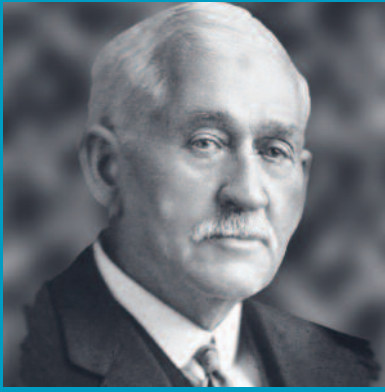




Professional Instruments



ENT
Instruments



Allen DeVilbiss, M.D.

In 1888, he founded DeVilbiss Manufacturing

Allen DeVilbiss was a country doctor with simple values. The kind of doctor who tried to make life easier for the folks he treated by finding better ways to care for them. Such was the case more than a century ago when he developed the first DeVilbiss atomizer, which made it possible to spray medication in a patient's nose and throat and eliminated the necessity for unpleasant and inefficient swabbing.

While the new atomizer was an instant success, the market at that time seemed to be limited, and Dr. DeVilbiss could not find anyone who would manufacture the device. As a result, he formed an individual proprietorship known as The DeVilbiss Manufacturing Company, in Toledo, Ohio to make the atomizer. Soon he perfected and patented an adjustable tip to control the spray, which increased its usefulness tremendously.

The DeVilbiss Model 15 atomizer, one of the first models manufactured in the new company, is still made today by DeVilbiss Healthcare in Somerset, Pennsylvania.

DeVilbiss Atomizers



The Model 15 Atomizer offers one of our most consistent sprays for aqueous or viscous solutions. The adjustable tip helps direct the fine spray precisely where needed, and the all-metal top is autoclavable.

Model 15-RD

- Metal atomizer with adjustable tip for directing spray up or down to reach inaccessible areas of the throat
- Can be used with or without nasal guard
- Used for nose and throat treatment — hand bulb
- Basically, all types of oil or water solutions can be used that are compatible with nickel plating
- Used in colleges and laboratories for experimental testing.
- Metal banded tubes and spray tips (sold separately) are used by research laboratories



This 1.4-ounce capacity atomizer produces a fine mist that is ideal for nose and throat treatments, decubitus ulcer care, and wound cleansing.

Model 151

- A vacuum or venturi type atomizer that can be operated by one of the following: compressed air, a No. 1 hand bulb or the No. 630 cut-off assembly
- Designed for use with aqueous solutions
- Precise control and application of topical anesthetics
- All types of oil or water solutions can be used that are compatible with rhodium and nickel plating
- Produces fine mist without force
- Small tube may be inserted well into nasal passages
- Removable spray tube for ease in sterilization
- Top consists of all metal construction
- Used in decubitus ulcer treatments, debridement of wounds, and wound cleansing
- Use by E.N.T. doctors, research laboratories, veterinarians, burn centers, wound care facilities, emergency rooms



The Model 286-RD Atomizer is designed especially for applying a very fine mist to nasal and oral cavities and for administering an oral vaccine.

Model 286-RD

- Ultra-fine particle atomization of most medical solutions
- Straight flow tip is easily disassembled for cleaning
- Suitable for applying fine, medicated spray to nasal and oral cavities, or oral vaccines
- May be used with compressed air, the No. 1 bulb or Model 630 bleeder-type cut-off
- Constructed of polypropylene material for spraying solutions incompatible with metal
- Popular with treatment of animals and veterinary clinics and is used for testing in laboratory research
- Used by E.N.T. doctors, research laboratories, veterinarians, burn centers, wound care facilities, emergency rooms



Adjustable Metal Tip



The Model 163 Atomizer offers one of our most consistent sprays for aqueous or viscous solutions. The adjustable tip helps direct the fine spray precisely where needed, and the all-metal top is autoclavable.

Model 163

- Designed for quick change and replacement of spray tube
- Tight-fitting "O" ring ensures consistent spray
- Metal spray tube may be sterilized after each use
- All types of oil or water solutions can be used that are compatible with rhodium and nickel plating
- Adjustable tip permits up or down spray for aqueous solutions of heavier viscosity
- May be operated by a No. 630 cut-off assembly or a No. 1 bulb
- Used for decubitus ulcer treatments, debridement of wounds, and wound cleansing
- Used by E.N.T. doctors, research laboratories, veterinarians, burn centers, wound care facilities, emergency rooms

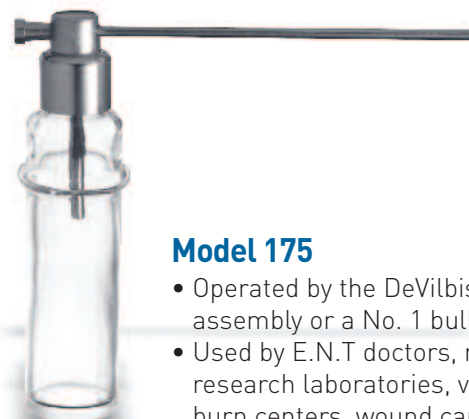
DeVilbiss Powder Blowers



General purpose insufflator can be used for decubitus ulcer treatments, debridement of wounds, and wound cleansing.

