

### STANDARD RANGE

### SFE LAB 1+

+ We always talk about **effective loading capacity**, not about the volume of the extractor

2+  
0,1+  
0,5+



#### Extraction

**Loading capacity** 1L net  
**Extractor volume** 1,6L  
**CO<sub>2</sub> flowrate** 100 gr/min  
**Max pressure** 700 bar  
**Max temperature** 100°C

#### Separation

**Capacity** 1 x 200ml heated  
**Max pressure** 200 bar  
**Max temperature** 100°C

➔ Independent pressure and temperature control allows extract fractionation

#### Co-solvent pump

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

#### Innovative CO<sub>2</sub> piston pump

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



#### Plug & Play

Easy to install, start up and use  
User friendly system



#### Compact

Minimum footprint  
Easy access to all components



#### PLC control

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



#### Modular, Mix & Match system

Expandable capacities (possibility to add extractors) and flexible skids



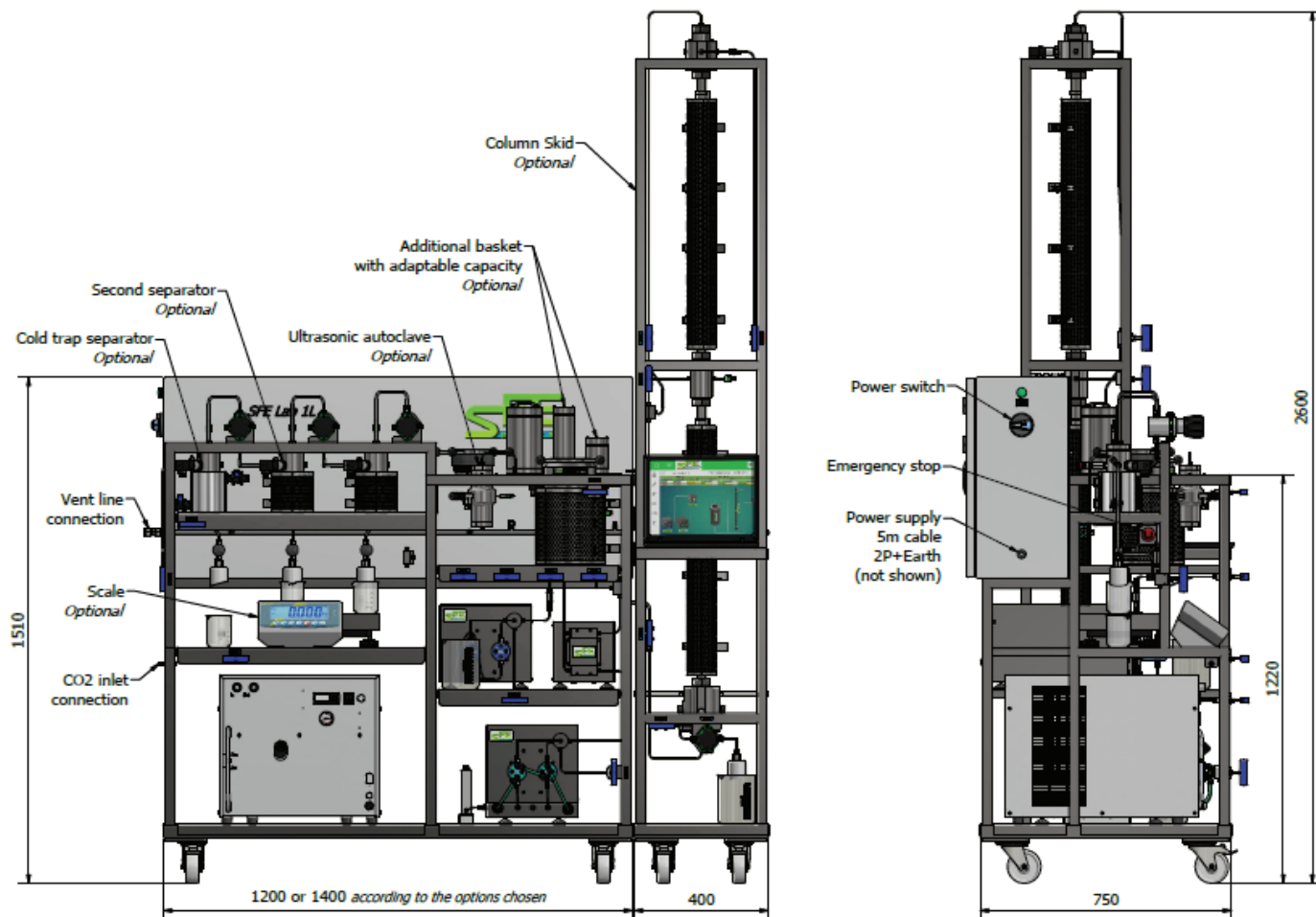
#### Service & support

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



#### Premium equipment

High standards  
Safe technology, secured parameters and data recording



## Technical data / installation requirements

<b>Process fluid</b>	Liquid CO <sub>2</sub> deep pipe cylinder stored at room temperature 1/4" OD pipe
<b>Power</b>	Equipment: single-phase / 230V / 50Hz / 20A Chiller: single-phase / 230V / 32A directly plugged into and powered by the equipment
<b>Cooling source</b>	A water chiller is already connected to the skid and supplied into the equipment
<b>Air pressure</b>	@7,5 bar - oil free (not supplied)
<b>Dimensions</b>	L 1 200 or 1 400 x W 750 x H 1 510 or 2 600 mm (according to the options chosen)



### 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 options available:

- Additional basket(s) with adaptable capacity
- Additional separator(s) (heated or cold trap)
- Scale
- Fractionation column skid
- CO<sub>2</sub> cylinder pressure control with heating band
- ...

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Please contact our experts  
for a custom-made  
solution !



Leading designer of innovative  
supercritical CO<sub>2</sub> solutions