THE DENTAL SOLUTIONS COMPANY™



Info File Infection Control

Instrument reprocessing in the dental practice

dentsplysirona.com



Infection control systems for a high level of safety

Infection control in dental practices is becoming ever more important, and with such significance comes increased monitoring. Ensure all-round protection for yourself, your practice team and your patients by using instrument reprocessing with a high level of hygienic safety and comprehensive documentation options. Infection control solutions from Dentsply Sirona are suitable for the cleaning, care, disinfection and sterilization of dental instruments. Regardless of the design of your infection control workflows, we have the appropriate solution.

DAC Universal

The combinination machine cleans, lubricates (if neccessary) and disinfects* up to six straight and contra-angle handpieces, turbines, ultrasonic handpieces and tips, nozzles of multifunctional syringes and powder jet devices as well as powder jet handpieces in approx. 15 minutes – including cooling.

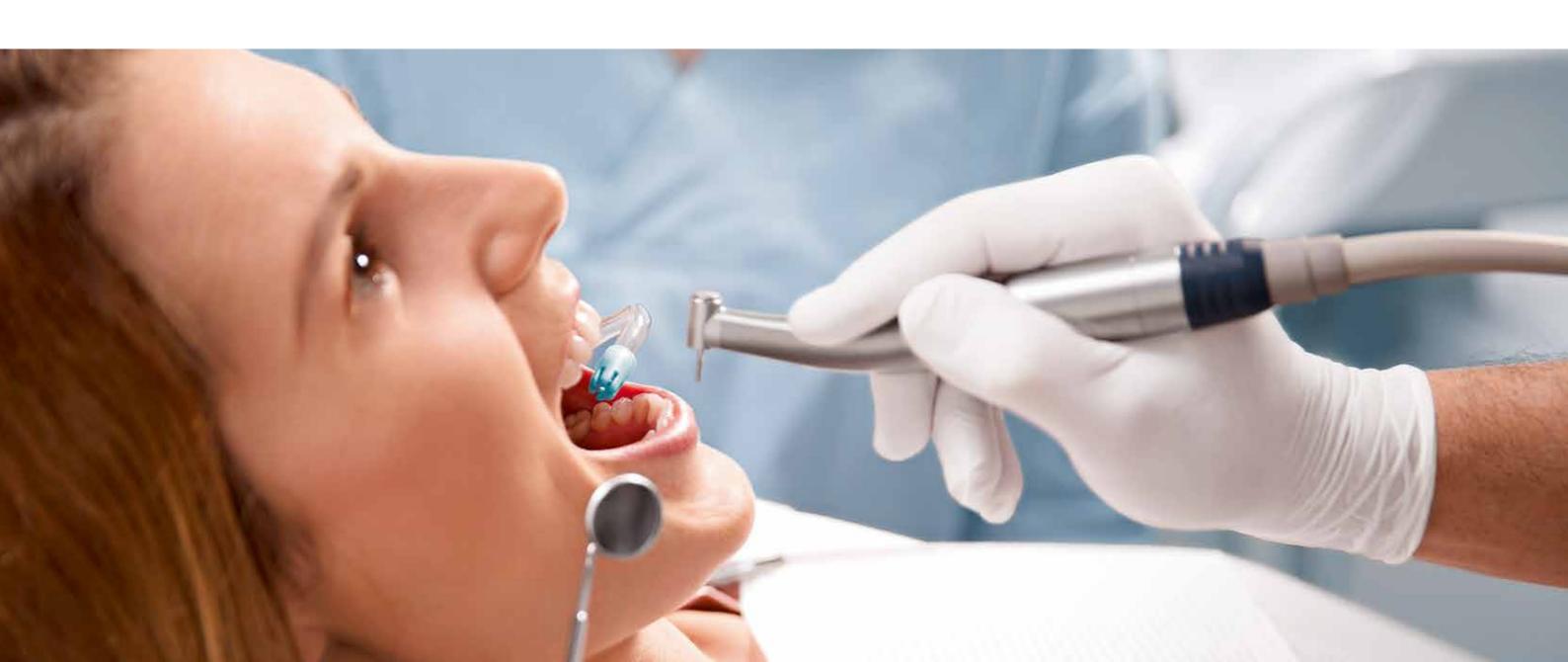
DAC Premium, DAC Professional

The class B autoclaves are universally suitable for all sterilization items.

SiroSeal Premium, SiroSeal Professional

With the sealing devices, instruments can be packaged for storage and transportation.

* no sterilization





Instrument reprocessing

Straight and contra-angle handpieces, turbines, ultrasonic handpieces and tips, nozzles of multifunctional syringes and powder jet devices as well as powder jet handpieces place increased requirements on diligent reprocessing as a result of the narrow media channels and the angled interior spaces. Difficulty is increased by technological contaminations such as abrasion and oil residues in addition to typical contaminations from treatments such as blood, saliva, secretions and tissue.