Model 119

- Ideal for applying an even diffusion of any powder to nose, throat, ear, tooth sockets, body orifice, and surfaces
- Curved spray tube for ease and convenience of applications
- Used by E.N.T. doctors, medical doctors, research laboratories, veterinarians, burn centers, wound care facilities, emergency rooms



Model 175

- Operated by the DeVilbiss 630 cut-off assembly or a No. 1 bulb
- Used by E.N.T. doctors, medical doctors, research laboratories, veterinarians, burn centers, wound care facilities, emergency rooms

DeVilbiss Nebulizers



Model 45 hand-held spray nebulizer delivers aerosol particles of uniformly consistent density deep into the lungs. The break-resistant nebulizer easily disassembles for sterilization.

Model 45

- Used for treatment of asthmatic patients
- Designed for comfortable administration of fine mists of uniform density to reach deep into lung cavity
- Converts liquid (i.e. antibiotic, oil extracts, etc.) into aerosol
- Used in respirator and mask test fit kits and bulk shipped as item 4510
- Break-resistant nebulizer that easily disassembles for sterilization by using one of the following methods: autoclaving, boiling or cold sterilization
- Lexan® plastic nebulizer may be used with or without mouthpiece (#25-31)
- Complete with mouthpiece, extra jet, and bulb
- MMAD 5 microns
- 5cc capacity
- Used by research laboratories



The Model 646 Nebulizer converts liquid into aerosol via high velocity, compressed air stream. Used in conjunction with a DeVilbiss brand compressor, it delivers consistent aerosol particles to the lungs of COPD patients.

Model 646

- Used with a DeVilbiss brand compressor for treatment of asthmatic patients
- Designed for comfortable administration of fine mists of uniform density to reach deep into lung capacity
- Unique "T" piece allows the patient to leave nebulizer in mouth while exhaling
- Attaches to aerosol face mask or face tent and can be hand operated or compressed air driven with a DeVilbiss brand compressor
- Break-resistant nebulizer that easily disassembles for sterilization by using one of the following methods: autoclaving, boiling or cold sterilization
- Lexan® plastic nebulizer may be used with or without mouthpiece (#25-31)
- MMAD 5 microns
- 5cc capacity
- Comes complete with tubing, activator valve, mouth piece, and extra jet

® Lexan Plastic is a registered trademark of G.E. Plastics



Operated by hand bulb or compressed air, the Model 180 Nebulizer is especially practical for administering vaporized medication to sensitive nasal passages.

Model 180

- Very practical nebulizer for use where vapor instead of spray is indicated for treatment of sensitive nasal cases
- Specially suited for solution with oil or glycerin base medications
- Good for deep-seated conditions of lower respiratory tract or very sensitive nasal tract
- All types of oil or water solutions can be used that are compatible with rhodium and nickel plating
- Vented nasal guard restricts development of undesirable pressure and small and large plain guard are provided for inflation purposes
- Used by E.N.T. doctors, research laboratories, veterinarians



ENT HandiPak™ Kit (Model 7200D)

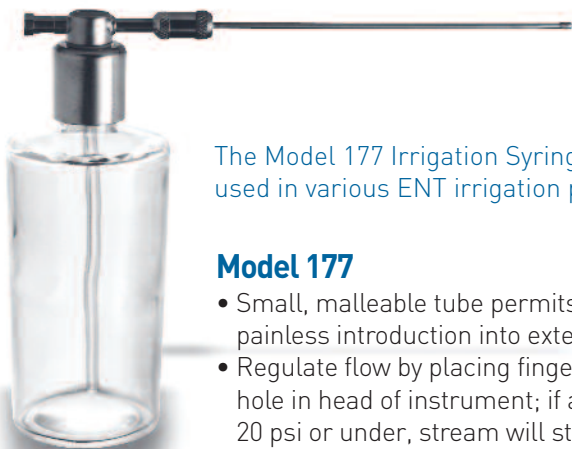
- Includes Model 3655D DeVilbiss Pulmo-Aide Compact® compressor/nebulizer, Model 151, 163, and 286-RD Atomizers, Model 175 Powder Blower, Model 177 Syringe, and Model 630 Bleeder-Type Cut-Off with tubing, along with a portable and easy-to-carry canvas bag
- Offers ease in ear, nose, and throat treatments at satellite offices, clinics, hospitals, nursing homes
 - Easily cleaned or cold sterilized by using a disinfectant (i.e. CIDEX®, Chlorox®, Blue Chip®, Vani-Sol®), autoclaving, or any recommended institutional cleaning solution.
 - ENT HandiPak Kit is a low-cost alternative for office expansions and product upgrades



