

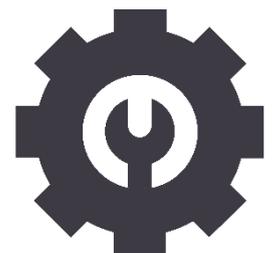


## Catalogue of column distillation boilers – Fracto d.o.o.

### 1. General description

Fracto d.o.o. distillation products are intended for distillation of spirit drinks and separation of other chemical substances. The main attributes of the boilers are:

- **Column tower** – it allows just a single distillation in the production of spirit drinks. Due to multiple condensations and evaporations the same effect is achieved as with multiple distillation. Since the whole distillation process is made in one step, more flavor and taste are also preserved in the spirit.
- **Easy filling and emptying** – the filling manhole allows you to fill with a sting or pump without removing the distillation column or heavy tops. A large discharge valve ensures that the boiler is emptied controlled after the process. A knee and reinforced sewer pipe can be added on.
- **Simple and precise distillation control** – the basic electric kettles are equipped with electric heaters which can be partially switched off with partial switches and such control the distillation speed.
- **Double coat** – allows the mash to be heated from all sides which is why it does not grip/burn on the bottom. It also allows for a more homogeneous temperature throughout the volume.
- **Electro-polished stainless steel parts** – a smooth surface throughout the surface (including welds) allows us to clean the surfaces very easily and quality after distillation. A smooth surface without pores also prevents the growing and reproduction of bacteria inside the boiler.
- **Pipe cooler and deflagmator** – both heat exchangers allow optimal cooling of spirits and low consumption of the production space due to their design. A constant minimum flow of water is required for which we can also use rainwater, a nearby spring or an air conditioner.
- **Discharge separation pot** – it is adapted for the alcoholometer for continuous monitoring of ethanol concentration and an additional discharge valve is installed for separate discharge of methyl alcohol (head or first flow).
- **Copper boiling plates and mesh** – due to the need for copper as a catalyst for the distillation of spirits, column interior is made of protolithic copper. Copper mesh is added in the rolls which replaces full boiler being made of copper.
- **Instructions and 2-year warranty**
- **Technical and production technology assistance** – In the development of your spirit drink we offer professional assistance as the selection of equipment, parameters and preparation of distillate.





---

## 2. Standard distilleries models

### 2.1. 100l distiller

- 200mm filling manhole
- 125mm drain valve
- Stainless steel columns with side glass (4x  $\phi$ 100x150), dephlegmator ( $\phi$ 100x150) and main cooler ( $\phi$ 50x600)
- Electrical cabinet with fuses and contactors, 1 x 6kW electrical heater (option to upgrade to 8kW)

### 2.2. 120l distiller with mixer

- Mixer with 360W motor reductor
- 250mm filling manhole
- 125mm drain valve
- Stainless steel columns with side glass (4x  $\phi$ 100x150), dephlegmator ( $\phi$ 100x150) and main cooler ( $\phi$ 50x600)
- Electrical cabinet with fuses and contactors, 1 x 8kW electrical heater (option to upgrade to 10kW)

### 2.3. 130l distiller heated on fire

- 250mm filling manhole
- 125mm drain valve
- Stainless steel columns with side glass (4x  $\phi$ 100x150), dephlegmator ( $\phi$ 100x150) and main cooler ( $\phi$ 50x600)
- Third fireproof coat made of 3mm sheet, wood-fired or propane/butane heating

### 2.4. 200l distiller with mixer

- Mixer with 360W motor reductor
- 250mm filling manhole
- 125mm drain valve
- Stainless steel columns with side glass (4x  $\phi$ 150x150), dephlegmator ( $\phi$ 150x150) and main cooler ( $\phi$ 75x680)
- Electrical cabinet with fuses and contactors, 2 x 8kW electrical heater (option to upgrade to 2x10kW)

### 2.5. 300l distiller with mixer

- Mixer with 360W motor reductor
- 300mm filling manhole
- 125mm drain valve
- Stainless steel columns with side glass (4x  $\phi$ 200x150), dephlegmator ( $\phi$ 200x200) and main cooler ( $\phi$ 75x700)
- Electrical cabinet with fuses and contactors, 3 x 8kW electric heater (option to upgrade to 3x10kW)



