

## Operating Instructions

English

### 1. Purpose and Effect

The Katadyn Filter type KFT serves for the filtration and degermination of water, thus rendering natural water potable. The contents of minerals and salts is not altered; the water is not softened; sea-water does not get desalinated. Harmful bacteria are removed, e.g. germs causing typhoid, dysentery, cholera, colibacillose, amoebic and bacterial diarrhoea, bilharzia, etc.

Katadyn Filters do not impart any foreign substances to the water. The Katadyn Filter Element itself does not get infected as it is bactericidally impregnated by the Katadyn process. This impregnation may cause a slight discolouration of the ceramic material, which is, however, insignificant. Certain naturally coloured water types may not completely lose their colouration by Katadyn filtration. Nevertheless, they are germfree and potable.

### 2. Operation

- 2.1 Carefully remove Katadyn Filter from canvas carrying bag.
- 2.2 Loosen holding screw 20179 and then fix the Filter with its pump incorporated by means of this screw at the correct operating level on the support 20161.
- 2.3 Loosen wing screw 22303; turn locking device down on both sides; raise lid 20170 with the Filter Element 1040 screwed in, and remove the protecting covering applied for transport.
- 2.4 Make sure that the Filter Element is properly screwed in; gasket 10305 must seal tight. Be careful not to tighten the screw excessively, as this may make the rubber gasket squeeze away.
- 2.5 Immerse sucking hose 22470 and sieve 22322/20/21 into the raw water.
- 2.6 Turn outlet tube 20172 to front; this tube should be absolutely clean; fasten cap nut 20171.
- 2.7 Start pumping by moving the pump handle 20181/89 up and down. After about 20 pumping strokes the clean, disinfected water will flow through outlet tube 20172.

### 3. Cleaning

The Filter Element must be cleaned when, after having been in operation for some time, a certain resistance to the filtration process is noticed, while the water flow diminishes, or the overpressure relief valve 22307 is discharging (at 112 lbs p.s.i.). The higher the contents of suspended matter present in the water the more frequently the Filter Element requires cleaning.

- 3.1 Loosen wing screw 22303 and turn locking device down on both sides.
- 3.2 Take the ceramic element 1040 with lid and outlet tube out of the filter housing and clean with brush 22500 (contained in the inner pocket of the canvas bag). Any coating deposit must be brushed off until the natural light colour of the ceramic is restored. Use no soap, emery-based cleaning material or disinfectants. Sterilising the Filter Element by means of scalding out or by steam is unnecessary and might damage the gaskets.
- 3.3 Clean the filter housing 20160 periodically.
- 3.4 Remove the Filter Element and clean it as described under 3.2 should the Filter not be used for some time. Allow it to dry for at least 5–10 hours in a ventilated room. This will prevent the Filter Element from musty smell.
- 3.5 Make sure that the Filter Element is screwed in tightly (see under 2.4); reassemble the Filter.
- 3.6 Make sure that the upper valve piece is clean so that the over-pressure relief valve 22307 can seal properly. If necessary, open the valve by means of the slot at the top of stand 20161 and clean it.
- 3.7 Protect clean water outlet of the Filter Element and outlet tube against pollution.

### 4. Trouble Shooting

Should, after approximately 20 pumping strokes, no water flow through the outlet tube, please check:

- if sucking hose 22470 is cracked
- if sucking sieves 22320/21 are clogged, or stick to the ground
- if screw cap 20174 (at the upper end of the sucking hose) is tightened properly
- if piston gasket 28501 is defective

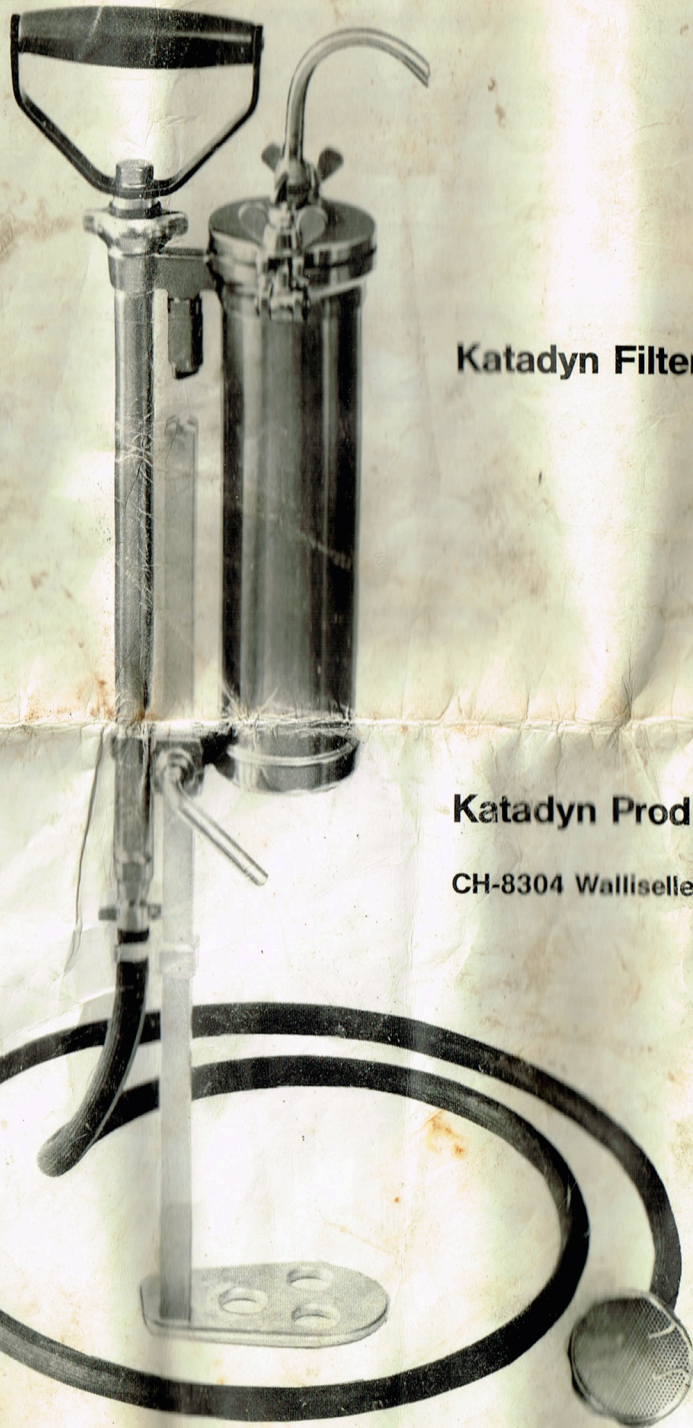
If water squirts out along the piston handle 20189 fasten nut wing 20187; if still leaking, gasket 28500 has to be replaced.

