Perfect suction power in a compact unit – the VSA Systems

Suction and Amalgam Separation in the smallest space

COMPRESSED AIR | SUCTION | IMAGING | DENTAL CARE | HYGIENE

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THE BEST, BY DESIGN

Plug & Play

Thanks to the clever, pre-configured console

The VSA systems combine vacuum generation and separation in a single compact unit. Completely configured with hose lines, connections and a control unit, the VSA 1200 and VSA 900 systems, for example, simplify integration in every surgery, and it does not matter whether they are for new facilities or a modernisation measure. Moreover, central suction and separation improve efficiency compared to systems in the treatment units, as they minimise or even eliminate costs for additional automatic separators, for example.

The VSA principle:

Pre-configured and space-saving, either suspended or standing. Either as VSA 600 on wall/floor brackets or as VSA 900 and VSA 1200 on the plug and play console.

VSA systems

- Maximum suction force without delay
- Variable, space-saving installation
- The two-stage separation brings high foam tolerance
- Suitable for up to 6 treatment units

VSA 300 S

1

VSA 600

2

VSA 900

3

VSA 1200

4

Generazione Tyscor

Latest suction unit technology and software connection

The Tyscor VSA systems are modular in design with a high-performance, energy-efficient centrifugal suction motor and a separate separation stage. The integrated electronics allow control and monitoring of the suction units via the software. In addition, the amalgam separators with standard network connection are not only installed plug & play ready, but can be integrated just as easily into the surgery-supply system digital monitoring and control system via the software. This means the staff always know the status of the devices.

Key features:

- Energy-efficient - energy saving of up to 75%*
- Compact and lightweight
- Network compaticle
- Demand-oriented power consumption
- Intelligent control allows operation of two machines on one suction pipe

A complete overview at a glance – with VistaSoft Monitor

If service intervals are missed, this can not only lead to increased wear and energy consumption, but it can also shorten the service life of your practice equipment – or even cause it to break down completely. Whether by PC or mobile phone, you can keep a clear overview of what is going on in the practice at all times – no matter where you are. As an option, you can also take out a service agreement with a participating specialist dealer so that they take care of looking after your equipment for you. This will leave you free to concentrate 100% on your patients.

In addition, with the aid of a Connect Box you can also integrate devices into your VistaSoft Monitor account that are supplied by other manufacturers or are otherwise not network-capable, thus enabling you to implement basic monitoring of all the key operating parameters for these systems as well.

* measured on the Tyscor VS 4 and a comparable side channel blower by the Fraunhofer Institute

Tyscor VSA 1

1

Tyscor VSA 2

2

Tyscor VSA 4

4

The technical data at a glance

VSA-systems	VSA 300 S	VSA 600	VSA 900	VSA 900	VSA 1200
Voltage (V)	230 (1~)	230 (1~)	230 (1~)	400 (3~)	400 (3~)
Frequency (Hz)	50	50	50	50	50
Max electrical output (kW)	0.58	1.22	1.89	2.01	2.21
Current consumption (A)	2.9	5.0	7.4	3.6	3.8
Vacuum mbar (hPa)	180	170 (AAV)[1]	170 (AAV)[1]	170 (AAV)[1]	170 (AAV)[1]
Max. fluid flow rate (l/min)	4	10	16	16	24
Dimensions without housing (H x W x D cm)	47 x 31 x 32	92 x 52 x 48	95 x 62 x 61	95 x 62 x 61	95 x 62 x 61
Weight without housing (kg)	16	47	59	59	59
Noise level[2] without housing [dB(A)]	approx. 63	approx. 63	approx. 65	approx. 65	approx. 66

VSA-systems	Tyscor VSA 1	Tyscor VSA 2	Tyscor VSA 4
Voltage (V)	230 (1~)	230 (1~)	230 (1~)
Frequency (Hz)	50/60	50/60	50
Max electrical output (kW)	0.7	0.7	1.4
Current consumption (A)	3.3	3.3	6.2
Vacuum mbar (hPa)	160	160	150
Max. fluid flow rate (l/min)	10	10	20
Dimensions without housing (H x W x D cm)	77 x 52 x 48	77 x 52 x 48	96 x 74 x 56
Weight without housing (kg)	35	35	55
Noise level[2] without housing [dB(A)]	approx. 58	approx. 58	approx. 61

[1] AAV = Auxiliary air valve

[2] The noise level applies to the suction unit and is influenced by the setup room. In a reverberant room (e.g. tiled walls), the noise level may be higher.

GOOD DESIGN

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