

## 56-18 A-dec Radius 2122 Unit and Radius 7285 Assistant's Instrumentation (Project 98-06) (6/98)

The A-dec Radius 2122 Front Hub-Mounted Dental Unit comes standard with: the controller and hoses for three handpieces; an autoclavable three-way syringe; handpiece foot control; instrument tray and pad; the connecting umbilical; and floor box with air and water filters, pressure regulators, and shut-off valves. Popular options include: handpiece fiberoptics, unit-mounted chair function touch pad, separate water system (SWS), and control arm mounted air brake. The radius mount allows for active left- to right-hand conversion without tools. The Radius 7285 Rear Hub-Mounted Assistant's Instrumentation with Cuspidor features a vitreous china bowl with timed cup filler and regulated rinse flow. Both the cup filler spout and the water flush spout are easily removed for cleaning. The assistant's instrumentation features an autoclavable three-way syringe, autoclavable saliva ejector, autoclavable quick-disconnect high volume evacuator, solids collector, chair touch pad, and a water quick-disconnect with flow control (for scaler connection). The unit can be configured for either 110 or 220 volts and is UL listed, CSA certified, and ADA accepted.



### Manufacturer:

A-dec  
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Newberg, OR 97132  
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(503) 538-0276 FAX

### Suggested Retail Prices:

Radius 2122 Traditional-Style Delivery System \$5380.00  
Touch Pad \$285.00  
Handle with Air Brake \$100.00  
Two-Position Fiberoptics System and Hoses \$674.00  
Radius 7285 Assistant's Instrumentation and Touch Pad with Cuspidor \$2150.00

### Government Prices:

Radius 2122 Traditional-Style Delivery System \$2932.00  
Touch Pad \$155.00  
Handle with Air Brake \$55.00  
Two-Position Fiberoptics System and Hoses \$367.00  
Radius 7285 Assistant's Instrumentation and Touch Pad with Cuspidor \$1171.00

### ADVANTAGES:

- + Presents a less cluttered, more open appearance to the operatory.
- + Front and rear hubs utilize radius needle bearings for smooth operation.
- + Uniform weight distribution provides stability in all operating positions.
- + Vacuum cut-off makes it easy to remove the solids trap.
- + Provides increased flexibility for positioning and comfort.
- + Written protocol is provided for separate water system.
- + Flush valve allows user to flush one or all handpieces.

- + Converts easily from left- or right-hand delivery.
- + Has compensated control arm for drift-free placement with air lock.
- + Dual intensity-level fiberoptic system is designed to increase bulb life and reduce heat buildup in the handpiece hose coupler.
- + Cleanable exhaust air/oil trap.
- + Good documentation with diagrams covering setup, maintenance, and operation.
- + UL listed, CSA certified, and ADA accepted.

**DISADVANTAGES:**

- The complete integrated delivery system (chair/unit/light) is not UL listed or CSA certified.
- Requires technician for left- to right-hand conversion of the air brake and touch pad control.
- Manufacturer-supplied tools are required for adjustments to air and water.
- Difficult to adjust air and water when control head is barrier protected.

**SUMMARY AND CONCLUSIONS:**

The A-dec Radius 2122 Unit and Rear Hub-Mounted Assistant's Instrumentation met or exceeded the requirements of the DIS Dental Treatment Unit Checklist. Although the system swings from left- to right-hand use rather simply and easily for temporary use, a technician and tools are required for a permanent change. Compared to post/box-mounted systems, the Radius system offers improved ergonomic design, is easier to clean, offers greater positioning flexibility, and provides a less cluttered operator. The Radius platform-based system is more stable than traditional post-mounted systems due to a more even weight distribution. The Radius 7285 Cuspidor with its vitreous china bowl and removable spouts is easy to clean and maintain. The placement of air/water adjustments on the side of the control head are difficult to access when the control head is barrier protected. All clinical evaluators rated the Radius 2122 Unit and Assistant's Instrumentation as "Excellent." The **A-dec Radius 2122 Unit and Radius 7285 Rear Hub-Mounted Assistant's Instrumentation** is rated **Acceptable** for use by the federal dental services.