

DAC UNIVERSAL

# CLOSE YOUR HYGIENE GAP.



SIRONA.COM

The Dental Company

**sirona.**

# REPROCESSING IN NEXT TO NO TIME.

Practice hygiene is becoming more important and is monitored increasingly. Ensure protection for your practice team and your patients without time-consuming manual cleaning, but rather with the DAC UNIVERSAL. The combination autoclave cleans, lubricates and sterilizes up to six straight and contra-angle handpieces as well as turbines at the push of a button. You can now also reprocess ultrasonic tips and handpieces, attachments for multifunctional syringes and solid instruments with maximum hygienic safety in the DAC UNIVERSAL.

**Enjoy every day. With Sirona.**



# ELIMINATE HYGIENE RISKS? POWER UP DAC UNIVERSAL!

Comply with hygiene standards with just the touch of a button and avoid cross contamination: Be safe with DAC UNIVERSAL! Your patients and staff can rely on this all-round protection and put their complete trust in the treatment with the reprocessed and disinfected or sterilized instruments.

VALIDATABLE  
PROCESS

FULL  
FLEXIBILITY

GENTLE  
REPROCESSING

#### LEGAL CERTAINTY

By using DAC UNIVERSAL, you meet all the requirements of the recommendation "Infection prevention in dentistry – hygiene requirements" by the Robert Koch Institute [RKI 2012].

#### CONFORMITY WITH STANDARDS

The sterilization process of the DAC UNIVERSAL meets the requirements of the European standard EN 13060 for small steam sterilizers. The cleaning and disinfection process is carried out in correspondence with the international standard ISO 15883 for washer-disinfectors.

#### PROCESS VALIDATION

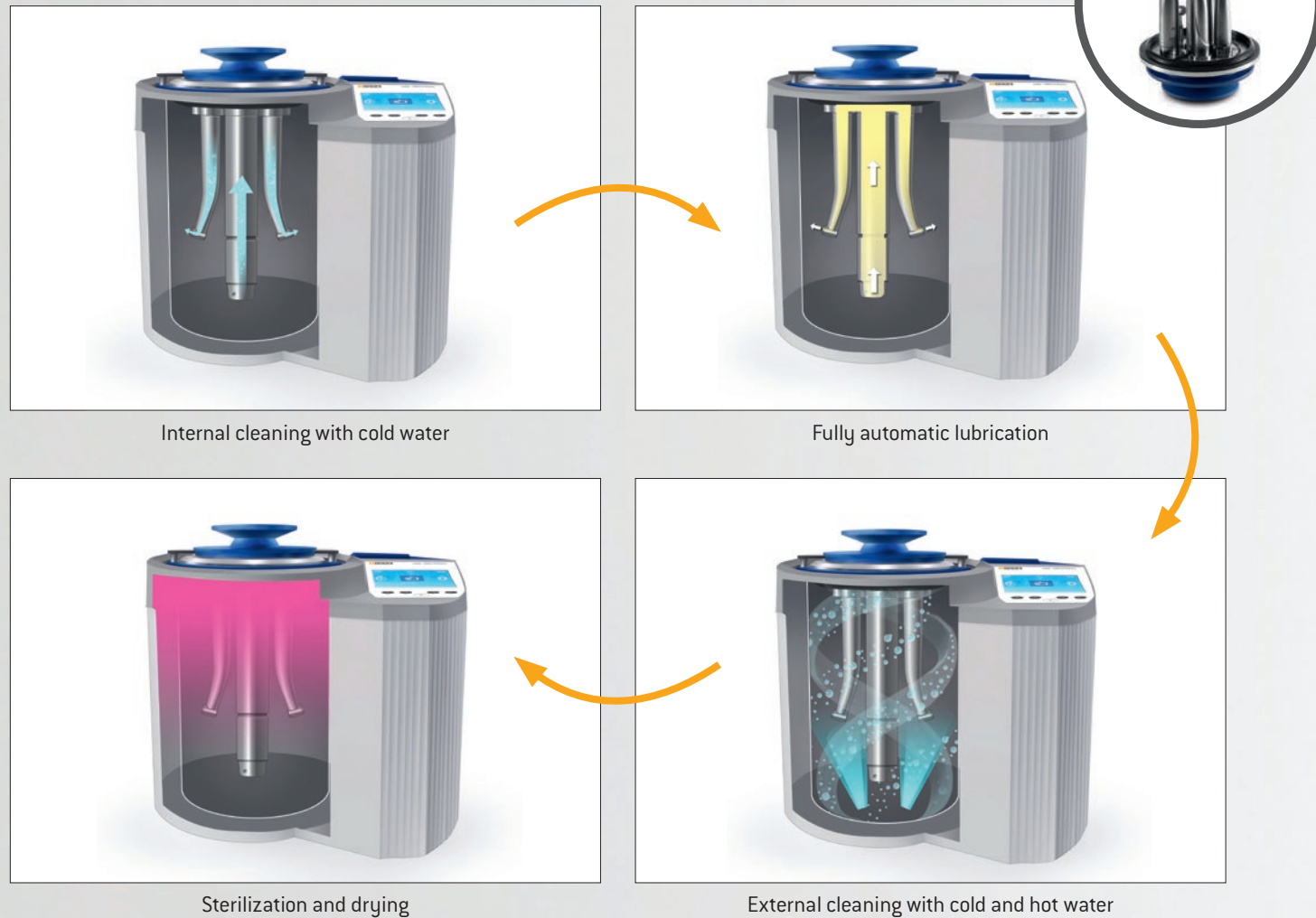
The performance of the DAC UNIVERSAL is tested in the factory and confirmed with a certificate. This allows for simplified initial validation on site. The two-year maintenance of your DAC UNIVERSAL can be carried out simultaneously with the revalidation.



