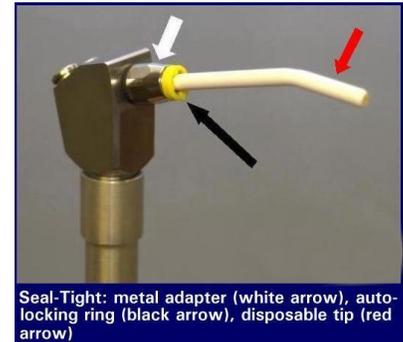


65-29 Seal Tight Disposable Air/Water Syringe Tip System (Project 01-53) (4/02)

The Seal Tight Disposable Air/Water Syringe Tip System consists of a disposable, plastic air/water syringe tip and a dental unit-specific metal adapter. A 5/32-inch Allen wrench supplied with each adapter is used for removing the unit's existing syringe receptacle so that the Seal Tight adapter can be installed. The adapter contains a unique, plastic, yellow auto-locking ring in its distal end that is designed to allow the tip to be easily inserted and removed without requiring adjustment of the thumbnut. All that is required is to depress the auto-locking ring for tip insertion and removal. The manufacturer claims that the pre-bent plastic tip can be further bent or curved up to 90 degrees for improved intraoral access without impeding the flow of water or air. The manufacturer also claims that the tip provides on-demand dry air because its inner seal functions as an O-ring. The tips are designed to enhance infection control due to their disposability. The manufacturer makes four different types of metal adapters to fit DentalEZ, Engle-Marco, Press Ring, A-dec, and A-dec style dental units. The adapters are supplied free to customers with each order and are also replaced if they become damaged or defective. Potential customers must specify the type/brand of dental unit and 3-way syringe system they are using to insure they receive the correct adapter kit.



Seal-Tight: metal adapter (white arrow), auto-locking ring (black arrow), disposable tip (red arrow)



arrow indicates rubber o-ring seal

Manufacturer:

Pinnacle Products, Inc.
 21401 Hemlock Ave
 Lakeville, MN 55044-8489
 (800) 878-3902
 (952) 469-5482 FAX
www.kerrdental.com/pinnacle

Prices:

Amount of Product	Retail	Government
Bag of 200	\$34.00	\$24.48
Bag of 1500	\$225.00	\$157.50
Bag of 3000	\$450.00	\$270.00

ADVANTAGES:

- + Tips are well-designed and constructed of high-quality plastic.
- + Easy to use.
- + Instructions are concise, and easy to read and follow.
- + Adapters are supplied at no charge with purchase and defective adaptors are replaced at no charge.
- + Adapters are pre-assembled and easy to install with the included Allen wrench; no thumbnut adjustment is required.
- + Yellow, auto-locking ring allows quick and easy insertion and/or removal of syringe tips.
- + Tips swivel 360 degrees and the auto-locking ring prevents rotational slippage.
- + Contour of tip allows for good visualization of intraoral area.
- + Tips can be bent up to 90 degrees without negatively affecting function.
- + Disposability enhances infection control.
- + Seal Tight is the least expensive of three popular brands of disposable tips.

DISADVANTAGES:

- In some situations, adapters may not function properly and will allow water contamination during air delivery.
- On older models, auto-locking ring was reported to dislodge.
- Not adequately radiopaque.
- Adapters are presently available only for certain brands of dental units/three-way syringes.

SUMMARY AND CONCLUSIONS:

In general, clinical users were pleased with the performance of the Seal-Tight Tips. They reported that the instructions were easy to read and follow, and that the tip's contour allowed for good intraoral visualization. Also, the tip was easy to swivel and could be bent to a 90-degree angle without adversely affecting its function. The adapter was easy to install and made it simple to insert and remove tips without requiring thumbnut adjustment. A majority of the users rated the Seal-Tight as "Good" or "Excellent." The system is not without some shortcomings, however. The tip is not radiopaque, which would make it difficult to locate radiographically if it were accidentally ingested or aspirated. In addition, a minority of users reported that the tip did not provide dry air as claimed. DIS testing indicated that this was due to a faulty adapter, which the manufacturer quickly replaced under the product warranty. The **Seal Tight Air/Water Syringe Tip System** is rated **Acceptable** for use by the federal dental services.