Model 624

A convenient holder for DeVilbiss Professional Instruments. Hand-made Walnut Wood 4-Hole Rack for office use or with the portable E.N.T. HandiPak™ Kit

DeVilbiss Irrigation Syringe



The Model 177 Irrigation Syringe is efficiently used in various ENT irrigation procedures.

Model 177

- Small, malleable tube permits deep, yet painless introduction into external ear canal
- Regulate flow by placing finger over small hole in head of instrument; if air pressure is 20 psi or under, stream will stop when finger is removed
- Used by E.N.T. doctors, medical doctors, research laboratories, veterinarians
- Can be operated by the No. 630 or a No. 1 bulb

Model 630 —Bleeder-Type Cut-Off Assembly

Includes five feet of translucent surgical tubing and provides a convenient method for operating many DeVilbiss instruments. Designed for use with DeVilbiss air compressors. Placing thumb over bleeder hole introduces compressed air into instrument.



Pulmo-Aide Compact Compressor/Nebulizer



Specifications

DeVilbiss Pulmo-Aide® Compact

Compressor/Nebulizer Specifications

Size	7.5"W x 4"H x 7.2"D (19.1 cm x 10.2 cm x 18.3 cm)
Weight	4.8 lbs (2.18 kg) (base unit)
Operating Voltage	115VAC, 60 Hz, 2.5 A
Power Consumption	140 watts (maximum)
Max. Compressor Pressure	35 psig* or greater (241KPA)
Max. Compressor Liter Flow	8 lpm* or greater
Warranty	5 years limited

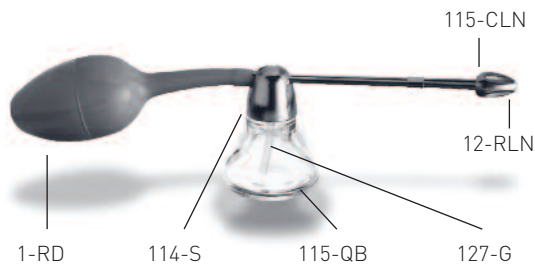
Nebulizers

Operating Pressure	9-13 psig
Liter Flow	5-8 lpm
Capacity	up to 6 ml (cc)
Nebulization Rate	0.15-0.35 ml/minute
MMAD	5 microns

Atomizers

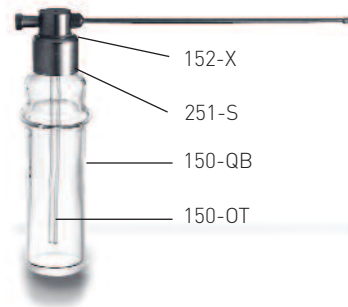
Operating Pressure	
Model 151	18 psig*
Model 163	10.5-11.0 psig*
Model 286-RD	11-16 psig*
Liter Flow	
Model 151	7 lpm*
Model 163	8 lpm*
Model 286-RD	5-7 lpm*
Atomization Rate	
Model 151	13 ml/min. or greater
Model 163	21 ml/min. or greater
Model 286-RD*	10 ml/min. or greater

DeVilbiss ENT Accessories



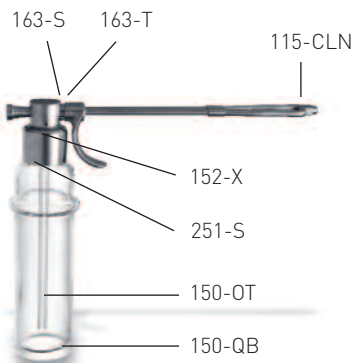
Model 15-RD

1-RD	Bulb for atomizer model 15-RD, 1-RD
114-S	Washer for atomizer models 15-RD, 119, 177
115-QB	Bottle for models 15, 119, 177
127-G	Outlet Tube for models 15, 119
12-RLN	Nasal Guard
115-CLN	Adjustable Spray Tip for models 15, 163



