

3. DAC Universal S – with sterilization

Fully automated reprocessing process

- 2.
- 3.
1. DAC Universal S cleans, lubricates (if necessary) and sterilizes up to six straight and contra-angle handpieces and turbines in a fully automated process. Furthermore, ultrasonic/ sonic 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 DAC Universal S.

Lid variations



Pink Lid

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



White Lid

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

Reprocessing of rotating instruments in a single cycle with the Program Pink 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)



Sterilization and cooling

6. Heating up to 134 °C
7. Back-flush: Saturated steam is directed through the instruments
8. Sterilization: 3 min. at 134 °C
9. Cooling
10. The lid opens slightly
11. The lid can now be opened fully

Reprocessing with the White Lid (identical process to the Program Pink Lid, but without lubrication)



Internal cleaning with cold water



External cleaning with cold water



Sterilization and cooling

3 pirkimo dalis



Technical data

DAC Universal S

Installation prerequisites	
Electrical power supply	10. - 100-127 VAC / 200-240 VAC 50 / 60 Hz
Power consumption	7. 1.3 kW
Compressed air connection	6. Input pressure: 5.0 - 8.0 bar; max. Short-term air consumption: approx. 60 NI/min. at 5 bar
Oil Can capacity	0.2 l
Water tank capacity	2.3 l
Water consumption	DAC Universal S: approx. 900 ml. per cycle (Program Pink Lid)
Water quality	< 3 µS/cm
Height open/closed (with Blue/Pink Lid) x width x depth	4. 59 cm / 40 cm x 40 cm x 42 cm
Capacity	3. up to 6 instruments
Weight	5. 26 kg
Minimum distance from wall/ceiling	10 cm / 70 cm

Installation kit		
Designation	Description / models	REF.
"Siphon" installation kit (Touch)	Including: <ul style="list-style-type: none"> • Siphon with direct connection • Manometer • Hose • Waste water filter (6 pcs.) • NitraClean cleaning tablets (50 pcs.) 	67 09 880
"Waste water tank" installation kit (Touch)	Including: <ul style="list-style-type: none"> • Waste water tank • Manometer • Hose • Waste water filter (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	
Program Pink Lid	1., 2. Cleaning, sterilization and lubrication of straight and contra-angle handpieces, turbines and contra-angle heads 134 °C, 3 min. sterilization, entire cycle time: approx. 21 min ¹ including cooling
Program White Lid	Cleaning and sterilization of ultrasonic/sonic handpieces and tips, nozzles of multifunctional syringes and powder jet devices as well as powder jet handpieces 134 °C, 3 min. sterilization, entire cycle time: approx. 21 min ¹ including cooling

¹ The cycle times can vary.

Ordering information and accessories

DAC Universal S

Product	REF.
 <p>Pink Lid:</p> <ul style="list-style-type: none"> • Pink Lid 8.1. • 1 bottle of DAC Oil lubrication concentrate 8.2. • Water filter • Hose 8.4. • Combination filter 8.3. • Power cable • Screwdriver for adapter • USB stick DAC Universal S • Indicator holder <p>Check & Clean kit:</p> <ul style="list-style-type: none"> • Check & Clean Cap • Check & Clean Lid • NitraClean cleaning tablets 8.5. • Syringe • Cotton rolls • Screwdriver for waste water filter • Waste water filter 	67 62 160
 <p>“Siphon” installation kit (Touch):</p> <ul style="list-style-type: none"> • Siphon with direct connection • Manometer • Hose • Waste water filter (6 pcs.) • NitraClean cleaning tablets (50 pcs.) 	67 09 880
 <p>“Waste water tank” installation kit (Touch):</p> <ul style="list-style-type: none"> • Waste water tank • Manometer • Hose • Waste water filter (6 pcs.) • NitraClean cleaning tablets (50 pcs.) 	66 98 299

