



TURBINES  
AIR OF PRECISION AND POWER

**YANN GATEAU**

HES (University of Applied Science) Engineer in Microtechnology  
Characterisation of the sound level. Use of A-weighted frequency  
values, simulating human perception.



# BIEN-AIR

## A TRADITION OF INNOVATION AND EXCELLENCE

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3

Producing the best instruments to simplify the work of practitioners and constantly improve patient comfort. This has been Bien-Air's mission since its creation in 1959. Paying careful attention to professionals every day, Bien-Air has met increasing challenges, always setting the bar higher. A true culture of excellence sitting perfectly with the tradition of Swiss Made products from the renowned Watch Valley.

Our promise for the future is to continue to innovate, to offer you the most advanced and most reliable instruments. Facilitating your work, day in, day out.

SWISS  
MADE   
QUALITY

Reliability, precision and ergonomics are at the core of the development of each of our products.

# BIEN-AIR TURBINES

## ALL GREATNESS HAS A HISTORY

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Bien-Air designed the first ever reliable turbine, marking the first of many revolutionary innovations: the first push-button bur change mechanism, air bearing technology, the first quick-connect coupling connection, the dual multi-strand optical glass conductor... to name just a few. These technological advances have always helped to make our turbines unique.

The most advanced technology, the most refined ergonomics: our collection of Bien-Air turbines has always been characterised by this perfect balance.



5



#### BLACKLINE

Light, slim and ultra-resistant: Blackline handles made from vacuum-moulded carbon fibre have set a new technological standard.



#### QUALITY LED

Adjustable brightness, natural light, no overheating and exceptional resistance to sterilisation.



#### DUALOOK

The dual multi-strand optical glass conductor provides the best lighting on the market and is robust enough to withstand all conditions.



#### ACCU-SPRAY

Cooling with 3 sprays with 6 separate air and water nozzles. The ultra-precise nebulisation this offers provides the best possible cooling, and ensures perfect visibility.



#### SEALED HEAD

In combination with the anti-retraction valve, a Teflon® lip prevents any residues or contaminants from entering the instrument.



#### CERAMIC REVOLUTION

Longer service life, greater precision. Less noise, less vibration. Superior quality ceramic ball bearings.



#### ACCU-CHUCK

The most precise bur locking and rotation drive technology in the world. Discover instruments with no imbalance or vibration.



#### COOL TOUCH

Push-button with an anti-heating safety system. This reduces the risk of burning your patients with the head of your instrument. For your comfort and your patients' safety.