---

### 3. Accessories

- **Automatic distillation management system** enabling:
  - Control of the heating device (electric, gas or oil heater) according to a pre-defined five-step heating curve.
  - Separation of alcohol into 3 streams: flower, head and tail.
  - Advanced control of the cooling system of the deflagmator and refrigerator. The thermostatic function with adjustable temperature and hysteresis is upgraded with partial opening on/off
- **Gin basket aromatizer** – a container in which fresh or dried spices can be inserted: brin, sarek's groves, citrus fruits, gin spices,...
- **90° pipe curve** for controlled emptying
- **Insulation** of boiler with third coat and stone wool
- **Additional connectors for filling, manometers...**

### 4. Manufacture of custom boilers/equipment

- According to your application's needs, we produce complete documentation and a distillation boiler/system
- Before ordering, we draw and define all the specifications together
- Payment options: 30/70

### 5. Delivery and assembly

- By agreement, delivery and installation are possible at the client's location
- Payment before the service is made

### 6. Spare parts

- Seals, heaters, pipes, programmers, contactors, fuses...
- All standard spare parts are always available at the company's headquarters, and by appointment can be send by post

Fracto, proizvodnja in trgovina d.o.o..

Ulica Jurija Vege 5, 5280 Idrija

+386 70 730 425; fracto.info@gmail.com



*Fracto, proizvodnja in trgovina d.o.o..*

*Ulica Jurija Vege 5, 5280 Idrija*

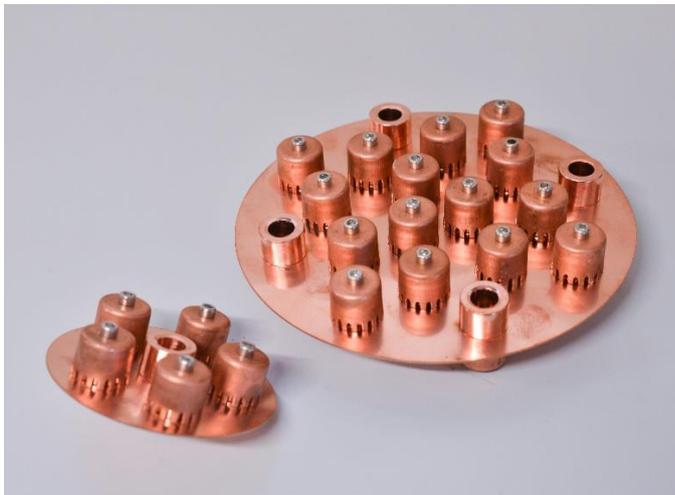
*+386 70 730 425; fracto.info@gmail.com*



Fracto, proizvodnja in trgovina d.o.o..

Ulica Jurija Vege 5, 5280 Idrija

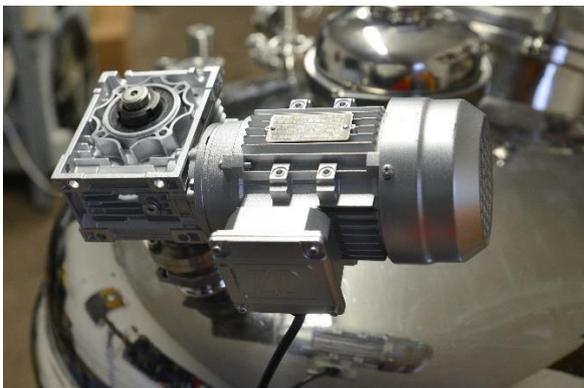
+386 70 730 425; fracto.info@gmail.com



Fracto, proizvodnja in trgovina d.o.o..

Ulica Jurija Vege 5, 5280 Idrija

+386 70 730 425; fracto.info@gmail.com



Fracto, proizvodnja in trgovina d.o.o..

Ulica Jurija Vege 5, 5280 Idrija

+386 70 730 425; fracto.info@gmail.com

