

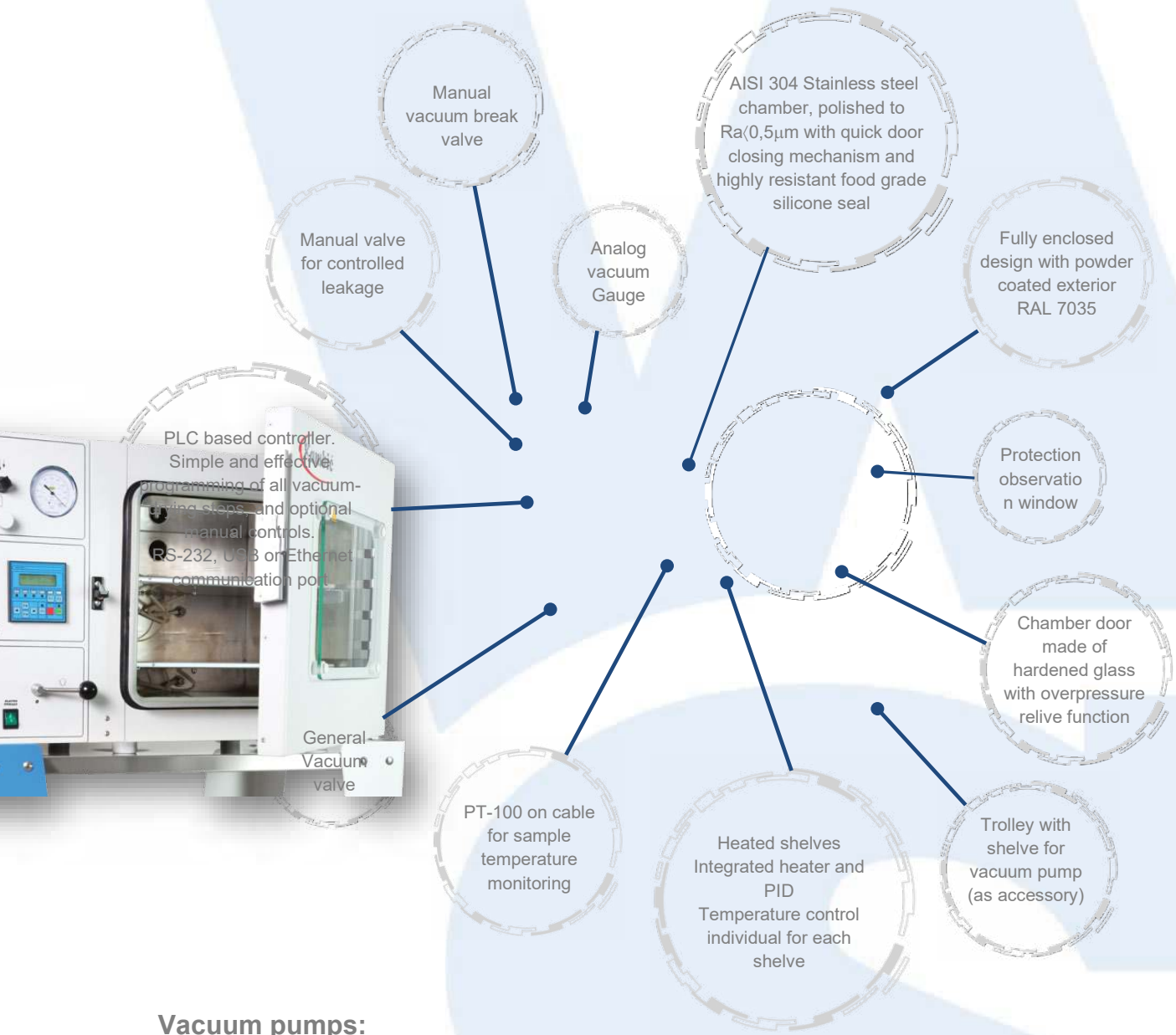
Vacuum Oven

VS-8 SC
VS-25 SC
VS-50 SC
VS-130 SC

Drying in vacuum down to 1 mbar with heated shelves:

- Determination of vacuum drying process parameters
 - Low temperature evaporation
 - Drying curves determination
 - Dry mass determination
 - Pilot vacuum drying





Vacuum pumps:

