**Extraction**

- **Loading capacity**: 2 x 5L net
- **Extractor volume**: 2 x 6.6L
- **CO₂ flowrate**: 30 kg/h
- **Max pressure**: 400 bar
- **Max temperature**: 100°C

**Separation**

- **Capacity**: 2 x 1L heated
  - 1 x 1L cold trap
- **Max pressure**: 200 bar
- **Max temperature**: 100°C

Independent pressure and temperature control allows extract fractionation.

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**SFE PROD 2x5+**

**Standard Range**

- We always talk about effective loading capacity, not about the volume of the extractor
  - 2x10^2
  - 2x20^2
  - 2x25^2
  - 2x50^2
  - 2x100^2

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**Co-solvent pump**

- Boost and increase your CO₂ extraction by injecting a 2nd solvent into the CO₂ stream while the extraction is running
- Allows an easy cleaning of the machine
- Included in the standard equipment

**Innovative CO₂ piston pump**

- Flow rate is automatically controlled with a frequency drive and an integrated flow controller
- Use of a coriolis flowmeter

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**Plug & Play**

- Easy to install, start up and use
- User friendly system

**100% automated process**

- Fully automated extract collection, valves, vessel switching, data recording...
- Preset recipes
- Operator free: all you need to do is press the start button!

**PLC control**

- User friendly control panel, multiple connections for remote control
- No computer obsolescence

**Continuous production**

- No time loss: possibility to load another basket while extraction is going on

**Modular, Mix & Match System**

- Expandable capacities (possibility to add extractors) and flexible skids
- Xtramile optimisation (contact us for customised process optimisation)

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**Service & Support**

- Reliable service and expert support
  - Installation, commissioning, training, maintenance, scale up

**Premium equipment**

- High standards
  - Safe technology, secured parameters and data recording

**Compact**

- Minimum footprint
- Easy access to all components
Technical data / installation requirements

Process fluid: Liquid CO₂ in deep pipe cylinder stored at room temperature.
Power: Equipment - single-phase / 230V / 50Hz / 32A
Chiller - single-phase / 230V / 32A directly plugged into and powered by the equipment.
Vent line: 1/2” OD pipe
Cooling source: A water chiller, supplied by SFE Process must also be connected to the skid with two 3/4” tubes. The chiller can be placed next to the system, outside or in an adjacent ventilated room.
Air pressure: 07.5 bar - oil free (not supplied)
Dimensions: Equipment: L 1820 x W 1060 x H 1811 mm | Chiller: L 445 x W 575 x H 640 mm
Weight: Equipment: 850 kg | Chiller: 80 kg

State-of-the-art design and technology
All our systems are CE marked for Europe according to the PED/2014/68/UE norm. Our systems can be adapted to international standards: ASME, CRN...

4 versions available: | Standard | GMP ready | full GMP | 21 CFR PART 11

Examples of performance achieved by our customers using a SFE Prod 2x5°

<table>
<thead>
<tr>
<th>With our SFE Prod 2x5°</th>
<th>Cannabis extraction (oil basis, 0.5)</th>
<th>Vanilla extraction (oil basis, 0.5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feedstock processed per extraction</td>
<td>2 x 1.5 kg</td>
<td>2 x 0.25 kg</td>
</tr>
<tr>
<td>Duration of a full extraction</td>
<td>4 hours</td>
<td>1.5 hours</td>
</tr>
<tr>
<td>Feedstock processed over 24h</td>
<td>up to 18 kg</td>
<td>up to 8 kg</td>
</tr>
<tr>
<td>Feedstock processed over a year*</td>
<td>up to 4,020 kg</td>
<td>up to 1,920 kg</td>
</tr>
</tbody>
</table>

*Calculated on a 250 days/200 days/year operation basis.

CO₂ concentration of your plant | Quantity of oil / year | Quantity of oil / year
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>5%</td>
<td>216 kg</td>
<td>216 kg</td>
</tr>
<tr>
<td>10%</td>
<td>432 kg</td>
<td>432 kg</td>
</tr>
<tr>
<td>15%</td>
<td>648 kg</td>
<td>648 kg</td>
</tr>
</tbody>
</table>

1 phase – 4 to 7 % | Multiphase – 25 to 24 % | Complete vanilla oil
| 115 to 530 kg | 480 to 500 kg |

These are theoretical figures that will vary according to the quality of your raw material,

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Please contact our experts for a custom-made solution!

Leading designer of innovative supercritical CO₂ solutions