

# Seal-Tight<sup>®</sup>

Disposable Air-Water Syringe Tips  
& *Seal-Tight* Adapters



Seal-Tight SPECTRUM

Available in seven assorted colours



## INFECTION PROTECTION AND DRY AIR ON DEMAND

Disposable air-water syringe tips eliminate what an autoclave can't: cross contamination.

Seal-Tight, the great eliminator:

- Eliminates the risk of cross contamination
- Eliminates sterilisation time
- Reduces the risk of moisture damage during procedures

Unique technology designed for rapid and secure tip replacement

Seal-Tight offers an easy to mount set of autoclavable adapters, custom designed to fit their respective syringe type, ensuring maximum compatibility.



Together, we're more.™

# The inside story on metal syringe tips

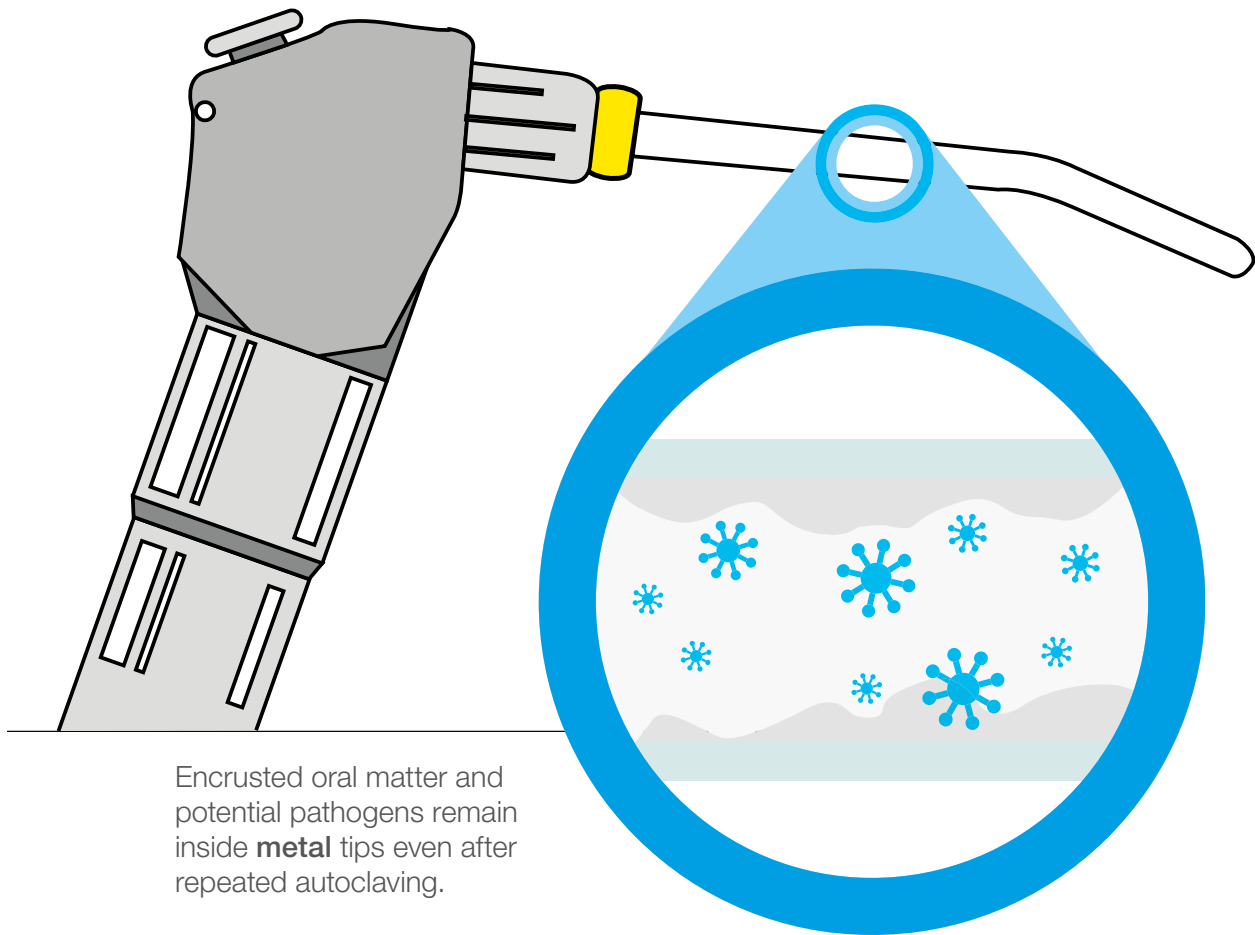
## Why use disposable air-water syringe tips?