In principle, straight and contraangle handpieces and turbines must be reprocessed after each patient treatment and require special care due to design cavities. For noninvasive use ("semi-critical" risk class), rotating instruments must be cleaned and disinfected. For invasive reasons. All workflows relating to use ("critical" risk class), transmission instruments must be cleaned,

disinfected and wrapped to be sterilized. Machine reprocessing increases process reliability, whereby the occupational safety for the practice staff is also increased. Mechanical reprocessing is preferable to manual reprocessing for these the reprocessing of medical devices must be defined in the operating

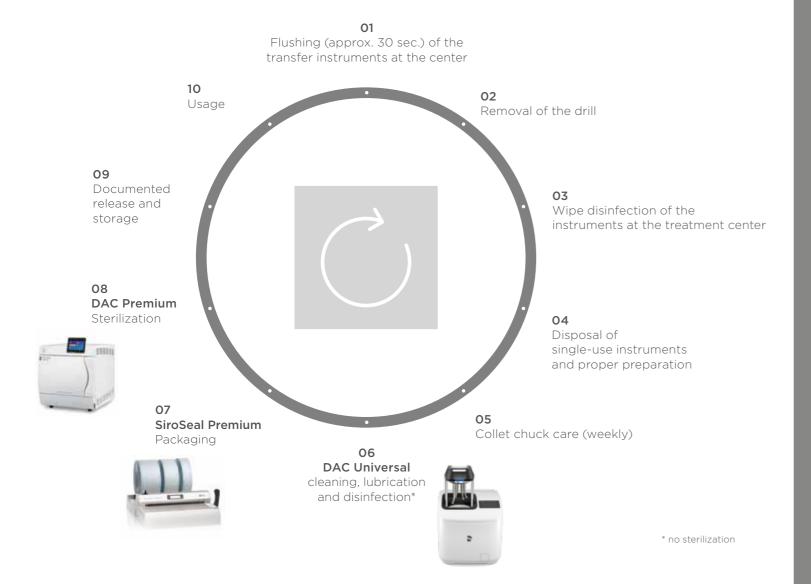
procedures. The reprocessing guidelines from the relevant manufacturers must be taken into account. All reprocessing steps as well as cleaning and disinfection measures should subsequently be compiled in the hygiene plan of the operating practice.

The infection control cycle in machine instrument reprocessing

It begins with correct hand hygiene and thorough disinfection of all patient-related surfaces. Emphasis is repeatability of the reprocessing placed on the correct reprocessing of medical devices - an ever-present are checked during validation. The process. It affects all instruments that are brought into the reprocessing room after treatment. Such instruments are then put through comprehensive reprocessing consisting of cleaning, disinfection,

packaging - if necessary - and sterilization. The effectiveness and processes with the DAC Universal authorities recognize this validation process. Medical devices designated for sterile use are wrapped and sealed with SiroSeal Premium. During subsequent sterilization in DAC Premium, the instruments are

rendered sterile. The packaging protects against recontamination during storage and transportation. All important parameters and the success of reprocessing are documented after the cycle has been completed and then archived on the practice computer.



Instrument reprocessing methods

Cleaning and disinfection

Machine cleaning and disinfection the safe approach to reprocessing

Manual cleaning and disinfection

Semi-manual cleaning and disinfection

devices offer automation of a part of the reprocessing process. The missing process steps have to be carried

Sterilizer classification

Class B - the universal sterilization type

Class S - for sterilization of medical devices

and unwrapped solid products and

Class N - for thermal disinfection

unwrapped solid products. Class N

DAC Universal Advantages



Easy handling

- New design
- Touch display with intuitive user interface
- Guided maintenance workflow Check & Clean

Cost-effective reprocessing

- Low operating and consumption costs no use of cleaning and disinfection chemicals and chemoindicators
- Low investment costs in instruments thanks to cooling at the end of the process and therefore quick return to service

Fully automatic reprocessing

- Six instruments in approx. 15 minutes
- Internal and external cleaning, lubrication (if needed) and disinfection* of straight and contra-angle handpieces, turbines, ultrasonic handpieces and tips, nozzles of multifunctional syringes and powder jet devices as well as powder jet handpieces
- Process safety through automatic program selection
- LAN interface for electronical documentation

Legal certainty

- Cleaning and disinfection process which can be validated
- Cleaning and disinfection process in accordance with EN ISO 15883-1/-2



Switch off infection control risks: Switch on DAC Universal

Comply with infection control standards at the touch of a button and avoid cross contamination: Completely safe with DAC Universal. Your patients and employees can rely on this all-round protection and put their complete trust in the treatment with the reprocessed and thermally disinfected instruments.

Conformity with standards

The cleaning and disinfection process of the DAC Universal is carried out in compliance with the international standard EN ISO 15883-1/-2 for cleaning and disinfection devices.

The fully automated reprocessing process

The DAC Universal cleans, lubricates (if neccessary) and disinfects* up to six straight and contra-angle handpieces and turbines in a fully automated process. Furthermore, ultrasonic handpieces and tips, nozzles of multifunctional syringes and powder jet devices as well as powder jet handpieces can be reprocessed at a very high level of hygienic safety in the DAC Universal.

Lid variations



Blue Lid

For the reprocessing of straight and contra-angle handpieces, turbines and contra-angle handpiece heads.



Green Lid

For the reprocessing of ultrasonic handpieces and tips, nozzles of multifunctional syringes and powder jet devices as well as powder jet handpieces.