Accessories	REF.
 <p>DAC Oil lubrication concentrate (blue, 6 bottles) for DAC Universal 8.2.</p>	62 59 118
 <p>NitraClean tablets (pack of 50) 8.5.</p>	66 35 499
 <p>PCD DAC Universal S</p>	67 42 956
Waste water filter (6 pcs.)	66 98 166
Indicator holder	67 43 624
Chemical indicators (510 pcs., for DAC Universal S)	67 42 857
Check & Clean Lid	67 09 997
Check & Clean Cap	67 10 003

Accessories	REF.
 <p>Pink Lid, incl. indicator holder, without adapters</p>	67 42 907
 <p>White Lid, incl. indicator holder, without adapters</p>	67 42 931
 <p>Lid holder</p>	67 09 856
 <p>Waste water tank with hose</p>	60 78 526
 <p>Siphon with direct connection</p>	61 26 341
DAC Universal thermal printer printer paper	60 51 770 65 99 018

8.1.

Pink Lid

8.1.	Adapter for straight and contra-angle handpieces	REF.
	Dentsply Sirona TE/ Classic Adapter Touch	66 86 682
	ISO/INTRAmatic® adapter	60 51 648
	KaVo and Bien-Air contra-angle handpiece adapter	60 51 663
8.1.	Adapter for turbines	REF.
	Dentsply 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 Phateleus adapter	60 51 804
	NSK QDJ adapter	60 51 812
	Borden 2/3 hole adapter	60 51 861
	Castellini CERAMIC FREEDOM adapter	60 51 762
	Midwest/ISO 4/5-hole adapter	60 51 853
	Morita PAR-DI adapter	60 51 911
	Morita PAR-O adapter	60 51 929
	Osada OFJ-MZL adapter	60 85 745
	Yoshida QUICK JOINT adapter	63 23 831

White Lid¹

Adapter for ultrasonic/sonic handpieces, tips and multi-functional syringe attachments		REF.
Adapter for ultrasonic/sonic handpieces:		
	Dentsply Sirona SiroSonic TL/ PerioSonic adapter	65 36 135
	Dentsply Sirona SiroSonic/ L adapter	65 36 143
	EMS Piezon handpiece adapter	66 13 538
	Satelec Slim handpiece adapter	66 23 438
	Satelec Newtron LED handpiece adapter	66 23 446
	Satelec Newtron handpiece adapter	66 23 420
	KaVo SONICflex handpiece adapter for KaVo SONICflex 2003 and KaVo SONICflex 2008	67 32 056
Adapter for multi-functional syringe nozzles:		
	Dentsply Sirona Sprayvit nozzle adapter	65 36 150
	Dentsply Sirona Sprayvit 4000 nozzle adapter	65 36 168
Adapter for ultrasonic/sonic tips:		
	Dentsply Sirona ultrasonic tip adapter: For the instrument tips SiroSon S/C8/L; SiroSonic/L; SiroSonic TL; PerioSonic ¹²	65 36 127
	EMS ultrasonic tip adapter ²	66 10 708
	Satelec ultrasonic tip adapter ²	66 10 716
	KaVo SONICflex 2003 tip adapter ²	67 35 646
Adapter for nozzles of powder jet devices:		
	EMS AIR-FLOW ³	66 23 461
	EMS AIR-FLOW® Handy	66 23 453

¹ The White Lid is not intended for the reprocessing of implant, endo and CEM tips.

² Please check the compatibility list for authorized tips.

³ Currently not available

1.12 Scope of delivery

DAC Universal D scope of delivery

The following components are included in the scope of delivery of the DAC Universal:

- Blue lid
- 1 bottle of DAC Oil care concentrate
- Combination filter (sterile filter and air filter)
- Water filter set
- Hose
- Screwdriver for adapter
- Power cable
- Check & Clean kit:
 - Check & Clean lid
 - Check & Clean cap
 - NitraClean cleaning tablets
 - Syringe
 - Cotton wool rolls
 - Screwdriver for drain filter
 - Drain filter incl. O-rings

The adapters for the Blue lid can be freely selected and must be purchased separately. For an overview of available adapters, see the separate instructions for use for the adapters.