Air-water syringes create a suck-back effect when turning the air-water on and off. Blood and saliva may accumulate in the lumens. While metal tips can be sterilised, their lumens are nearly impossible to clean, resulting in biofilm build-up inside the lumens.

Inadequate cleaning and/or sterilisation of the metal tips, results in a risk of cross infection among patients.

That's why Ministries of Health in various European and international countries recommend the use of disposable air-water syringe tips to reduce the risk of cross infection.

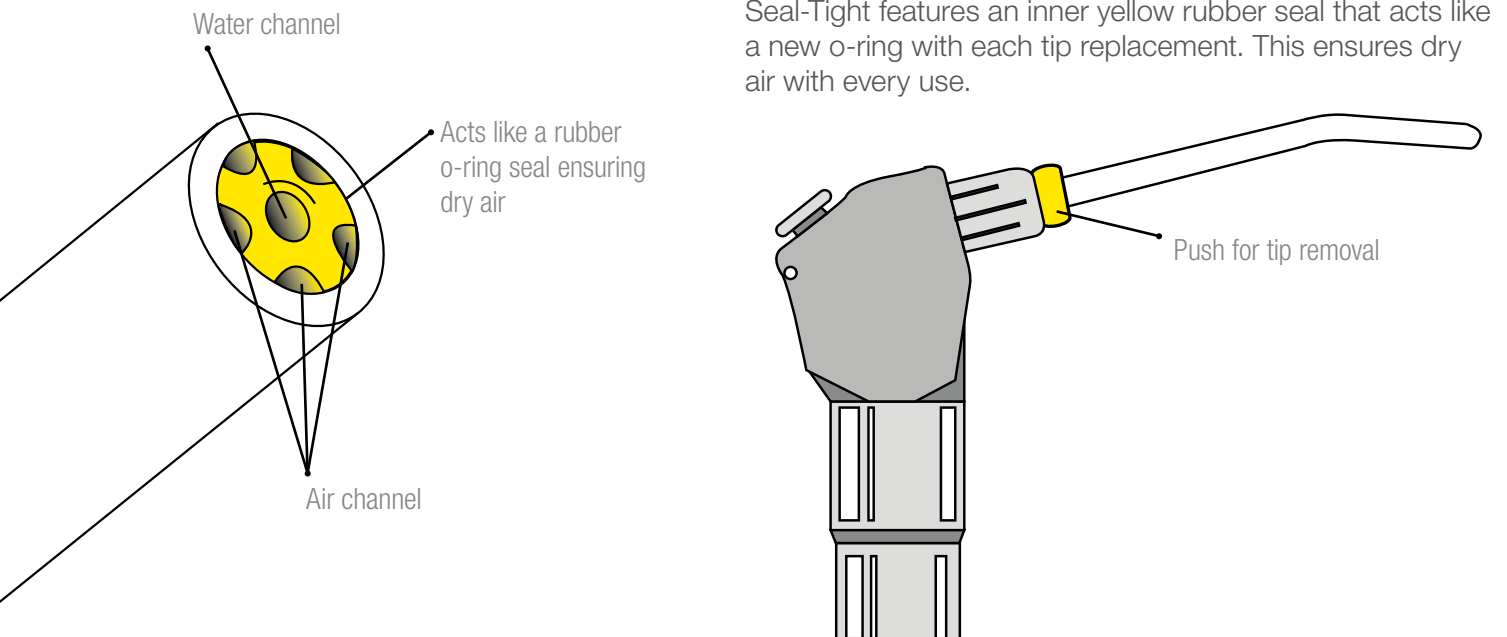
Air-water separation is critical when choosing a disposable air-water syringe tip. Over time, metal syringe tips cause wear and tear on the o-rings inside the syringe. This can result in inadequate air-water separation.



Encrusted oral matter and potential pathogens remain inside **metal** tips even after repeated autoclaving.

Reusable metal tips	Seal-Tight disposable tips
Possible pathogens inside reused tips	Single use: no cross contamination
O-ring wear: water gets in air spray	New o-ring with every tip: no water in air
Rigid tips	Tips bend without altering flow
Takes time to process	Five second replacement

The patented Seal-Tight disposable air-water syringe, and its soft plastic core eliminates wear and tear and ensures «dry air every time».