# HYGIENIC SAFETY AT THE TOUCH OF A BUTTON.

The touch of a button is all that is required for the special lid to close and for DAC UNIVERSAL to begin its decontamination program. Your instruments are then fully automatically and completely reliably decontaminated. All the hygiene steps of instrument reprocessing, such as cleaning, if necessary lubrication, disinfection or sterilization are performed in a closed hygiene cycle. It's just that easy to eliminate sources of error and to achieve clean results.

## REPROCESSING OF ROTATING INSTRUMENTS IN JUST ONE CYCLE (STANDARD LID)



## REPROCESSING WITH THE FLEX LID



### SOLID INSTRUMENTS

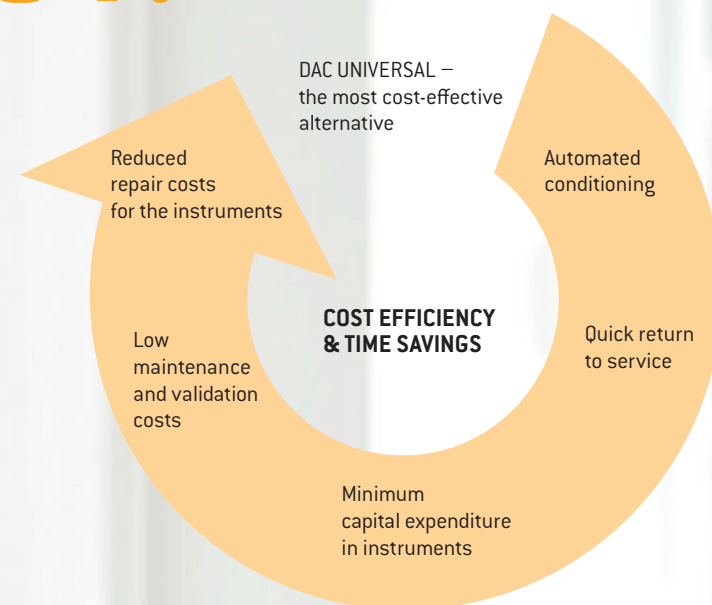
Place up to 5 solid instruments such as probes, mirrors and curettes (with no hollows) into the provided wire basket. The instruments are cleaned and disinfected (unwrapped sterilization).



### WRAPPED INSTRUMENTS

Individually connect up to three wrapped instruments with a spring clip. Before they are sterilized, the instruments have to run the complete cycle for unwrapped instruments and then be wrapped.

# MAXIMUM TIME SAVINGS AND COST- EFFICIENCY.



#### Save costs:

##### Protection and preservation of your instruments

Proper care of your rotating instruments helps extend their service lives. The DAC UNIVERSAL lubrication system has been tested and approved by leading international manufacturers of straight and contra-angle handpieces and turbines.

# DEMINERALIZED WATER FROM A SAFE SOURCE.

Our water treatment systems provide demineralized purified water for your DAC UNIVERSAL and other autoclaves: NitraDem Direct Connect and SIRODEM cost-effectively supply your hygiene systems with the highest quality demineralized purified water. As a result, you protect your hygiene systems and instruments, extend their service life and reduce your repair costs.



#### QUICK, EASY AND PERMANENT WATER SUPPLY FOR YOUR HYGIENE SYSTEMS: NitraDem Direct Connect

- DVGW\*-certified; corresponds to the "Free Outlet" defined in the European standard EN 1717 that avoids a direct connection between the water supply and autoclaves.
- In the event of a drop in pressure in the water supply, contamination of the public drinking water supply is excluded.
- An LED display indicates the current status of the filter and the optimum time for filter replacement.



