated carbon. The important quantity indicated in the table below, guarantees a high capacity of retention of undesirable substances:

Filter pump model	quantity of carbon
CESE2	0,5 kg
CESE3	1,00 kg
CESE5	1,5 kg

Technical dept.
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