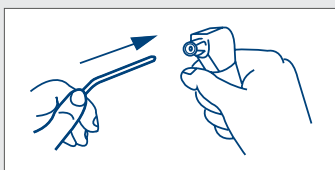
The advantages:

- Dry air on demand, fewer restoration failures caused by moisture
- Self-sealing rubber water channel acts like an o-ring with each tip replacement.
- Disposable, provides maximum infection protection
- Saves time, wasted on processing metal tips, thanks to easy tip replacement
- Flexible, can be bent to a 90° angle without affecting water flow
- Rigid, easily retracts lips and cheek without bending

### Seal-Tight tips are easy to remove and replace

The yellow press rings provide a proprietary, easy and safe way of mounting the tips onto the adapters.

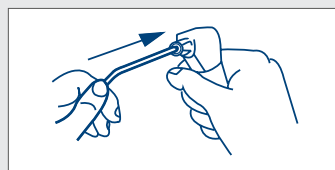
#### To insert tip



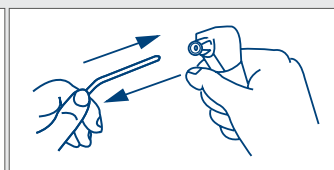
Insert new tip with twisting motion and push in firmly.

Verify tip is secure by tugging on it.

#### To remove tip

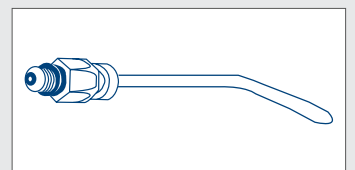


1. Press tip in.



2. Hold yellow ring in and pull tip out.

#### Do not push or pull on tip until installed



# What's different with Seal-Tight adapter?

The patented Seal-Tight adapter and tip invert the usual sealing system. The adapter is installed into the air-water syringe one time and remains there placing a metal "needle" in the channel where the water travels.

The Seal-Tight tip has a hard material on the outside and a soft yellow material on the inside. When you insert a Seal-Tight tip into the syringe, the stinger in the adapter is inserted in the soft yellow material of the tip.

This material squeezes the stinger and acts like an o-ring, sealing the water passage.

The soft material in the tip is brand new with every tip installation. It cannot wear out, because it's never re-used, thus the water-sealing surface can't wear out; it can't leak. This negates the need for service calls to correct this issue.

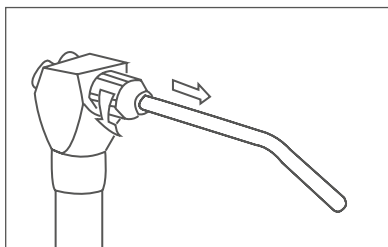
## Seal-Tight installation instruction

**PE 77021/A Adapter for «A-DEC» syringes**

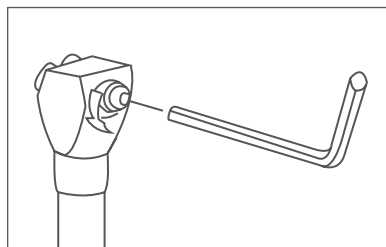
**PE 77022/M Adapter for «Engle/Marco» syringes**

**IMPORTANT** Use wrench or pliers to further tighten until snug. Do not over tighten.

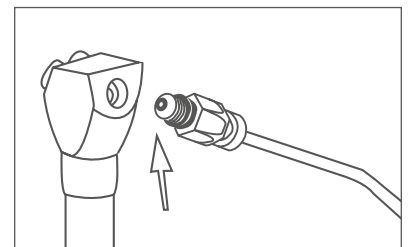
The "M" (Engle-Marco) syringes are usually easily recognisable as they are marked with the logo of the company.



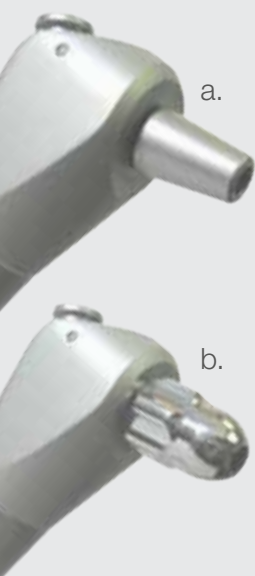
1. Unscrew and remove existing nut and tip. If nut, tip and adapter are screwed together, skip step 2.