#### DESALINATED WATER IN SECONDS: SIRODEM

- The mixed-bed desalinator SIRODEM is ideally suited for the simple and cost-effective generation of pure, fully desalinated water. This unpressurized system can be attached in seconds and at an excellent quality wherever fully desalinated water is required.
- Specially designed for the individual needs of your dental practice.
  - The conductivity meter is directly attached to the cartridge and displays the purity level of the water.
  - A constantly high quality of water is guaranteed.
  - Wall unit for connection to the water supply with free outlet of pure water.
  - The desalinated water is manually filled into your devices.

\* Deutscher Verein des Gas- und Wasserfaches (German Association of the Gas and Water Trade).



# DAC UNIVERSAL

## TECHNICAL DATA, DOCUMENTATION, PROGRAMS




Technical data	DAC UNIVERSAL
<b>Installation prerequisites</b>	
Voltage	90-120V AC / 190-240V AC, 50 / 60 Hz
Power consumption	1,1 kW
Compressed air connection	Input pressure: 5.0 - 8.0 bar; max. Short-term air consumption: approx. 60 NI/min at 5 bar
Capacity of the oil tank	0.2 l
Capacity of the water tank	1.8 l
Water consumption	Approx. 600 ml per cycle (standard program)
Water quality	< 3 µS
Height open/Height closed (with STANDARD lid) x Width x Depth	53 cm / 35 cm x 38 cm x 37 cm
Equipment: unwrapped/wrapped/solid	6 / 3 / 5 instruments
Weight	23 kg
Minimum distance from wall/ceiling	10 cm / 70 cm










Documentation	
RS 232 connections	Printer, documentation software, USB adapter, memory sticks, memory cards, etc.
Printout	Selected sterilization program, date, time, batch number, vacuum, pressure, temperature, serial number, deviation, etc.












Sterilization program	
Selection options	<p>Standard program 134 °C, 3 min. sterilization Total cycle time: approx. 16 min.</p> <p>Standard prion program 134 °C, 18 min. sterilization Total cycle time: approx. 32 min.</p> <p>Standard gentle program 121 °C, 15 min. sterilization Total cycle time: approx. 28 min.</p> <p>Program for wrapped instruments* 134 °C, approx. 3 min. sterilization Total cycle time: approx. 22 min.</p> <p>The cycle times may vary depending on the working environment in which the autoclave is operated.</p>

\* Lid for wrapped instruments required

## ORDER INFORMATION AND ACCESSORIES

DAC UNIVERSAL	REF.
 <p><b>Equipped with:</b></p> <ul style="list-style-type: none"> <li>STANDARD lid without adapters</li> <li>1 can of NitramOil care concentrate</li> <li>"STANDARD" indicator holder</li> <li>Air filter</li> </ul>	65 43 321 (DE) 65 40 087 (EUROPE) 65 40 079 (GLOBAL)
 <p><b>Installation kit, syphon consisting of:</b></p> <ul style="list-style-type: none"> <li>Syphon with direct connection</li> <li>Regulator</li> <li>Water filter</li> <li>Holder for air filter</li> <li>Filter for filter housing (pack of 6)</li> <li>NitraClean tablets (pack of 100)</li> <li>Chemical indicators, class 5 (pack of 100)</li> </ul>	64 33 267
 <p><b>Installation kit, drain tank consisting of:</b></p> <ul style="list-style-type: none"> <li>Drain tank</li> <li>Regulator</li> <li>Water filter</li> <li>Holder for air filter</li> <li>Filter for filter housing (pack of 6)</li> <li>NitraClean tablets (pack of 100)</li> <li>Chemical indicators, class 5 (pack of 100)</li> </ul>	64 33 275




DAC UNIVERSAL accessories	REF.
 <p>NitramOil care concentrate (white, 6 Fl.) for series No. 100 000 – 103 999 and 200 000 – 201 999</p>	60 86 628
 <p>NitramOil care concentrate (blue, 6 Fl.) with DAC UNIVERSAL with Wrapped Ready for series No. 104 000 – 199 999 and 220 000 – 399 999 and &gt; 500 000</p>	62 59 118
 <p>NitraClean tablets (pack of 100)</p>	60 53 842
 <p>Filter for filter housing (pack of 6)</p>	60 78 583
 <p>Chemical indicators, class 5 (pack of 100)</p>	58 92 059
 <p>PCD Test body</p>	60 51 820
 <p>Indicator holder for STANDARD lid</p>	60 51 788
 <p>Indicator holder for FLEX lid</p>	65 42 489
 <p>Lid extension for Check &amp; Clean</p>	65 42 737














