

VC series
Fully automatic Vacuum Pressure
Casting Machines

VC 450 / VC 450 V



VC 480 V



Vibration
Technology

picture with optional
vacuum chamber
for large flasks

VC 650 V



SweepMode
Vibration

VC 680 V



SweepMode
Vibration

performance

power max. / electrical connection
temperature max.

4.5 kW 3x400 V
1400° C

8 kW 3x400 V
1600° C

12 kW 3x400 V
1700° C

12 kW 3x400 V
1700° C

capacity

crucible volume

■ 170 ccm = 2.5 kg Au 18 ct*

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○ 245 ccm = 3.6 kg Au 18 ct*

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○ 386 ccm = 5.8 kg Au 18 ct*
○ 700 ccm = 10.5 kg Au 18 ct*

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for use of flasks up to

ø 130 mm / 240 mm h

■ ø 130 mm / 240 mm h
○ ø 160 mm / 400 mm h

■ ø 130 mm / 240 mm h
○ ø 160 mm / 400 mm h

■ ø 130 mm / 240 mm h
○ ø 160 mm / 400 mm h

handling+control

vibration technology

- / ■ VC 450 V

■

■ in sweep mode

■ in sweep mode

automatic bell lock/automatic closing system

■/-

■/-

■/■

■/■

maximum pressure

■ 1.5 bar/○ 3.0 bar

■ 1.5 bar/○ 3.0 bar

3 bar

3 bar

program control/number of programs

■ by LCD-display, full text readout/20

■ by LCD-display, full text readout/100

■ by LCD-display, full text readout/100

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dual temperature control

○

○

○

○

flask temperature measurement

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-

■

■

automatic feeding system w/ autom. sealing rod

-

-

-

■

automatic flask and chamber lift

■

■

■

■

variable vacuum in flask chamber

-

■

■

■

turbo pressure/turbo pressure PLUS system

■/-

■/○

■/■

■/■

additional gas tank for turbo pressure PLUS

-

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-

■

turbulence reduction software

■

■

■

■

HSC feature

○

○

○

○

quality management

RS 232, Ethernet, USB interface, diagnostic system

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■

■

■

data printer

○

○

■

■

GSM-modem for remote service

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○

■

■

accessories

sintering kit (for diffusion bonding)

○

○

○

○

granulation tank

○

○

○

○

* Liquid metal up to top level of the crucible ■ = standard equipment ○ = optional