* no sterilization



Reprocessing of rotating instruments in a single cycle with the Standard Program Blue Lid



Internal cleaning with cold water

- 1. Preliminary cleaning
- 2. Leak test
- 3. Internal cleaning: The internal spray and drive channels are rinsed with water



Fully automated lubrication

4. Lubrication: The drive channels are lubricated (sufficient for the next treatment)



External cleaning with cold water

5. External cleaning: Pulse wash procedure (multi-cyclical cleaning method)



Disinfection* and cooling

- 6. Heating up to 134°C
- 7. Back-flush: Saturated steam is directed through the instruments
- 8. Disinfection*: 0.5 min. at 134°C
- 9. Cooling
- 10. The lid opens slightly
- 11. The lid can now be opened fully

Reprocessing with the Green Lid (identical process to the Standard Program Blue Lid, but without lubrication)



Internal cleaning with cold water



External cleaning with cold water



Disinfection and cooling

Information on the validation of the DAC Universal

The following information is provided in line with the statutory requirements

Validation is a process that tests the effectiveness and reproducibility of the reprocessing procedure. It is composed of installation qualification (IQ), operational qualification (OQ) and performance qualification (PQ).

If the relevant authorities demand complete and **comprehensive initial validation** on-site in the practice, there are various dealers and service providers that offer such on-site validation services. Complete initial validation locally in the practice includes a comprehensive performance qualification in addition to the installation qualification and operational qualification.

The renewed performance qualification (revalidation) must be carried out after 12 months. With lasting stability of the processes as well as existing risk assessment by the

operator, the interval can be raised on up to 24 months / 4000 cycles over the longterm. Revalidation is also required after changes have been made to the device that influence the process parameters or after a change in loading. The inspection qualification and operation qualification are omitted in the renewed performance qualification.

Batches must be documented; this can be carried out with a printer, using the practice software (also via a network) or via a USB data-logger system

Maintenance as recommended by the manufacturer must be performed at the latest after two years or 3,000 cycles. A replacement parts set is available (Ref. 67 15 689). The dealer technician must be allowed approx. three working hours.



Process documentation

Process documentation enables complete verification of successful reprocessing. Here, it is not only the process parameters that are stored electronically; compliance with the batch-specific parameters with chemical indicators is also documented.



Electronic batch and process documentation, e.g.

Charly, Dampsoft, diosMP, DOCma, MELAtrace, Sego®, my:MPG Ref. 65 43 172



Printer

Time, temperature, serial number and correct running of the sterilization/disinfection are documented.

Printer DAC Premium/DAC Premium Plus and DAC Professional/DAC Professional Plus Ref. 66 68 441 DAC Universal thermal printer Ref. 60 51 770



Process documentation via USB stick

The data are stored digitally on the device on a data logger, e.g. diosMP or Sego® and transmitted via USB stick to the documentation software. The process is approved, digitally signed and archived.

Electronic documentation

For electronic batch and process documentation, Dentsply Sirona recommends the solutions described below, diosMP and Sego®.

Work safely, simply and in compliance with the law. diosMP is a modular system made up of hardware and software, with perfectly coordinated modules that are tailored to the specific needs of a practice, and effort required to assess the process which can expanded at any time as the requirements change. From a plug in and go kit for a single device (dios LOG Box, dios LOG Net) to fully digital process documentation and approval, as well as managing your medical devices - diosMP is the device and hygiene management.

From documented approval...

With diosMP, you can read out the law. diosMP is a manufacturer-independent software, which means that it is not limited to specific brands or chase a license, you obtain the full user rights for all of the currently available and future devices for a

single practice. Approval of the reprocessing, which can be authenticated via a password, or personal contactless card, can be combined with freely definable checklists. The and for the fully digitally documented approval is reduced enorthe software for an extended period, both in an encoded database and in a portable, manipulation-proof PDF format. If desired, approval can also be given the additional status of an advanced electronic signature.

... to fully digital practice management

In daily practice life, there are many guidelines, laws, regulations and standards to consider, which demand much more than merely well-organized hygiene management. diosMP is the ideal software for your medical device and hygiene management, with which you can fulfil all of your documentation obligations quickly and safely with mini-

mum effort, way beyond mere process documentation. With diosMP, you keep control of your entire order and supply system and the management of your products, and you have an overview of your stock levels and product shelf lives. Thanks to patient-related consumption monitoring, you can retrace the use of sterile products and instruments, from the manufacturer all the way to the patient. With just a few clicks, you can obtain a continuous, commore, all tasks and areas of responsibility are digitally documented. thereby increasing the transparency of all of the processes within the practice. With its integrated warning and notification system, diosMP reliably reminds you of all tasks and duties to be completed, so that no task remains unfinished! Discover the diosMP system solution for yourself, and simplify your medical device and hygiene management.

The Sego® product family - unlimited possibilities and certified security

Easy to use

The use of Sego® enables easy, intuitive, fully automated and time-saving documentation of reprocessing steps and all device tests and routine checks. Sego® provides reliable documentation of the disinfection or steritely retraced at any time. The recording of data together with electronically signed documents is essenyou against liability risks. The user interface is well structured and clear.

Fast & efficient in daily practice life

Once the reprocessing devices have the relevant process data automatiintervention. After unloading and the visual inspection, the only task that the technical personnel have is to assess the machine reprocessing, approve the products and then close the approval dialog box by inputting a password, all of which

can be done in a few dialogs on the monitor. With Sego®, no additional work processes are required for reliable documentation.