2. Unscrew and remove adapter using Allen Key. Some adapters may require a screwdriver to remove.



3. Verify that small o-ring is in the end of tip-adapter assembly.



If syringes have a tip insertion fitting like the picture a. or b., you need Seal-Tight Adapter 77021 «A» – ADEC Style:

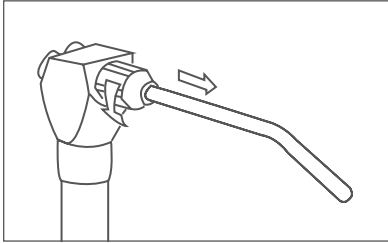
This adapter will fit all ADEC Style syringes, regardless of whether they have been previously converted with Sani-Tip or Pro-Tip adapters. The key to recognising if the syringe is an ADEC Style, is if once the original fitting or the Sani-Tip or Pro-Tip adapter is removed, the size of the hole in the face of the syringe is the diameter of a pencil or approximately 0.79cm in diameter.

(Includes: ADEC, Ampco, Aseptico, Beaverstate, Belmont, DentalEZ, Dentrex, Empire, Forest, Hampton, Healthco, MDT, Parkell, Robbins, Schein Euro-C, Scope, Unitek, Vacudent, Viking).

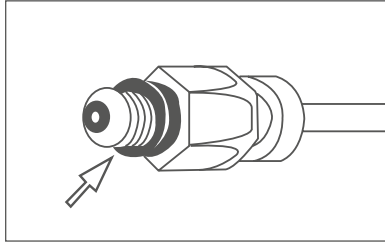
**PE 77023/D Adapter for «Dental-Ez» syringes (all syringes manufactured after Jan 1997 use 77021)**

**IMPORTANT:** Use wrench or pliers to further tighten until snug. Do not over tighten.

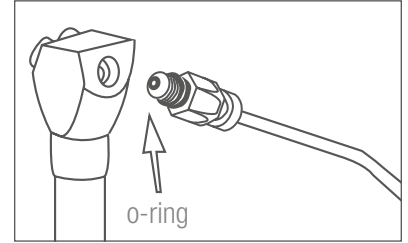
The “D” (Dental-Ez) syringes are usually easily recognisable as they are marked with the logo of the company.



1. Unscrew and remove existing nut and tip.

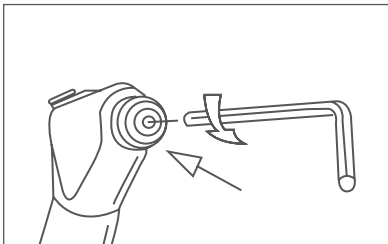


2. If syringe is the newer model (after March 1997) that uses A-dec style removable tips then remove second o-ring from tip adapter assembly.

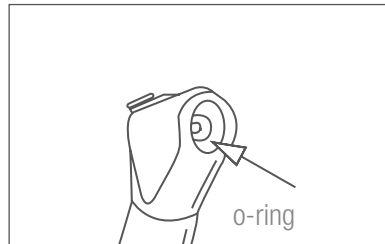


3. Verify that small o-ring is in the end of tip-adapter assembly. Screw assembly into syringe and finger tighten. Remove tip.

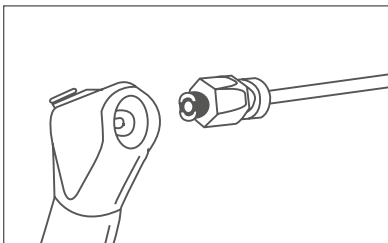
**PE 77024/P Adapter for DCI standard «Press Ring» syringes (must be used if the syringe was previously modified with another adapter)**



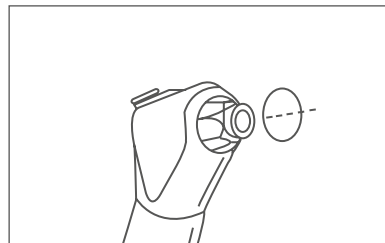
1. Remove metal tip. Using wrench, unscrew and remove tip release mechanism.



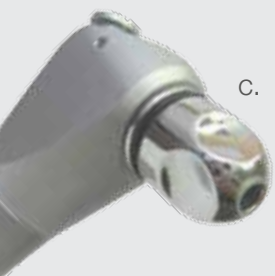
2. Verify that small o-ring is positioned inside the syringe at the back of the threaded opening. If not, use o-ring enclosed as replacement.



3. Screw tip adapter assembly into syringe. Tighten firmly.



4. Use large o-ring to fill circular gap around tip adapter assembly. Push o-ring down until flush with edge of syringe. Installation complete.



c.

