

# NSK Care & Maintenance instructions in accordance with ISO/EN 17664 and HTM 01-05

## 1. Preparation

- Remove rotary instrument from tubing
- Remove bur
- Do not submerge rotary instrument in any solution

## 2a. Automatic cleaning and disinfection using a thermo/washer disinfectant

- Always ensure that rotary instruments are placed on the correct adaptors
- Cleaning agent pH level must be between 2.5-10.5
- Rinse cycle must be activated

OR (if automatic method is not available see 2b below)

## 2b. Manual cleaning and disinfection using tap water, brushes, cloths and detergent

- Clean rotary instrument under cold or tepid running water using a soft to medium brush
- Disinfect externally using approved detergent wipes. DO NOT USE SPRAYS
- When using external disinfectant rinse of residues afterwards under running water
- Disinfect internally using an approved product followed by ALPRO WL-Dry or WL-Blow
- You MUST finish by using ALPRO WL-DRY or WL-Blow at all times if using internal disinfectant

## 3. Inspect

- Inspect rotary instruments for debris and repeat above process if necessary

## 4. Drying

- The drying procedure is normally part of the cleaning programme of the thermo/washer disinfectant alternatively dry manually using a tissue

## 5a. Automatic lubrication using NSK Care3 Plus

- Check machine is connected and working correctly
- Connect rotary instrument to correct port
- Select appropriate cycle (refer to NSK Care3 Plus user manual)
- Use air cycle as required
- Always lubricate straight handpieces with closed chuck and blanking piece inserted
- Always complete steps 2,3,4,5 in quick succession
- Lubricate chuck mechanism using PANA SPRAY plus with tip nozzle at least 2-3 times per week

## 5b. Manual lubrication using NSK PANA SPRAY plus

- Select correct nozzle for rotary instrument (see list below)
- Shake spray can
- Keep spray can in upright position
- Insert nozzle in to rotary instrument
- Always lubricate straight handpieces with closed chuck and blanking piece inserted

- Spray rotary instrument for 2-3 seconds holding a clean tissue over the head end
- Check tissue for debris and if oil is not running clean repeat process until rotary instrument is clean and free of debris
- Lubricate chuck mechanism using PANA SPRAY plus with tip nozzle weekly
- Always complete steps 2,3,4,5 in quick succession

## 6. Packaging

- Pack in accordance with current applicable standards/legislation if using a B or S type autoclave. If using an N type autoclave, pack AFTER sterilisation.

## 7. Sterilisation

- Sterilise in a steam steriliser (autoclave) at a temperature not exceeding 138°C in accordance with current applicable standards. Always remove from autoclave as soon as cycle is complete.

## 8. Storage

- Store rotary instruments protected from dust, dirt and micro-organisms, ideally in an upright position (head up)
- Rotary instruments MUST be stored dry
- Always comply with expiry dates of sterilised items in accordance with current applicable standards/legislation

## PANA SPRAY Plus Nozzles

Always choose the right one for your handpiece



KV Nozzle - Z090-051  
For KaVo® MULTiflex Coupling



SR Nozzle - Z090-052  
For Sirona® Quick Coupling



BA Nozzle - Z090-053  
For Bien-Air® Unifix® Coupling



WH Nozzle - Z090-054  
For W&H® Roto Quick® Coupling



For Phatelus Air Motor Heads - M070-090  
To be used with P183-090



QD Nozzle - Z096-090  
For QD Couplings



Standard E-Type Nozzle - Z019-090  
For E-Type attachments



NSK Surgical Head Nozzle - Z114-090  
For E-Type attachments and surgical heads: SGM-I, SGMS-I and SGQ-H



Endo-Mate Head Nozzle - Z256-090  
For ENDO-MATE DT, TC, TC2 & TASKAL Wizard heads



Tip Nozzle - Z020-201  
For Borden 2/3 and Midwest 4 hole turbines and Borden 2/3 and Midwest 4 hole air motors and chuck mechanism



NSK Nozzle - P183-090  
For high speed instruments which attach to NSK Flexi Quick Coupling



**Call NSK on 0800 6341909 for more information  
or contact your preferred dental dealer**

## Automatic cleaning and lubrication using NSK Care3 Plus is simple



Maintenance oil tank



Oil level indicator Instrument connector



Mode selection buttons



Start button

- Check oil level indicator. Add more oil if required
- Open the door and connect 1, 2 or 3 handpieces to the correct handpiece adaptor. Close the door (Care3 Plus will not operate if the door is open)
- Select the correct programme Mode for each handpiece type by pressing the relevant Mode selection button (1, 2 or 3), until the required mode light is illuminated
  - S Mode for High Speed handpieces (air turbines) (Cycle time 35 seconds)
  - L Mode for Blue band Low Speed handpieces and NSK heads (Cycle time 45 secs)
  - E Mode for all speed reducing, speed increasing and surgical contra-angles and straight handpieces (Cycle time 50 secs)
- Press the 'Start' button. The door should not be opened until the cycle is finished. When the cycle is finished, before removing the handpieces, flush with air by pressing the 'air' button - as required

## Always select the correct adaptor before cleaning and lubrication



E-Type Handpiece  
For All Brands ISO E-Type and E-Type LUX Low Speed handpiece attachments - Z280-035 E-Type



NSK Coupling  
For High Speed handpieces that connect to NSK couplings - Z257-010 NSK



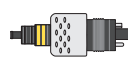
Borden 2 hole  
For Borden 2 hole High Speed handpieces - T904-001 Borden®



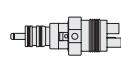
Kavo Coupling  
For High Speed handpieces that connect to Kavo® Multiflex LUX® couplings - Z257-020 Kavo®



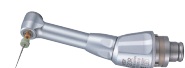
Sirona Coupling  
For High Speed handpieces that connect to Sirona® Quick couplings - Z257-023 Sirona®



W&H Coupling  
For High Speed handpieces that connect to W&H® Roto Quick® couplings - Z257-021 W&H®



Bien Air Coupling  
For High Speed handpieces that connect to Bien-Air® Unifix® couplings - Z280-022 Bien-Air®



F-Type Head  
For ENDO-MATE DT, TC / TASKAL Wizard Heads - Z280-042 F-Type

## Always select the correct spray nozzle before cleaning & lubrication

It is preferable to purge any excess solution by briefly operating the handpiece. When purging cover the handpiece head with a tissue. Firmly attach the nozzle onto the valve at the top of the Pana Spray Plus can. Keep the spray can in an upright position

### High Speed Optic & Non Optic handpieces that connect direct to:

NSK type nozzle P183-090	
Kavo® type nozzle Z090-051	
W&H® type nozzle Z090-054	
Sirona® type nozzle Z090-052	
Bien-Air® type nozzle Z090-053	
QD type nozzle Z096-090	

### Contra-angles, Handpieces, Shanks & Heads:

E Type (all brands) Z019-090	
ISO E Type (all brands) and NSK Surgical Heads SGM-I, SGMS-I & SQG-H Z114-090	
NSK HEADS used with Endo-Mate DT, TC, TC2 and TASKAL Wizard Z256-090	
Tip nozzle for Borden 2/3 and Midwest 4 hole turbines and Borden 2/3 and Midwest 4 hole air motors Z020-201	
Tip nozzle for chuck mechanism maintenance Z020-201	