#### SOFT PUSH

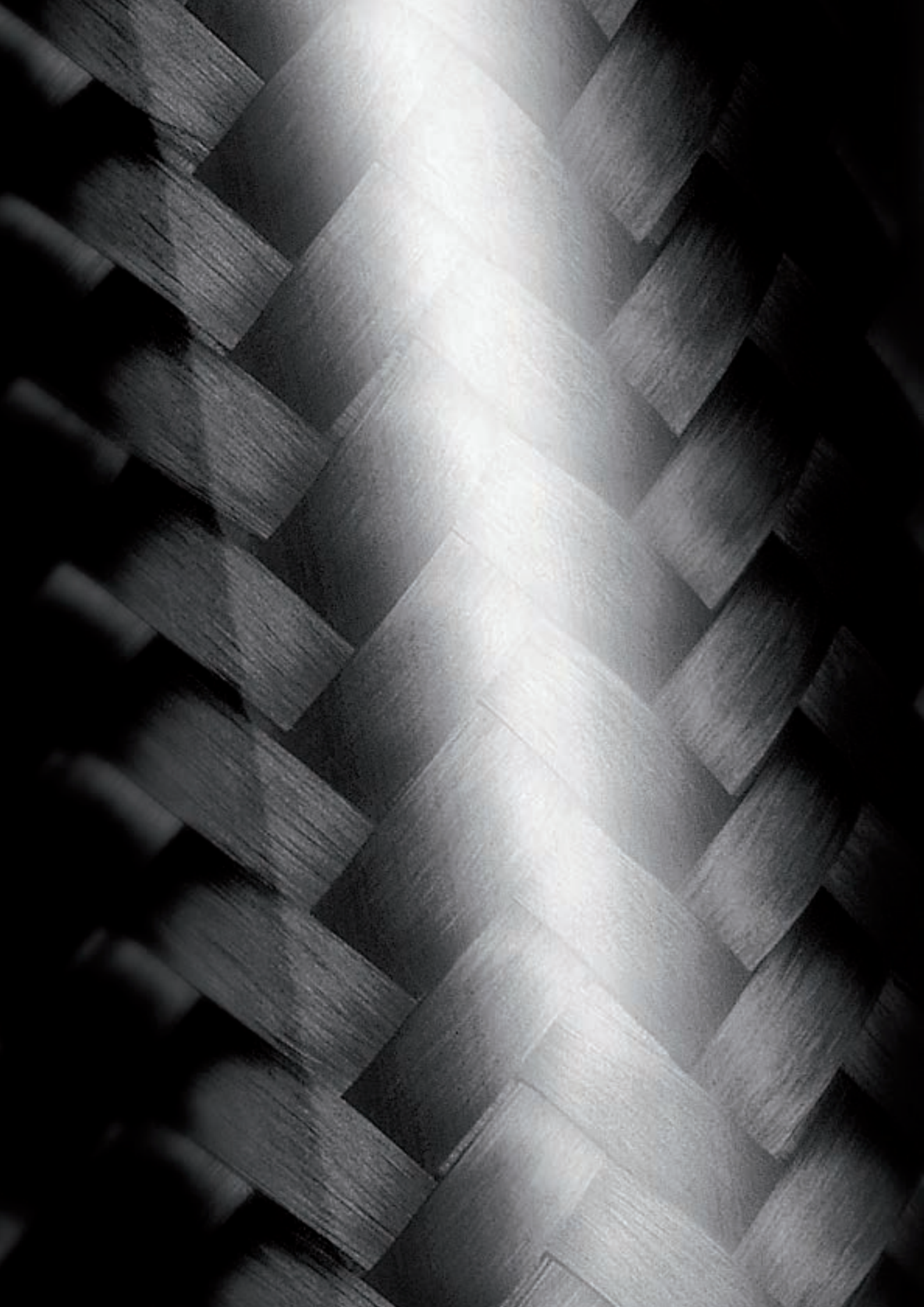
Bien-Air's unique push-button insert and clamp locking mechanism. Light pressure is all that's required. Bur changing is quick, comfortable, safe and accurate.



#### FREE MOVE

The Bien-Air turbine-hose combination offers a freedom of movement conducive to working comfort, thanks to the light and flexible rotating coupling.





# BLACKLINE

## THE CHALLENGE OF PERFECTION

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7

Imagine a high-performance instrument so incredibly light and fine, yet sleek and strong. Inspired by the latest technological advances in the most demanding fields such as aeronautics, sailing and competitive sports, the Blackline Bora incorporates a carbon fibre handle.

Power, precision and ergonomics. With our new Blackline range, take the excellence challenge.

In creating the Blackline range, Bien-Air is perpetuating a tradition of innovation and high technology.

# BORA & PRESTIGE AHEAD OF THE FIELD



The range of Bora & Prestige turbines combines cutting edge technology with exceptional ergonomics. The advanced performance for which they are renowned has been optimised even further and the purity of their lines make them simply unique. A perfect union of form and function for procedures of unprecedented efficiency and comfort.



BORA L BLACKLINE LED



BORA L LED



BORA L







BORA



PRESTIGE L BLACKLINE LED



PRESTIGE L LED



PRESTIGE L



PRESTIGE





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Bora & Prestige turbines guarantee impeccable hygiene thanks to the Sealed Head air and water anti-retraction valves and perfect nebulisation provided by the six separate Accu-Spray air and water nozzles. Lastly, they are equipped with a Soft Push button, optimised to provide an easier tool change, and an Accu-Chuck clamp locking mechanism which reduces vibrations and noise.

Fitted with an exclusive dual conductor LED system, our turbines provide uniform lighting of the working area, with the intensity of the light almost doubled thanks to brand new technology: hot-pressed multi-strand optical glass.