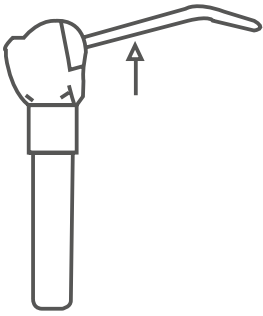
If the syringe has a tip insertion fitting like the picture c., you need the Seal-Tight Adapter 77024 STANDARD “P”– Press Ring Style:

This adapter, like the “A”, must be screwed into the syringe. This must be used once the syringe has been converted to Sani-Tip or Pro-Tip, since the original Press Ring mechanism is usually unavailable. The key to recognising if the syringe is a Press Ring Style is if once the fitting is removed, the size of the hole in the face of the syringe is the diameter of a dime or approximately 1.74cm in diameter.

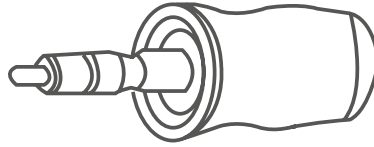
(Includes: KaVo, Pelton & Crane, Belmont, Biotec, DCI, Dentech, Marus, Planmeca, Proma)

**PE 77025/P Adapter for Quick Connect «Press Ring» syringes  
(can be used only if original press ring mechanism is intact)**

**NOTE:** Do not remove yellow plastic ring.



1. Remove tip from original syringe.



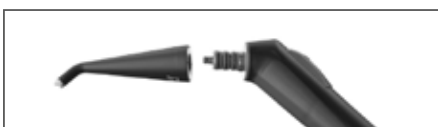
2. Press syringe outer metal ring and insert adapter. Ring will release when properly placed. Verify by tugging on adapter.



d. If syringe has a tip insertion fitting like picture d., you need Seal-Tight Adapter 77025 QUICK CONNECT “P”– Press Ring Style:

This is to be used on any Press Ring Style syringe that has not previously been converted in any way, and that has the original Press Ring mechanism still intact.

**PE 77026/K Adapter for KaVo air-water syringe 773.0500/773.0510**



1. Pull the original tip off.



2. Identify Seal-Tight adapter parts.



3. Push adapter body into syringe.



4. Using Allen Key, tighten set screw to fix adapter body in place.



5. Insert disposable tip into adapter body. Ensure that tip properly engages the water tube.

**PE 77030/S Adapter Snap-on for Sirona air-water syringe  
Sprayvit L**



1. Pull original tip off.



2. Snap on adapter body into syringe.



3. Insert disposable tip into adapter body with twisting motion and push in firmly. Verify tip is secure by tugging on it.



## PE 77027/L Adapter for Luzzani air-water syringe MINI Light

**NOTE:** Showing both straight and angled tips.



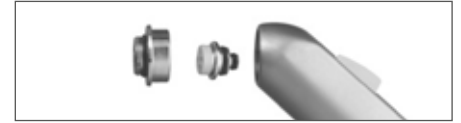
1. Unscrew original tip nut and remove tip.



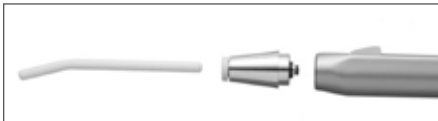
2. Using Allen Key, unscrew retaining nut.



3. Remove the insert with grey o-ring from head of syringe.



4. Identify Seal-Tight adapter parts.



5. Screw adapter body into syringe while depressing the air and water buttons.  
Note: if adapter insert has separated from adapter, push insert into syringe head then screw adapter body onto syringe.



6. Insert disposable tip into adapter body. Ensure that the tip properly engages the water tube.



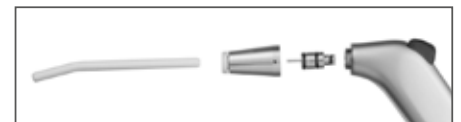
## PE 77028/S Adapter for Sirona air-water syringe Sprayvit 4000



1. Pull original tip off.



2. Unscrew retaining nut.



3. Identify Seal-Tight adapter parts.



4. Push the water tube assembly into the syringe making sure that it is completely inserted.

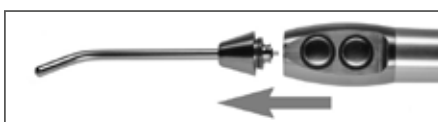


5. Screw adapter body onto syringe.



6. Insert disposable tip into adapter body. Ensure that tip properly engages the water tube.

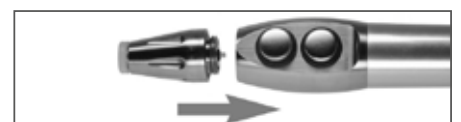
## PE 77034/K Adapter for KaVo air-water syringe E30 (3-Way Hand piece One)



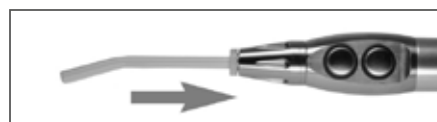
1. Pull original tip off.