Individual application

Whether you use Windows, macOS, iOS. Android or Linux - the Sego® products can work web-based and across platforms. Whether they are linked to Sego® or not, whether they are active or not, and whether they can only be used to a limited extent or not, all medical devices can be fully documented and traced in Sego4Star. Stock lists, maintenance intervals, validation dates or safety checks, and the monitoring and inspection of instruments and sets that can only be reprocessed to a limited extent can be shown in a user-defined manner due to the close link between task and instrument management, which also provides reminders to complete certain tasks or take note of specific information. It is even possible to set up a check system for sterile goods

that are approaching their expiration dates. A task manager that safeguards all of the routine checks rounds off the range of functions. Thereafter, you will find all of the relevant docuarchive and in the special medical device directory.

Reliable results

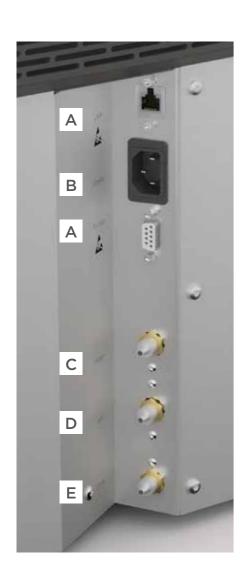
The intelligent SegoAgent is an inteemployees when it comes to making operation and manages your checklists and tasks. Long-term archiving is performed using the PDF/A-1 format, which is defined by ISO 19005signature, making it tamper-proof, and therefore legally valid.

Sego® represents certified security

Information based on manufacturers' details

Requirements and information on installation

Requirements on location: Place the DAC Universal in a well-ventilated location on a flat, heat-resistant table top near to a power source. A compressed air connection of 5 to 8 bar flow pressure is required. The recommended minimum distance to the wall is 10 cm. Further, there must be enough space to enable the DAC Universal to be opened upward. The total height of the open DAC Universal is 59 cm. The minimum height should be 70 cm in order to prevent possible injuries when opening the lid (risk of crushing).



Installation of the DAC Universal

- A Process documentation:
 RS232 interface: recommended for printer
 LAN interface: recommended for the connection
 with PC, Laptop
- **AC connection:** 220 240 VAC, 50-60 Hz, 1,300 W
- Water supply: Water from a water treatment system can be connected to the water connection via a 6 mm hose. We recommend NitraDem Direct Connect 2 (Ref. 66 93 233) as the direct connection. Water can also be filled manually into the water tank. Note: Water quality must be < 3 μS/cm. Note: Maximum water pressure is 6 bar.
- Compressed air connection:
 Connect clean and dry air (6 mm hose).
 The air pressure must be between 5 and 8 bar flow pressure (short-term air consumption: approx. 60 NI/min. at 5 bar).
- Discharge: The waste water hose must be manufactured from heat-resistant material and has a diameter of 6 mm. The maximum length is 3 m. Please use the original discharge container (Ref. 60 78 526) or an original siphon (Ref. 61 26 341) for direct connection to the waste water system.

Market overview of care and infection control devices

For the reprocessing of turbines and straight and contra-angle handpieces

	DAC Universal	Assistina 3X3	QUATTROcare Plus	iCare+	Melatherm	PG/PW Serie	STATMATIC PLUS
Manufacturer	Dentsply Sirona	W&H	KaVo	NSK	MELAG	MIELE	SciCan
Cycle time	approx. 15 min.	approx. 6 min.	approx. 1 min.	approx. 15 min.	approx. 53 min.	approx. 41 min.	approx. 10 min.
Capacity (instr.)	6	3	4	4	33	22	3
Weight [kg]	26	7.5	10	14	85	74	7.3
Water connection	•	-	-	-			-
Waste water connection	•	-	-	-			-
Compressed air connection	0.5 - 0.8 MPa	■ 0.5 – 1 MPa	0.4 - 0.6 MPa	0.5 - 0.6 MPa	-	-	■ 0.45 - 0.6 MPa
External cleaning	(water)	(cleaner)	-	(cleaner)	(cleaner)	(cleaner)	-
Internal cleaning	(water)	(cleaner)	-	(cleaner)		(cleaner)	(cleaner)
Oil maintenance	•	•	•	•	-	-	•
Disinfection	■ (Thermal)	-	-	(Chemical)	■ (Thermal)	■ (Thermal)	-
Sterilization	-	-	-	-	-	-	-
Electronic documentation		_*	_*	•	•		•
Instruments can be directly used for semi-critical B		- (additional thermal disinfection/ unwrapped sterilization)	- (additional manual internal and external cleaning and thermal disinfection/ unwrapped sterilization)	•	•	•	- (additional manual external cleaning thermal disinfection (wrapped sterilization))
Ultrasonic tips	•	-	-	-			-
Ultrasonic handpieces	•	-	-	-			-
Nozzles of powder jet devices	•	-	-	-	•	•	-

- availableoptional
- not available

^{*} Device is not a washer-disinfector/sterilizer Information based on manufacturers' details (February 2019)

DAC Premium: Highest standards easily achieved

Efficient heating

DAC Premium and DAC Premium Plus Sterilization quality not only use the same double-walled sterilization chambers (twin-chamber technology) as hospital autoclaves. Chambers are pre-heated with the steam that is subsequently used for sterilization. As a result, electric heated jackets are no longer required. You save time, energy costs very quickly evacuated from the and both you and your patients are protected by the best possible sterilization result in a reliable and legally compliant manner.