# BORALINA & PRESTILINA UNCOMPROMISING QUALITY



Get back to basics with these long-proven, superb instruments: authentic, reliable and well-priced. Designed along the same lines as its big cousin, the Bora, the Boralina turbine is remarkably powerful and robust. The Prestilina is a simplified version of the Prestige turbine. It guarantees unparalleled handling and accuracy, thanks in particular to its small head.

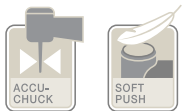
When it comes to instrument changing, it could not be simpler thanks to the 4-way and 2-/3-way Unifix quick-connect couplings. Quality and long service life at an unrivalled price.





# BLACK PEARL ECO

## SIMPLICITY ITSELF



The competitive price, lightness and ease of maintenance of the Black Pearl Eco ensure it stands apart. If this were not enough, its power has been increased by more than 50%. It has one separate air/water spray and connects directly to a 2-/3-way or 4-way hose. Its moderately sized head makes this the versatile turbine par excellence.

Practical and robust, the Black Pearl Eco turbine is a comprehensive and indispensable instrument.







# TECHNICAL DATA



## BORA L BLACKLINE / BORA L

|  |   |
|--|---|
| Type   | Turbine with LED light  |
| Handle                                       | Made from carbon fibre or metal   |
| Connection                                   | Using 4-way Unifix quick-connect coupling, rotating 360°                    |
| Speed of rotation                            | 320,000 rpm   |
| Recommended air pressure                     | 2.6 bar   |
| Cooling                                      | Diffuser, with 3 separate air and water sprays, water anti-retraction valve |
| Ball bearings                                | Ceramic, for an improved service life                                       |
| Chuck locking mechanism                      | Push-button with anti-heating system  |
| Light transmission                           | Multi-strand optical glass conductor  |
| Lighting                                     | LED with adjustable intensity   |
| Cleaning/Sterilisation                       | Thermo washer disinfectable / Steam autoclave up to 135°C                   |
| Weight                                       | 59g Blackline version / 75g metal version                                   |
| Bora L Blackline LED ref.                    | 1600637-001 carbon fibre handle   |
| Bora L LED ref.                              | 1600638-001   |
| Bora L Blackline LED + 4-way Unifix set ref. | 1700303-001   |
| Bora L LED + 4-way Unifix set ref.           | 1700305-001   |



## BORA L

|                                |   |
|--------------------------------|---|
| Type                           | Turbine with light  |
| Connection                     | Using 4-way Unifix quick-connect coupling, rotating 360°                    |
| Speed of rotation              | 320,000 rpm   |
| Recommended air pressure       | 2.6 bar   |
| Cooling                        | Diffuser, with 3 separate air and water sprays, water anti-retraction valve |
| Chuck locking mechanism        | Push-button with anti-heating system  |
| Light transmission             | Multi-strand optical glass conductor  |
| Lighting                       | Halogen   |
| Cleaning/Sterilisation         | Thermo washer disinfectable / Steam autoclave up to 135°C                   |
| Weight                         | 78g   |
| Bora L ref.                    | 1600382-001   |
| Bora L + 4-way Unifix set ref. | 1700189-001   |



## BORA LK BLACKLINE / BORA LK

|                          |   |
|--------------------------|---|
| Type                     | Turbine for MULTIflex® coupling with light                                  |
| Handle                   | Made from carbon fibre or metal   |
| Connection               | Using MULTIflex® coupling   |
| Speed of rotation        | 320,000 rpm   |
| Recommended air pressure | 3.1 bar   |
| Cooling                  | Diffuser, with 3 separate air and water sprays, water anti-retraction valve |
| Ball bearings            | Ceramic, for an improved service life                                       |
| Chuck locking mechanism  | Push-button with anti-heating system  |
| Light transmission       | Multi-strand optical glass, MULTIflex®-compatible                           |
| Cleaning/Sterilisation   | Thermo washer disinfectable / Steam autoclave up to 135°C                   |
| Weight                   | 57g Blackline version / 72g metal version                                   |
| Bora LK Blackline ref.   | 1600731-001 carbon fibre handle   |
| Bora LK ref.             | 1600732-001   |