Basic
Oil rotary vane
Rated capacity:
180L/min
(RS9D)



Advanced
Oil rotary vane
Rated capacity:
5,8 m³/h
(RV-5)



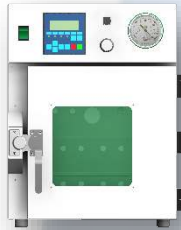

Advanced
Chemistry
Rated capacity:
3.4 m³/h
(MD4CAKEK)


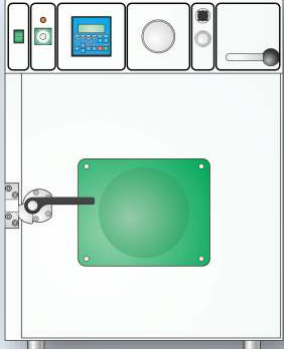


Advanced
Dry
Rated capacity:
12,7 m³/h
(nXDS10i)



Technical data:

	VS-8 SC	VS-25 SC
		
External dimensions (WxHxD) in mm	390 x 500 x 425	480 x 602 x 430
Internal dimensions (WxHxD) in mm	200 x 200 x 208	300 x 275 x 307
Volume (L)	8	25
Temperature range (°C)	T _{ambient}200°C	T _{ambient}200°C
Temperature display resolution (°C)	0,1	0,1
Temperature set resolution (°C)	0,1	0,1
Temperature stability (°C)	0,1	0,1
Temperature uniformity (°C)	± 0,4°C @ 60°C ± 0,7°C @ 100°C ± 0,8°C @ 150°C	± 0,4°C @ 60°C ± 0,7°C @ 100°C ± 0,8°C @ 150°C
Shelve	2	2
Shelve dimension (mm)	185 x 158	280 x 245
Shelve inter-distance (mm)	~80	~80
Heat-up rate	~ 2 °C / min	~ 2 °C / min
Temperature control	PID	PID
Power supply	230V ; 50 Hz	230V ; 50 Hz
Wattage (W)	1800	2000
Interface	RS 232 or USB or Ethernet	RS 232 or USB or Ethernet
Access port (standard)	NW-40	NW-40
Noise (dBA) @ 1 m distance	NA	NA
Weight (kg)	42	53

	VS-50 SC	VS-130 SC
		
External dimensions (WxHxD) in mm	730 x 510 x 495	675 x 856 x 725
Internal dimensions (WxHxD) in mm	405 x 340 x 370	495 x 495 x 530
Volume (L)	50	130
Temperature range (°C)	T _{ambient} ...200°C	T _{ambient} ...200°C
Temperature display resolution (°C)	0,1	0,1
Temperature set resolution (°C)	0,1	0,1
Temperature stability (°C)	0,1	0,1
Temperature uniformity (°C)	± 0,7°C @ 60°C ± 0,8°C @ 100°C ± 1,1°C @ 150°C	± 0,5°C @ 60°C ± 0,6°C @ 100°C ± 1,6°C @ 150°C
Shelve	2	5
Shelve dimension (mm)	400 x 320	480 x 480
Shelve inter-distance (mm)	~100	~70
Heat-up rate	~ 2 °C / min	~ 2 °C / min
Temperature control	PID	PID
Power supply	230V ; 50 Hz	3 x 400V ; 50 Hz
Wattage (W)	2500	5000
Interface	RS 232 or USB or Ethernet	RS 232 or USB or Ethernet
Access port (standard)	NW-40	NW-40
Noise (dBA) @ 1 m distance	NA	NA
Weight (kg)	98	236

Ordering information and accessories:

Description	Part no.
Vacuum oven VS-8 SC	220
Vacuum oven VS-25 SC	202
Vacuum oven VS-50 SC	204
Vacuum oven VS-130 SC	208
Vacuum pump basic oil rotary vane 180L/min (RS9D)	1704
Vacuum pump advanced oil rotary vane 5,8m ³ /h (RV-5)	1705
Vacuum pump advanced chemistry 3,4m ³ /h (MD4CAKEK)	1707
Vacuum pump advanced dry 12,7m ³ /h (nXDS10i)	2626
USB interface	1466
Ethernet interface	1716
VS Software Monitoring & History	1663
Evaluation report	1719
Trolley for VS-25 SC	2617
Trolley for VS-50 SC	2618
Trolley for VS-130 SC	2619