### 5. Checking the Filter Element

The Element must be free of cracks and hairline fissures. Even fine hairline cracks are noticeable by an increased water flow as compared to the usual flow rate. As long as the ceramic of the Filter Element is intact, and the gaskets are not damaged by scalding out or rough handling, Katadyn Filters supply clear, disinfected drinking water. To prevent the hazard of breaking in the course of operation we recommend to replace the Filter Element when the ceramic material has worn down in such a way that the ceramic material measures at its thinnest point 5" in circumference. A possible uneven abrasion has been considered in this cipher.

### 6. Replacing the Filter Element

As soon as the Filter Element gets defective by damaging, or too thin by brushing, it has to be replaced by a new self-disinfecting Katadyn Filter Element 1040. Take care that the rubber gasket 10305 is inserted properly.



**Katadyn Filter Type KFT**

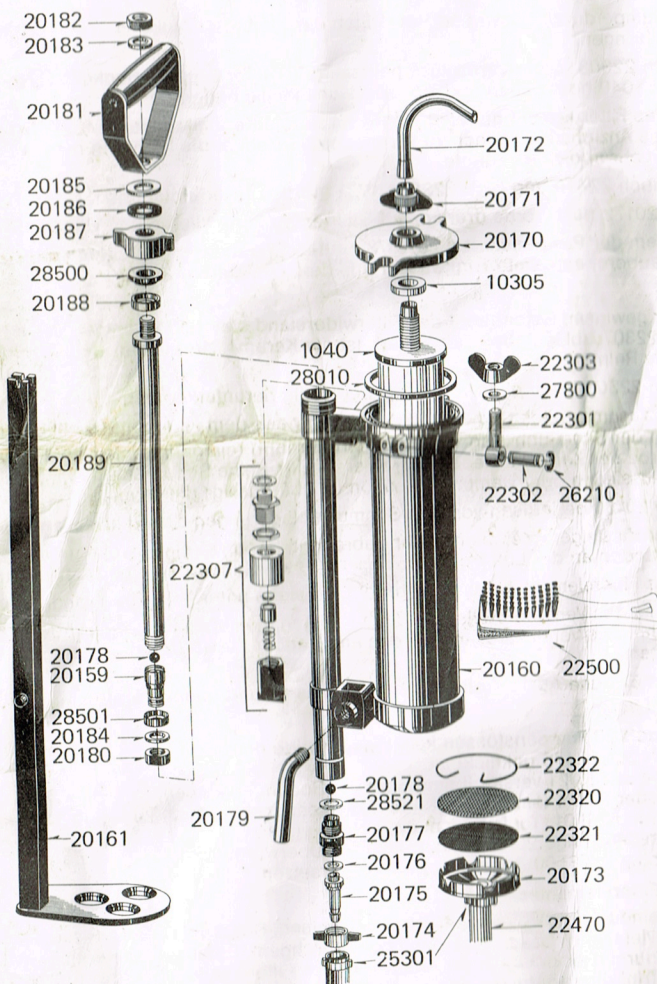
**Katadyn Products Inc.**

**CH-8304 Wallisellen/Switzerland**



## Katadyn Kolbenpumpenfilter KFT Modell 2050

## Katadyn Piston Pump Filter KFT Model 2050



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- 2.3 Loosen wing screw 22303; turn locking device down on both sides; raise lid 20170 with the Filter Element 1040 screwed in, and remove the protecting covering applied for transport.
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- 2.6 Turn outlet tube 20172 to front; this tube should be absolutely clean; fasten cap nut 20171.
- 2.7 Start pumping by moving the pump handle 20181/89 up and down. After about 20 pumping strokes the clean, disinfected water will flow through outlet tube 20172.

### 3. Cleaning

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