## PRESTIGE L BLACKLINE / PRESTIGE L

|  |   |
|--|---|
| Type   | Turbine with LED light, small head  |
| Handle   | Made from carbon fibre or metal   |
| Connection                                       | Using 4-way Unifix quick-connect coupling, rotating 360°                    |
| Speed of rotation                                | 315,000 rpm   |
| Recommended air pressure                         | 3.1 bar   |
| Cooling  | Diffuser, with 3 separate air and water sprays, water anti-retraction valve |
| Ball bearings                                    | Ceramic, for an improved service life                                       |
| Chuck locking mechanism                          | Push-button with anti-heating system  |
| Light transmission                               | Multi-strand optical glass conductor  |
| Lighting   | LED with adjustable intensity   |
| Cleaning/Sterilisation                           | Thermo washer disinfectable/Steam autoclave up to 135°C                     |
| Weight   | 56g Blackline version/71 g metal version                                    |
| Prestige L Blackline LED ref.                    | 1600640-001 carbon fibre handle   |
| Prestige L LED ref.                              | 1600641-001   |
| Prestige L Blackline LED + 4-way Unifix set ref. | 1700304-001   |
| Prestige L LED + 4-way Unifix set ref.           | 1700306-001   |



## PRESTIGE L

|                                    |   |
|------------------------------------|---|
| Type                               | Turbine with light, small head  |
| Connection                         | Using 4-way Unifix quick-connect coupling, rotating 360°                    |
| Speed of rotation                  | 335,000 rpm   |
| Recommended air pressure           | 3.1 bar   |
| Cooling                            | Diffuser, with 3 separate air and water sprays, water anti-retraction valve |
| Chuck locking mechanism            | Push-button with anti-heating system  |
| Light transmission                 | Multi-strand optical glass conductor  |
| Lighting                           | Halogen   |
| Cleaning/Sterilisation             | Thermo washer disinfectable/Steam autoclave up to 135°C                     |
| Weight                             | 73g   |
| Prestige L ref.                    | 1600380-001   |
| Prestige L + 4-way Unifix set ref. | 1700184-001   |



## PRESTIGE LK BLACKLINE / PRESTIGE LK

|                            |   |
|----------------------------|---|
| Type                       | Turbine for MULTIflex® coupling with light, small head                      |
| Connection                 | Using MULTIflex® coupling   |
| Handle                     | Made from carbon fibre or metal   |
| Speed of rotation          | 330,000 rpm   |
| Recommended air pressure   | 3.5 bar   |
| Cooling                    | Diffuser, with 3 separate air and water sprays, water anti-retraction valve |
| Ball bearings              | Ceramic, for an improved service life                                       |
| Chuck locking mechanism    | Push-button with anti-heating system  |
| Light transmission         | Multi-strand optical glass, MULTIflex®- compatible                          |
| Cleaning/Sterilisation     | Thermo washer disinfectable/Steam autoclave up to 135°C                     |
| Weight                     | 54 g Blackline version/72 g metal version                                   |
| Prestige LK Blackline ref. | 1600733-001 carbon fibre handle   |
| Prestige LK ref.           | 1600734-001   |



# TECHNICAL DATA



## BORA

|                                   |   |
|-----------------------------------|---|
| Type                              | Turbine without light   |
| Connection                        | Using 2- /3-way or 4-way Unifix quick-connect coupling, rotating 360°       |
| Speed of rotation                 | 320,000 rpm   |
| Recommended air pressure          | 2.6 bar   |
| Cooling                           | Diffuser, with 3 separate air and water sprays, water anti-retraction valve |
| Ball bearings                     | Ceramic, for an improved service life                                       |
| Chuck locking mechanism           | Push-button with anti-heating system  |
| Cleaning/Sterilisation            | Thermo washer disinfectable/ Steam autoclave up to 135°C                    |
| Weight                            | 72 g  |
| Bora ref.                         | 1600381-001   |
| Bora + 2- /3 -way Unifix set ref. | 1700187-001   |
| Bora + 4-way Unifix set ref.      | 1700188-001   |