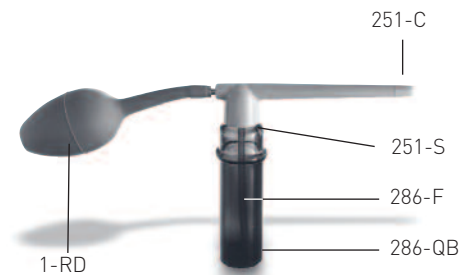
Model 151

150-QB	Bottle for models 151, 163, 175, 180
150-OT	Outlet Tube for models 151, 163
152-X	Washer. White Teflon for models 151, 163, 175, 177, 180
251-S	Black Washer for 151, 163, 175, 180, 286-RD



Model 163

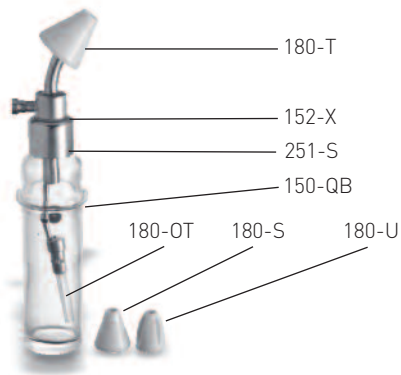
115-CLN	Adjustable Spray Tip for models 15-RD, 163
152-X	Washer of white Teflon for models 151, 163, 175, 177, 180
150-OT	Outlet Tube for models 151, 163
150-QB	Bottle for models 151, 163, 175, 180
163-T	Large gray washer 2-9 size
163-S	Small gray washer 2-6 size
12-RLN	Nasal Guard (not pictured see 15-RD)
251-S	Black Washer for 151, 163, 175, 180, 286-RD



Model 286-RD

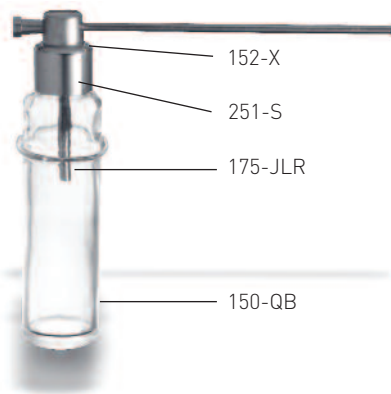
286-F	Outlet Tube
286-QB	Amber Bottle for models 286-RD
251-C	Spray Tip for models 286-RD
251-S	Black Washer for 151, 163, 175, 180, 286-RD
1-RD	Bulb not included





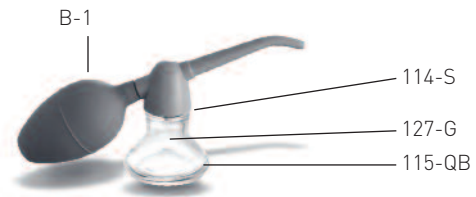
Model 180

150-QB	Bottle for models 151, 163, 175, 180
152-X	Washer. White Teflon for models 151, 163, 175, 177, 180
180-S	Small Plan Nasal Guard
180-T	Large Plain Guard
180-U	Vented Guard
180-OT	Outlet Tube
251-S	Black Washer for 151, 163, 175, 180, 286-RD



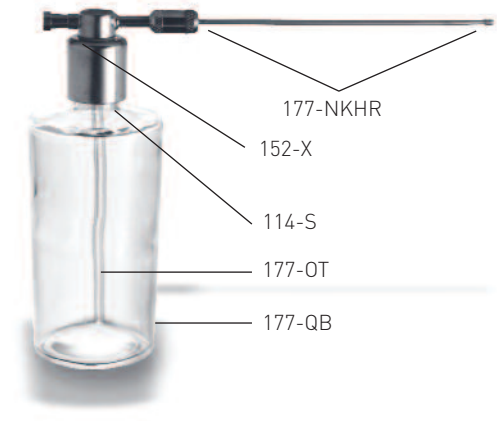
Model 175

150-QB	Bottle for models 151, 163, 175, 180
175-JLR	Outlet Tube
152-X	Washer. White Teflon for models 151, 163, 175, 177, 180
251-S	Black Washer for 151, 163, 175, 180, 286-RD



Model 119

B-1	Bulb for model 119
114-S	Washer for atomizer models 15-RD, 119, 177
115-QB	Bottle for models 15-RD, 114, 119
127-G	Inlet Tube for replacement, order No. 127-G and cut to correct length



Model 177

177-NKHR	Spray Tip Assembly
177-OT	Outlet Tube
177-QB	6-oz. Bottle
152-X	Washer. White Teflon for models 151, 163, 175, 177, 180
114-S	Large Black Washer 15-RD, 119, 177



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