DAC UNIVERSAL accessories	REF.
 <p>STANDARD lid without adapters</p>	60 51 739
 <p>FLEX lid without adapters</p>	65 35 855
 <p>WRAPPED lid incl. bacterial filter</p>	62 59 092
 <p>BASKET lid</p>	61 26 200
 <p>BASKET lid Replacement basket</p>	61 96 377
 <p>Lid holder</p>	62 59 109
 <p>Drain tank with hose</p>	60 78 526
 <p>Syphon with direct connection</p>	61 26 341
 <p>DAC UNIVERSAL thermal printer</p>	60 51 770
 <p>Printing paper</p>	61 23 462
 <p>Replacement filter for bacterial filter</p>	62 63 045
<p>Transport stopper for DAC UNIVERSAL oil dispenser</p>	64 78 478

# ADAPTER








## STANDARD LID

Adapter for straight and contra-angle handpieces	REF.
 Sirona T1 CLASSIC/TE adapter	60 51 705
 ISO/INTRAmatic® adapter	60 51 648
 Contra-angle head adapter	60 51 663

Adapter for turbines	REF.
 Sirona quick coupling R/F/B adapter	60 51 697
 KaVo MULTIflex adapter	60 51 655
 W&H Roto Quick adapter	60 51 671
 BienAir UNIFIX adapter	60 51 713
 NSK PTL adapter	60 51 804
 NSK QDJ adapter	60 51 812
 Borden adapter, 2 - 3 holes	60 51 861
 Castellini CERAMIC FREEDOM adapter	60 51 762
 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
 Yoshida QUICK JOINT adapter	63 23 831

## FLEX LID









Adapter for ultrasonic handpieces, tips and multi-functional syringe attachments	REF.
<b>Scaler adapter for FLEX lid</b>	
 Sirona Scaler TL adapter: For SIROSONIC TL and PerioSonic	65 36 135
 Sirona Scaler L adapter: For SIROSONIC/ L	65 36 143
<b>Syringe-nozzle adapter for FLEX lid</b>	
 Sirona SPRAYVIT adapter: For SPRAYVIT nozzle G	65 36 150
 Sirona SPRAYVIT 4000 adapter: For SPRAYVIT nozzle 4000	65 36 168
<b>Scaler tip adapter for FLEX lid</b>	
 Sirona scaler tip adapter: For SIROSON S/C8/L instrument tips; SIROSONIC /L; SIROSONIC TL; PerioSonic: L, PE, PS, SIRORETRO, SIROPREP	65 36 127

# NitraDem Direct Connect SIRODEM

## TECHNICAL DATA

Technical data	NitraDem Direct Connect	SIRODEM
Throughput (l/h)	40	50
Purified water quality (µS/cm)	0.1–10	0.1–20
Electrical connection	100V–240V; 50–60 Hz	110V AC / 230V AC, 50–60 Hz
Panel dimensions incl. filter (cm)	26.5 x 32 x 12 (H x W x D)	60 x 10 (H x 0)
Filter dimensions (cm)	28.5 x 29.5 x 28.5 (H x W x D)	43.5 x 10 (H x 0)
Weight (kg)	6.3	Approx. 3
Capacity/10° dH/(Liter)	430	425
EN 1217 compliant	Yes	No
Fixed connection	Yes	No
Special features	Free water inlet	–
Water pressure from control panel	5–6 bar	–

## ORDER INFORMATION AND ACCESSORIES

Water treatment system accessories	REF.
 NitraDem Direct Connect, incl. installation kit, NitraDem filter, control panel	62 59 852
 NitraDem filter	61 98 431
 Water pistol for NitraDem Direct Connect	62 59 084
 SIRODEM 220 V SIRODEM 110 V	58 86 168 59 48 554
 NITRADEM DC drain valve	63 19 847
 Cartridges for SIRODEM	58 92 026



# ALWAYS AT THE FOREFRONT OF INNOVATION!

As global innovation leader for dental equipment, we continuously invest in research and thus in the future of modern dentistry. By networking digital technologies with integrated solutions and optimizing the treatment workflow, we create improved treatment results, more comfort and safety for the patient as well as time and cost savings in everyday work. The combination of constant innovative power and globally growing sales and service structures makes Sirona the global market leader trusted by thousands of practices and labs around the world. **Enjoy every day. With Sirona.**



#### **CAD/CAM systems**

From pioneer to new standard. For 30 years we have been developing digital dentistry and creating new possibilities for the future practice and lab.



#### **Imaging systems**

Best image quality with the lowest dose. More than 100 years of developing x-rays for the dental practice make us the number 1 innovation partner.



#### **Treatment centers**

The business card of modern practices. We are striving to create the ideal ergonomic and innovative center. Individually tailored to the well-being and demands of the patient and dentist.



#### **Instruments**

Advantages that speak for themselves. We make sure that we provide the right balance of proven quality, individual ergonomics and innovative technology for user-friendly work.



#### **Hygiene systems**

Competence that gives you safety. When it comes to hygiene in the practice, we do not take any shortcuts.