## PRESTIGE

|                                      |   |
|--------------------------------------|---|
| Type                                 | Turbine without light, small head   |
| Connection                           | Using 2- /3-way or 4-way Unifix quick-connect coupling, rotating 360°       |
| Speed of rotation                    | 315,000 rpm   |
| Recommended air pressure             | 3.2 bar   |
| Cooling                              | Diffuser, with 3 separate air and water sprays, water anti-retraction valve |
| Ball bearings                        | Ceramic, for an improved service life                                       |
| Chuck locking mechanism              | Push-button with anti-heating system  |
| Cleaning/Sterilisation               | Thermo washer disinfectable/ Steam autoclave up to 135°C                    |
| Weight                               | 65 g  |
| Prestige ref.                        | 1600379-001   |
| Prestige + 2- /3-way Unifix set ref. | 1700185-001   |
| Prestige + 4-way Unifix set ref.     | 1700186-001   |



## BLACK PEARL ECO

|                                |  |
|--------------------------------|--|
| Type                           | Turbine without light                                    |
| Connection                     | Direct connection to 2- /3- or 4-way hose                |
| Speed of rotation              | 310,000 rpm  |
| Recommended air pressure       | 2.5 bar  |
| Cooling                        | 1 separate air and water spray                           |
| Cleaning/Sterilisation         | Thermo washer disinfectable/ Steam autoclave up to 135°C |
| Weight                         | 50g 2- /3-way version / 54g 4-way version                |
| Black Pearl Eco 2- /3-way ref. | 1600039-001  |
| Black Pearl Eco 4-way ref.     | 1600040-001  |

## BORALINA

|                                     |  |
|-------------------------------------|--|
| Type                                | Turbine without light  |
| Connection                          | Using 2-/3-way or 4-way Unifix quick-connect coupling, rotating 360° |
| Speed of rotation                   | 310,000 rpm  |
| Recommended air pressure            | 2.7 bar  |
| Cooling                             | 1 separate air and water spray                                       |
| Cleaning/Sterilisation              | Thermo washer disinfectable / Steam autoclave up to 135°C            |
| Weight                              | 61 g   |
| Boralina ref.                       | 1600373-001  |
| Boralina + 2-/3-way Unifix set ref. | 1700200-001  |
| Boralina + 4-way Unifix set ref.    | 1700201-001  |



## PRESTILINA

|                                       |  |
|---------------------------------------|--|
| Type                                  | Turbine without light, small head                                    |
| Connection                            | Using 2-/3-way or 4-way Unifix quick-connect coupling, rotating 360° |
| Speed of rotation                     | 410,000 rpm  |
| Recommended air pressure              | 2.5 bar  |
| Cooling                               | 1 separate air and water spray                                       |
| Cleaning/Sterilisation                | Thermo washer disinfectable / Steam autoclave up to 135°C            |
| Weight                                | 60 g   |
| Prestilina ref.                       | 1600372-001  |
| Prestilina + 2-/3-way Unifix set ref. | 1700198-001  |
| Prestilina + 4-way Unifix set ref.    | 1700199-001  |



## UNIFIX COUPLINGS

|  |                                       |
|--|---------------------------------------|
| Type   | Quick-connect coupling, rotating 360° |
| Version with light   | With anti-retraction lock on the air  |
| 4-way Unifix for instruments with light ref.   | 1600363-001                           |
| 4-way Unifix for instruments with light, with a valve for regulating the spray, ref. | 1600086-001                           |
| 4-way Unifix ref.  | 1600082-001                           |
| 2-/3-way Unifix ref.   | 1600081-001                           |
| 2-/3-way adapter for 4-way hose ref.   | 1600089-001                           |



## HOSES

|  |   |
|--|---|
| Type   | With 4-way coupling and electrical socket |
| 4VLM multi-purpose hose, grey/air exhaust ref.         | 1600097-001 / standard length 1.7 m       |
| 4VLM multi-purpose hose, grey/air exhaust ref.         | 1600097-0 / special length                |
| 4VLM multi-purpose hose, grey/without air exhaust ref. | 1600102-001 / standard length 1.7 m       |
| 4VLM multi-purpose hose, grey/without air exhaust ref. | 1600102-0 / special length                |



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