

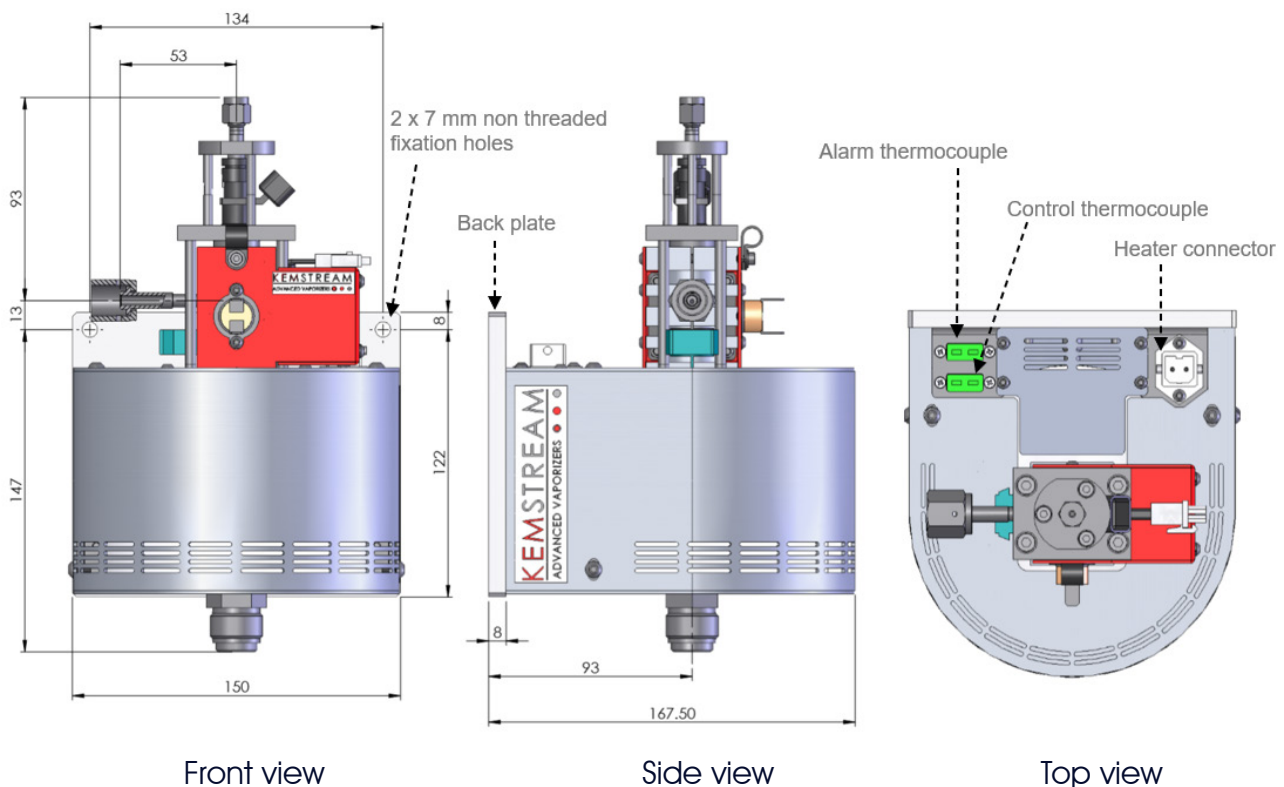
VAPBOX 300



- Vaporizes pure liquid compounds and solid ones dissolved in a carrier liquid (organic solvent) up to 250°C.
- Is able to handle and vaporize most of solid and liquid compounds including low vapor pressure, thermally labile and viscous ones.
- Provides high and unmatched performances based on a pulsed injection of a mixture of liquid and carrier gas. That pulsed injection is performed by a proprietary Injection Head (atomizer) and allows a very fine atomization and thus flash vaporization of the liquid.
- Also features an improved internal design with integrated baffle

DIMENSIONS (mm)

Total weight is about 6 kg



TECHNICAL SPECIFICATIONS

Injection Head (liquid inlet)

- 1

ICU (Injection Control Unit)

- 24 VDC or 110-230 VAC remote and rackable 19" 2U unit

Heating:

- 1 heating zone, up to 250°C, 400 W
- 2 K type thermocouples: (1 for control, 1 for alarm)

Fittings:

- 1/8" compression type or 1/8" VCR male fitting
- 1/4" VCR female fitting for carrier gas inlet
- 1/2" VCR male fitting for vapor outlet

Versions (heater):

- 230 VAC version and 115 VAC version

Accessories:

- Liquid flow controlling kit including a Liquid Flow Meter (LFM)
- Liquid panel including a precursor tank and with an optional solvent tank (for rinsing purpose)
- Carrier gas panel including a carrier gas Mass Flow Meter (MFM)
- TCU (Temperature Control Unit): 19" remote and rackable 3U unit

Flows range:

- Typical carrier gas flow range = 120 to 5000 sccm
- Typical liquid flow range = 0.1 to 10 g/min

ORDERING INFORMATION

Injection head

HB4 - S2V F4 H

Liquid inlet fitting	
S2V	1/8" Swagelok
M2V	1/8" VCR male

Carrier gas inlet fitting	
F4	1/4" VCR female (standard)
M4	1/4" VCR male
S4	1/4" Swagelok
T4	1/4" OD tube

Carrier gas inlet direction	
H	Horizontal (standard)
V	Vertical

Vaporizer

V03 HB M8 V-2

Voltage (for heating)	
HB	230 VAC
LB	115 VAC

Vapor outlet fitting	
M8	1/2" VCR male (standard)
M4	1/4" HVCR male
	other fittings upon request

Vaporizer pressure (process P)	
V-2	from 0 to 1.5 bara
A-2	above 1.5 bara