

## Why Purchase a Dental Disinfector . . . Instead of an Ultrasonic System?

### **Delivers a High Level Clean**

The G7881 Dental Disinfector takes cleaning effectiveness to a higher level than most automated cleaning systems by providing maximum capacity while delivering high level disinfection that exceeds OSHA standards for microbial contamination reduction of 99.99%.

### **Delivers a Validated Clean**

The G7881 is an automated process, which delivers a validated clean. Every time you turn the Disinfection Vario program on, the machine cleans the same way – time after time after time. The cleaning is not subject to user error.

### **Minimization of Sharps Incidents**

With an ultrasonic system, the dental assistant/hygienist must place the dirty instruments into the unit and handle them again once cleaned, to rinse and place into cassettes and wrapped for sterilization. The Dental Disinfector eliminates those steps. Instruments are loaded back in cassettes for cleaning, disinfecting, rinsing and drying then just uploaded to the Sterilizer. Minimal workload; minimal handling.

### **Increase Staff and Patient Safety**

The Miele G 7881 is a 510K cleared device providing high level disinfection. Not only is your staff safer from less handling/sharps incidents, but safer because upon completion of the Disinfection Vario Cycle, the instruments are “properly cleaned and disinfected” for handling safety. An improperly cleaned instrument with debris can impede sterilization. The washer disinfector’s rigid cleaning program assures no debris is left on the surface of an instrument.

### **Streamline Instrument Reprocessing**

Although many dental practices use ultrasonic units as the primary method for cleaning instruments prior to sterilization, instrument washers are being installed in more schools, clinics, and practice settings because these units substantially streamline the instrument-cleaning process.

### **Higher Capacity**

Unlike other automated processing systems, the G 7881 provides a two-level chamber to accommodate both inserts and mesh trays. This, in turn, will hold a combination of cassettes as well as a variety of hinged instruments. The result is a practice that is able to perform more procedures and a staff able to process more cassettes on a daily basis, thus increasing productivity.

## The Importance of Cleaning

### Why Should a Dental Practice Care About Clean?

1. Government Regulations
2. Hygiene and Staff Safety
3. The Right Thing to Do
4. Aesthetics
5. Necessary Step Prior to Sterilization
  - You cannot sterilize an item that is not clean

### What is “Clean”?

Definition of “Clean” from Merriam-Webster’s Dictionary

1. “free from dirt or pollution”
2. “free from contamination or disease”

### What Makes for Effective Cleaning?

#### Cleaning (MCTT)

1. Mechanical Action
2. Chemical Action
3. Time
4. Temperature

#### Mechanical Action

1. High circulation rate (minimal water usage)
2. Cleaning effect from spray arms
3. Integral part of Cleaning

#### Chemical Action

1. Blood and pathogens must be removed with an appropriate detergent
2. Incorrect detergents may:
  - Ruin Instruments
  - Not remove blood
  - Not be cost effective

#### Time

1. Water is the universal solvent, given enough time
2. You need the right amount of time
  - Pre-wash debris and blood
  - Wash with detergent
  - Rinse off Instruments

#### Temperature

1. Critical to success
2. Blood “sets” at high temperatures
3. Detergents work best at higher temperatures
4. Different process stages respond best to different temperatures
  - Start cold for pre-rinsing
  - Warm for washing
  - Hot for Disinfection