Quick air evacuation

depends on the quality of the steam; class, you can quickly and easily trace the performance of the vacuum technology is also substantially responsible for the best possible sterilization results. The twin-chamber technology also offers a decisive advantage here because the air is cavities of the instruments, sterilization packages and the chamber. At the same time, the air is withdrawn from the steam very effectively. This shortens the sterilization process considerably while simultaneously prolonging the service life of the vacuum pump.

Simple tracing

With autoclaves in the DAC Premium and track the instruments used on patients, and thereby solidify your quality management. You determine which parameters have to and should be gueried after sterilization to ensure release of the batch. With DAC Premium and DAC Premium Plus, this can be carried out with no additional computer or special software.



All-round simplicity

With the extra-large color touch display, the appearance of the DAC Premium autoclaves also makes them stand out from conventional class B sterilizers. The menu navigation is so intuitive that operator errors are a thing of the past. You can also input any desired settings quickly and easily, or, for example, customize the display background to your tastes.



Safe

- Complies with all relevant norms for legal certainty
- A higher infection control standard is achieved in the practice
- Reduced risk of contamination for patients
- Documentation with printer, CF card or directly in the PC without additional documentation software is possible

Simple

- Intuitive operation via the color touch display
- Compact solution with integrated fresh water and waste water tank
- Simple installation as a standalone device

High-tech

- Twin-chamber technology
- Particularly rapid air evacuation from instrument chambers and cavities
- High sterilization quality
- Short sterilization cycles (e.g. Quick program B in 20 minutes including drying)

Ecological

- Energy saving mode: Automatic reduction of standby temperature
- Pre-selection of the required time to start the autoclave

DAC Professional: An Investment in Quality

No matter which chamber size you decide upon, with the DAC Professional class autoclaves, you will be making a safe investment. Production in Germany, certified manufacturing standards and a chamber made from stainless steel mean that the devices are high quality and have a long service life. Both versions are suitable for all thermostable products and sterilization types; no additional sterilization device is therefore required. Operator errors are a thing of the past due to the integrated display and the market-tested operator guidance.



Left: The DAC Professional with a chamber volume of 17 l. Right: The DAC Professional Plus has a 22.6 l chamber



Variable loading options. By turning the tray holder 90° , 3 standard cassettes with lids or 5 trays without lids can be loaded

Safe

- Complies with all relevant norms for legal certainty
- A infection control hygiene standard is achieved in the practice
- Reduced risk of contamination for patients
- Documentation with printer or CF card (using a CF card reader) without additional documentation software is possible

Simple

- Compact solution with integrated fresh water and waste water tank
- Simple installation as a standalone device
- Easy to operate using the display

Cost-effective

- A quick solution instead of slow tabletop sterilizers
- Easy handling minimizes operator errors
- Sterilization
 (Quick program S) is
 possible in just 15 minutes
 (without drying)
- Activated preheating for short operating times
- Integrated control of fresh water guarantees error-free operation and prevents damage to the instruments

SiroSeal: Seals with the best possible level of safety

SiroSeal Premium

The sealing process is reproducible and can be validated with SiroSeal Premium. Outstanding ease of use, performance and convenient options for process documentation make SiroSeal Premium the new benchmark for sealing devices of this class. And all with an unbeatable heat-up time of 90 seconds and a sealing time of just three seconds.

Packaging process can be validated First-class usability

SiroSeal Premium meets standardization requirements in accordance with ISO 11607-2. According to the standard, the process parameters of temperature, contact pressure and sealing time are continuously monitored and documented, and can be confirmed as part of the process validation.

The easily readable LCD display with LED status display, the intuitive 4-button operation, the option of user administration, two integrated USB interfaces and a maintenance counter make the sealing device an intelligent aid that will provide optimal support for compliance with your infection control workflow. The device switches automatically into energy saving mode and then into standby mode.

Seamless documentation

SiroSeal Premium can be connected directly to a PC to document and archive logs simply and safely using documentation software such as MELAtrace. As an alternative, the supplied 8 GB USB stick can be used to save process parameters.

SiroSeal Professional

Safe, proven and high performing: SiroSeal Professional is a stable, high-performance bar sealing device. The visual and acoustic indicator that displays, for example, operational readiness after a short warm-up time of about two minutes, is especially noteworthy.

The reproducible sealing time is also indicated visually and acoustically. With the continuously adjustable thermostat, you can adjust the sealing temperature to the packaging material used and then seal several

instruments without any pauses. The sealing seam width is 10 mm. That is significantly more than the minimum width of 6 mm required in the European standard With SiroSeal Professional, you can remain flexible in your choice of materials and can rely on having the highest level of safety.