8.

DAC Universal S scope of delivery

The following components are included in the scope of delivery of the DAC Universal S:

- **Pink lid** **8.1.**
- **1 bottle of DAC Oil care concentrate** **8.2.**
- **Combination filter (sterile filter and air filter)** **8.3.**
- Water filter set
- **Hose** **8.4.**
- Screwdriver for adapter
- Power cable
- PCD test device
- Indicator holder
- Check & Clean kit:
 - Check & Clean lid
 - Check & Clean cap
 - **NitraClean cleaning tablets** **8.5.**
 - Syringe
 - Cotton wool rolls
 - Screwdriver for drain filter
 - Drain filter incl. O-rings

8.1. **The adapters for the Pink lid can be freely selected and must be purchased separately.** For an overview of available adapters, see the separate instructions for use for the adapters.

3.2.8 DAC Oil care concentrate



DAC Oil care concentrate is used to lubricate the drive channels and the rotor of the turbines, and straight and contra-angle handpieces, and is not screwed into the device upon delivery.

The bottle must be screwed in before the first use of the DAC Universal.

DAC Oil is approved by leading international instrument manufacturers.

One bottle of DAC Oil is enough for lubricating approx. 250 cycles (corresponding to approx. 1500 straight/contra-angle handpieces or turbines).

The care concentrate comes in a no-pressure bottle.

(Safety) information for the lubrication concentrate

NOTICE

Too much oil, e.g. from manually adding lubrication, may result in overlubrication of the instrument.

NOTICE

Please lubricate the collet system of your turbines, straight and contra-angle handpieces regularly as per the lubrication and instructions for use from the respective instrument manufacturer.

CAUTION

Risk of contamination!

Use only DAC Oil for the DAC Universal.

IMPORTANT

8.2.

In case of fire: **There is maximum 200 ml / 0.043 imperial gallons** of oil in the DAC Universal. There is no danger that dangerous or harmful gases can develop in case of fire.

NOTICE

The oil must be stored and handled at temperatures below 50 °C (122 °F). Follow all warnings on the handling, use, and disposal of the oil. This information is in the safety data sheet. The safety data sheet for DAC Oil is available at www.dentsplysirona.com.

IMPORTANT

No toxic, harmful, or dangerous gases arise during the handling, use, or removal of DAC Oil. The oil is pumped directly from the care concentrate bottle into the DAC Universal.

EU Declaration of Conformity



Document No.: GI 162 / 05

Manufacturer and Address:	SIRONA Dental Systems GmbH Fabrikstraße 31 64625 Bensheim Germany
Product Category:	Reprocessing Device
Medical Device Name:	DAC Universal
Product Identification (Ref.-Number):	Type MK IV REF see page 2
Classification according to Annex IX (93/42/EEC):	Class II b

We declare under our sole responsibility the compliance of the medical device concerned with the requirements of the Council Directive 93/42/EEC.

Any modification to the product, not authorized by us, will invalidate this declaration.

Valid from manufacturing date: 2020-10-13

The conformity of the full quality assurance system (Directive 93/42/EEC, Annex II excluding 4) is certified by:

TÜV SÜD Product Service GmbH
Ridlerstraße 65
80339 München
Germany

The identification number of the notified body for implementation of the procedure is 0123.

Bensheim: 13.10.2020

Place and date



Michael Geil
Group Vice President Equipment and Instruments



Wolfram Müller
Regulatory Compliance Manager

*The declaration certifies the compliance according to Annex II of Directive 93/42/EEC.
Conditions of guarantee and liability are dealt within our General Conditions of Sale.*

EU Declaration of Conformity



Document No.: GI 162 / 05

Name	REF
DAC Universal	6754860
DAC Universal D	6727916
DAC Universal S	6762160