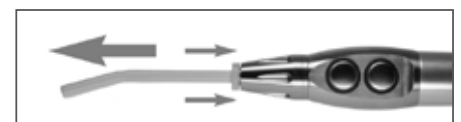
2. Identify Seal-Tight adapter parts.



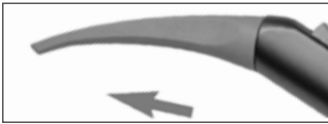
3. Snap on adapter body into syringe.



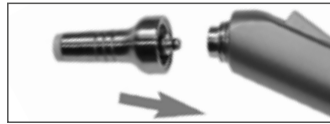
4. Insert disposable tip into adapter body with twisting motion and push in firmly. Verify tip is secure by tugging on it.



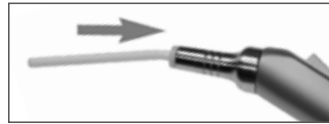
## PE 77033/C Adapter Snap-on for Cefla/Anthos (before 2013) /new Castellini/Stern Webber air-water syringe



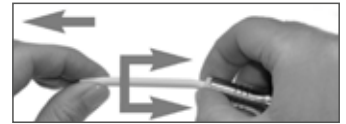
1. Pull original tip off.



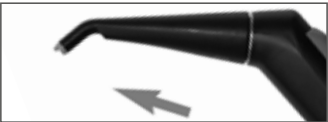
2. Snap on adapter body onto syringe.



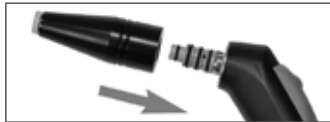
3. Insert disposable tip into adapter body with twisting motion and push in firmly. Verify tip is secure by tugging on it.



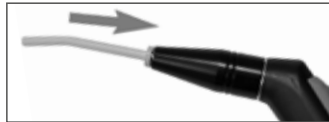
## PE 77031/K Adapter Snap-on for KaVo air-water syringe 773.000 L



1. Pull original tip off.



2. Snap on adapter body into syringe.



3. Insert disposable tip into adapter body with twisting motion and push in firmly. Verify tip is secure by tugging on it.



PART #	Seal-Tight Adapter**
PE77026/K	Adapter for KaVo air-water syringe 773.0500/773.0510
PE77031/K	Adapter Snap-on for KaVo air-water syringe 773.000 L
PE77034/K	Adapter for KaVo air-water syringe E30 (3-Way Hand piece One)
PE77021/A	Adapter for «Adec» syringes
PE77022/M	Adapter for «Engle/Marco» syringes
PE77023/D	Adapter for «Dental-Ez» syringes (all syringes manufactured after Jan 1997 use 77021)
PE77024/P	Adapter for DCI Standard «Press Ring» syringes (must be used if the syringe was previously modified with another adapter)
PE77025/P	Adapter for Quick Connect «Press Ring» syringes (can be used only if original press ring mechanism is intact)
PE77027/L	Adapter for Luzzani air-water syringe MINI Light
PE77028/S	Adapter for Sirona air-water syringe Sprayvit 4000
PE77033/C	Adapter Snap-on for Cefla/Anthos (before 2013)/new Castellini/Stern Webber air-water syringe
PE77030/S	Adapter Snap-on for Sirona air-water syringe Sprayvit L

PART #	Seal-Tight Air-water Syringe Tips*
PE77200	Dispenser pouch of 200 tips, white colour
PE72200	SPECTRUM Dispenser pouch of 200 tips, assorted colours

\*Tips: Indicated for single use only.

\*\*Adapters: indicated for multiple use. Autoclavable at 134°C, at least 3 min.

Only Seal-Tight Tips should be inserted into the Seal-Tight Adapters to avoid damage to the adapter.

Before using the syringe, tug on the tip and press air button a few times to verify that the tip is secure. Tips are clean (not sterile) and for single use only. If locking ring is in any way damaged or the tip is not secure when tugged, change the adapter. Please contact your supplier for a replacement.