SiroSeal Premium



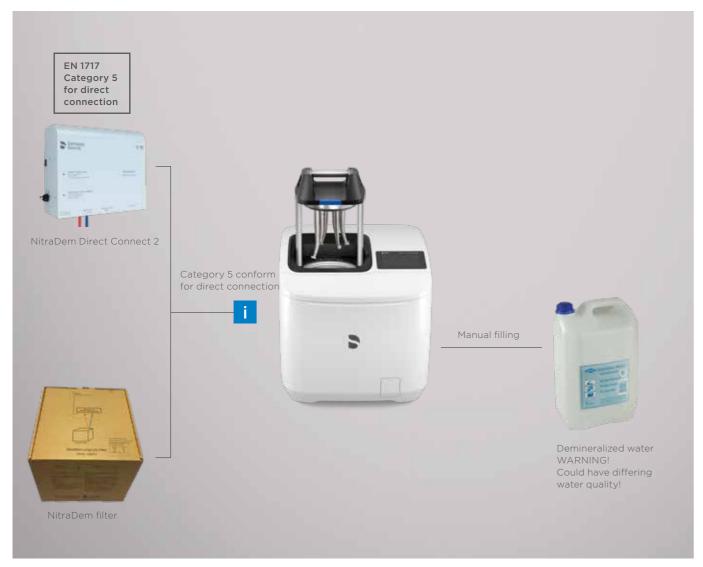
LCD display and LED status display and 4-button operating concept



SiroSeal Professional

Water supply

High-quality treated water ($<3\mu S/cm$) is required for the DAC Universal. The majority of standard water reprocessing systems do not guarantee a constant flow or required return flow protection that would meet this requirement. In order to avoid cycle interruptions due to poor water quality, we recommend the NitraDem Direct Connect 2 water treatment system.



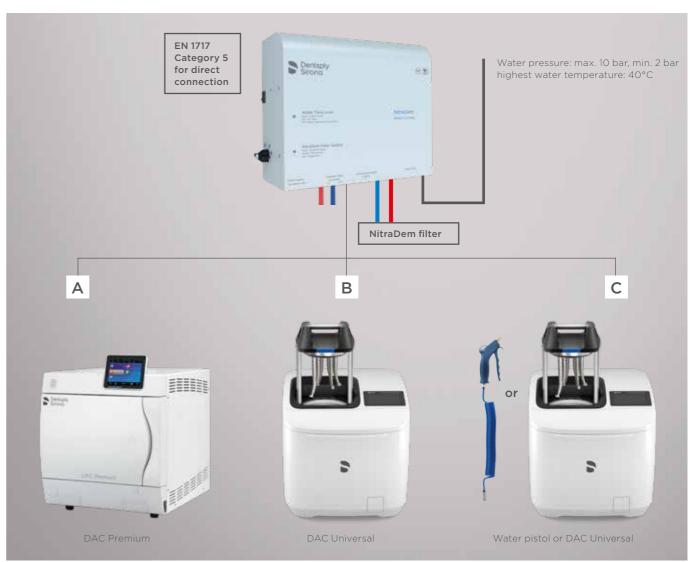
Direct connection: A water filter (20 μm) must be installed upstream of the DAC Universal to ensure that the water is clean. This serves to protect your DAC Universal. Ref. 63 12 214

NitraDem Direct Connect 2 - connections

NitraDem Direct Connect 2 features 3 water outlets.

Depending on the type, up to three devices can be connected.

Water treatment



Ref. 66 93 233 NitraDem Direct Connect 2

NitraDem Direct Connect 2 has three water outlets, from which demineralized water is available at a pressure of 5-6 bar.

- At outlet A a infection control system can be optionally connected with or without a water suction pump. The system is not recommended for connection to cleaning and disinfection devices.
- B C Water outlets B and C are used to connect infection control systems without a water suction pump, e.g. water pistol or DAC Universal.

NitraDem Direct Connect 2



Direct water connection

- EN 1717 Category 5-compliant for direct connection
- Water available on demand to all connected infection control systems
- Connection of up to three infection control systems simultaneously

Easy handling

- Simple filter replacement
- Compatible with DAC Universal and all standard sterilizers

Continuous control

- Always the right water quality
- No quality loss due to storage
- Water conductivity is continuously monitored

Market overview of water treatment systems

	NitraDem Direct Connect 2	Destillo 2	MELAdem 40	Multidem C27
Manufacturer	Dentsply Sirona	Aquadent	MELAG	W&H
Throughput [I/h]	42	50	120	60
Water quality [µS/cm]	0-3	0.1 - 20	1 - 5	0.1 - 20
Electrical connection	100 V - 240 V 50 - 60 Hz	220 V 50 Hz	n.a. n.a.	n.a. n.a.
Dimensions (H x W x D) [cm]	26.5 x 30 x 12	diameter 11.5 x 54	35 x 32 x 15	47.6 x 12.4 x 12.3
Weight [kg]	7.3	2.5	2.4	3.9
Capacity / 10° dH / [liter]	255 (Mini)/ 510 (Long-Life)	320	210	375
Conductivity test	Yes	Yes	No	No
Fixed connection	Yes	No	Yes	Yes
DIN EN 1717-compliant for direct connection	Yes	No	Yes	No

Information based on manufacturers' details (February 2019)

Water treatment system	Ref.
NitraDem Direct Connect 2, incl. installation kit, NitraDem Mini filter, control panel	66 93 233

Accessories and filters	Ref.
Water pistol	62 59 084
NitraDem Mini filter	66 93 209
NitraDem Long-Life filter	66 93 217

Instrument reprocessing in the infection control area

The infection control area should consist of separate areas which must be designated for the reprocessing of instruments for semi-critical and critical applications. These reprocessing areas must be differentiated into the areas "Unclean", "Clean" and "Storage." It is recommended that these three areas are marked accordingly. The DAC Universal must be positioned in the unclean area, directly on the border to the clean area.



Technical data

DAC Universal

Installation prerequisites	
Electrical power supply	~ 100-127 VAC / 200-240 VAC 50/60 Hz
Power consumption	1.3 kW
Compressed air connection	Input pressure: 5.0 - 8.0 bar; max. Short-term air consumption: approx. 60 NI/min. at 5 bar
Oil tank capacity	0.2
Water tank capacity	2.3
Water consumption	Approx. 800 ml per cycle (Standard Program Blue Lid)
Water quality	$< 3 \mu S/cm$
Height open/closed (with Blue Lid) x width x depth	59 cm/40 cm x 40 cm x 42 cm
Equipment: unwrapped/solid	up to 6 instruments
Weight	26 kg
Minimum distance from wall/ceiling	10 cm/70 cm

Installation kit			
Designation	Description/models	Ref.	
"Siphon" installation kit	Including: • Siphon with direct connection • Manometer • Hose • Waste water filter for filter housing (6 pcs.) • NitraClean cleaning tablets (50 pcs.)	67 09 880	
"Waste water tank" installation kit	Including: • Waste water tank • Manometer • Hose • Waste water filter for filter housing (6 pcs.) • NitraClean cleaning tablets (50 pcs.)	66 98 299	

Documentation	
RS 232 connections	e. g. printer, documentation software, data logger
LAN	e. g. documentation software

Programs	
Standard Program Blue Lid	Cleaning, disinfection** and care of straight and contra-angle handpieces, turbines and contra-angle heads 134 °C, 0.5 min disinfection entire cycle time: approx. 15 min* including cooling
Program Green Lid	Cleaning and difinfection** of ultrasonic handpieces and tips, nozzles of multifunctional syringes and powder jet devices as well as powder jet handpieces 134°C, 0.5 min. disinfection entire cycle time: approx. 15 min including cooling

DAC Premium / DAC Premium Plus

	DAC Premium	DAC Premium Plus
Reference numbers	65 26 920 65 36 929 (AUS)	65 26 938 65 36 937 (AUS)
Electrical connection	3,400 W / 220 - 240 V / 50/60 Hz	3,400 W / 220 - 240 V / 50/60 Hz
External dimensions (W x H x D)	47 x 56.5 x 57.5 cm	47 x 56.5 x 69 cm
Sterilization chamber (diameter x depth)	25 x 35 cm	25 x 45 cm
Weight (without load)	59 kg	66 kg
Chamber volume	18.4	23.8
Max. loading	Instruments: 6 kg or textiles: 2 kg	Instruments: 7 kg or textiles: 2.5 kg
Water tank (aqua dem/aqua dest)	Fresh water side: 5 I (approx. 7 cycles); Waste water side: 3 I	Fresh water side: 5 (approx. 7 cycles); Waste water side: 3

	Operating time (without dr	Drying time	
DAC Premium	Load up to 6 kg of unwrapped instruments	Load up to 2.5 kg of textiles	
Universal program	21 min.	-	12 min.
Quick program B*	14 min.	-	6 min.
Quick program S**	10 min.	-	2 min.
Gentle program	36 min.	39 min.	12 min.
Prion program	38 min.	-	12 min.

	Operating time (without drying)		Drying time
DAC Premium Plus	Load up to 7 kg of unwrapped instruments	Load up to 2 kg of textiles	
Universal program	21 min.	-	12 min.
Quick program B*	14 min.	-	6 min.
Quick program S**	10 min.	-	2 min.
Gentle program	36 min.	43 min.	12 min.
Prion program	38 min.	-	12 min.

All times depending on load, power and water supply. * max 1.5 kg wrapped or 6 or 7 kg unwrapped ** unwrapped

^{*} The cycle times can vary.

^{**} no sterilization

Technical data

DAC Professional / DAC Professional Plus

	DAC Professional	DAC Professional Plus
Reference numbers	61 45 309 (GER) 60 93 475 (EN) 61 26 705 (F) 61 26 713 (AUS)	65 26 912 (GER) 65 36 879 (EN) 65 36 887 (F) 65 36 895 (AUS)
Electrical connection	2,100 W / 220 - 240 V / 50/60 Hz	2,100 W / 220 - 240 V / 50/60 Hz
External dimensions (W x H x D)	42.5 x 48.5 x 63 cm	42.5 x 48.5 x 75.5 cm
Sterilization chamber (diameter x depth)	25 x 35 cm	25 x 45 cm
Weight (without load)	45 kg	50 kg
Chamber volume	17 I	22.6
Max. loading	Instruments: 5 kg or textiles: 1.8 kg	Instruments: 5 kg or textiles: 1.8 kg
Water tank (aqua dem/aqua dest)	Fresh water side: 5 (approx. 7 cycles); Waste water side: 3	Fresh water side: 5 I (approx. 7 cycles); Waste water side: 3 I

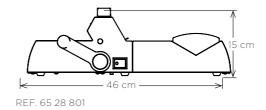
	Operating time (without drying)		Drying time
DAC Professional	Load up to 5 kg of unwrapped instruments	Load up to 1.8 kg of textiles	
Universal program	30 min.	-	20 min.
Quick program B*	30 min.	-	10 min.
Quick program S**	15 min.	-	5 min.
Gentle program	45 min.	45 min.	20 min.
Prion program	45 min.	-	20 min.
Vacuum test	18 min. (empty)	-	-

	Operating time (without dr	ying)	Drying time
DAC Professional Plus	Load up to 5 kg of unwrapped instruments	Load up to 1.8 kg of textiles	
Universal program	30 min.	-	20 min.
Quick program B*	30 min.	-	10 min.
Quick program S**	15 min.	-	5 min.
Gentle program	45 min.	45 min.	20 min.
Prion program	45 min.	-	20 min.
Vacuum test	18 min. (empty)	-	-

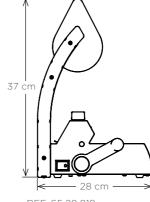
SiroSeal Premium

	SiroSeal Premium	SiroSeal Professional
Reference number	65 26 961	65 26 953
Electrical connection	300 W / 220 - 240 V / 50/60 Hz	300 W / 220 - 240 V / 50/60 Hz
External dimensions (W x H x D)	41.5 x 15 x 24 cm	41.5 x 15 x 24 cm
Weight (without load)	5.4 kg	5.4 kg
Temperature range	100 - 210°C	160 - 200°C
Sealing time	Approx. 3 sec.	Approx. 3 sec.
Heat-up time	Approx. 90 sec.	Approx. 2 min.
Seal length	max. 275 mm	max. 275 mm
Seal width	10 mm	10 mm
Interfaces	1 x USB memory stick, 1 x USB PC interface	-

"Standard" roll holder



"Comfort" roll holder



REF. 65 28 819

All times depending on load, power and water supply.

* Max 1.5 kg wrapped or 6 or 7 kg unwrapped ** unwrapped

Ordering information and accessories

DAC Universal

Product			Ref.
	Blue Lid: • Blue Lid • 1 bottle of NitramOil lubrication concentrate • Water filter • Sterile filter • Air filter • Power cable • Hose • Screwdriver for adapter	Check & Clean kit: Check & Clean Cap Check & Clean Lid NitraClean cleaning tablets Syringe Cotton rolls Screwdriver for waste water filter Waste water filter	67 13 452 (DE) 67 13 460 (Europe) 67 13 478 (World)
	 "Siphon" installation kit: Siphon with direct connection Manometer Hose Filter for filter housing (6 pcs.) NitraClean cleaning tablets (50 		67 09 880
	 "Waste water tank" installation Waste water tank Manometer Hose Filter for filter housing (6 pcs. NitraClean cleaning tablets (5)	66 98 299

Accessories	5	Ref.
	NitramOil #2 lubrication concentrate (blue, 6 bottles) for DAC Universal	62 59 118
cocce	NitraClean tablets (pack of 50)	66 35 499
	Waste water filter (6 pcs.)	66 98 166
	Check & Clean Lid	67 09 997
	Check & Clean Cap	67 10 003

Accessories	5	Ref.
1	Blue Lid without adapters	67 09 815
1	Green Lid without adapters	67 09 823
	Lid holder	67 09 856
	Waste water tank with hose Siphon with direct connection	60 78 526 61 26 341
	DAC Universal thermal printer printer paper	60 51 770 65 99 018

Blue Lid

Adapter for straight and contra-angle handpieces		Ref.
1	Dentsply Sirona TE/ Classic Adapter Touch	66 86 682
8	ISO/INTRAmatic® adapter	60 51 648
J.	KaVo and Bien-Air contra- angle handpiece adapter	60 51 663

Adapter for t	turbines	Ref.
	Sirona quick coupling R/F/B adapter	60 51 697
a de la companya de l	KaVo MULTIflex adapter	60 51 655
ģ	W&H Roto quick adapter	60 51 671
ė	BienAir UNIFIX adapter	60 51 713
8	NSK PTL adapter	60 51 804
Î	NSK QDJ adapter	60 51 812
8	Borden adapter, 2 - 3 holes	60 51 861
-	Castellini CERAMIC FREEDOM adapter	60 51 762
8	Midwest/ISO 4/5-hole turbine with fixed connection adapter	60 51 853
	Morita Alpha adapter	60 51 911
	Morita CP4 adapter	60 51 929
	Osada OFJ adapter	60 85 745
or distribution	Yoshida QUICK JOINT adapter	63 23 831

Green Lid*

nandpieces. syringe atta	caler for ultrasonic , tips and multi-functional achments	Ref.
Adapter for	ultrasonic handpieces:	
4	Sirona SiroSonic TL / PerioSonic adapter	65 36 135
	Sirona SiroSonic / L adapter	65 36 143
3	EMS Piezon straight handpiece adapter	66 13 538
9	Satelec Slim	66 23 438
9	Satelec Newtron LED	66 23 446
9	Satelec Newtron	66 23 420
Adapter for	multi-functional syringe nozzl	es:
•	Sirona Sprayvit nozzle adapter	65 36 150
Adapter for	ultrasonic tips:	
6	Sirona ultrasonic tip adapter: For the instrument tips SiroSon S/C8/L; SiroSonic/L; SiroSonic TL; PerioSonic	65 36 127
0	EMS ultrasonic tip adapter	66 10 708
0	Satelec ultrasonic tip adapter	66 10 716
Adapter for	nozzles of powder jet devices	s:
	EMS AIR-FLOW®	66 23 461
4.0	EMS AIR-FLOW® Handy	66 23 453

and periodontology tips.

The Green Lid is not intended for the reprocessing of implant, endo, micropreparation and CEM tips.

Dentsply Sirona

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