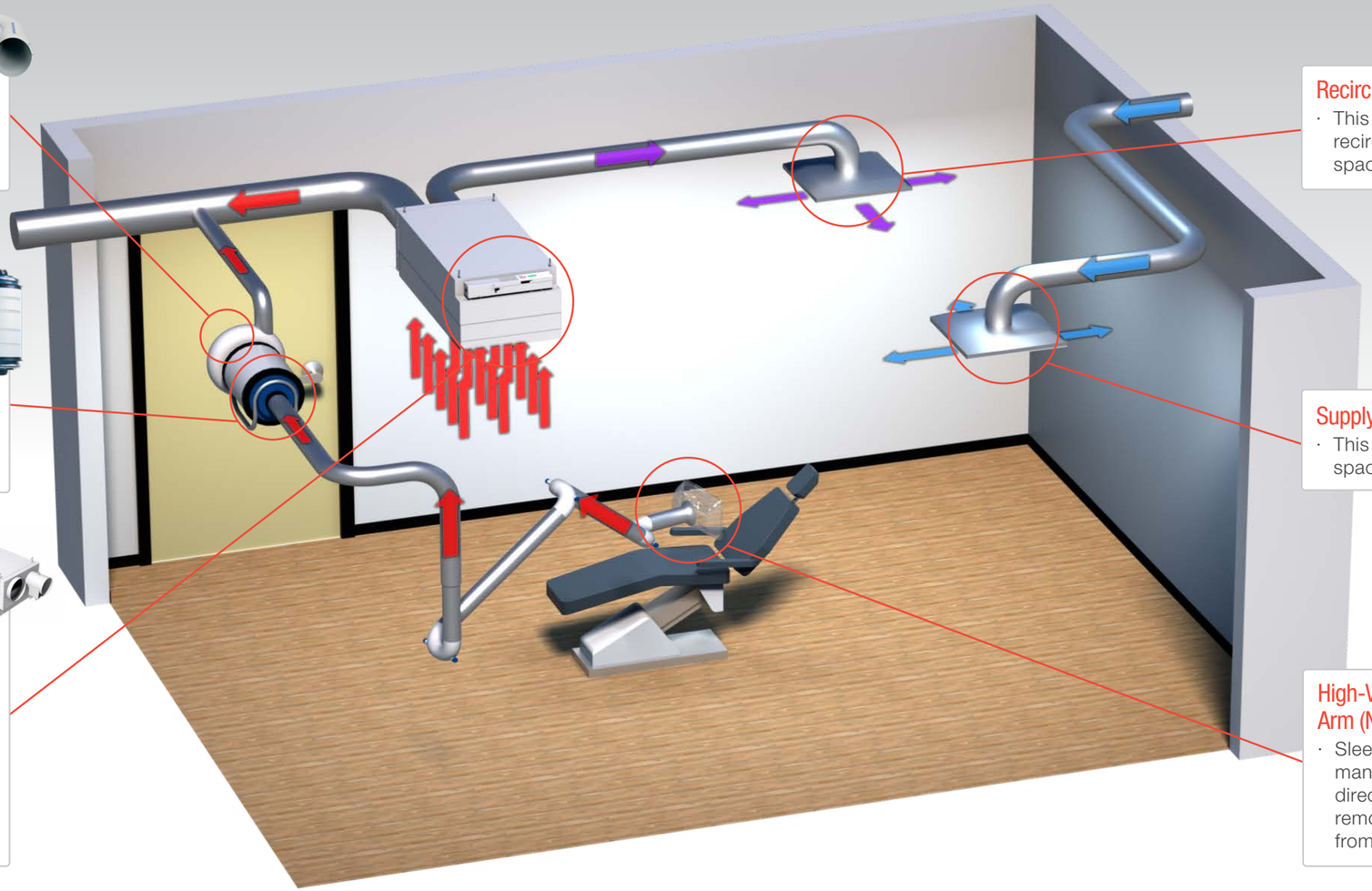
AEROSOL GENERATING DENTAL PROCEDURE ROOMS – RETROFIT



Extraction Fan (Nederman N-Series)

- The extraction fan provides the suction needed to exhaust air through the extraction arm and modular HEPA filter.

Modular HEPA Filter System (Nederman MFS)

- The modular filter system removes contaminants before exhausting air to the outside. Replacement filters are self-contained to prevent exposure to the filter media.

Combination Exhaust and Recirculating Fan Filter Unit (Price FFU)

- The fan filter unit removes air from the room, passes it through a HEPA filter to remove harmful contaminants, then recirculates a portion of the airflow to the room and exhausts the remainder. Recirculating airflow increases the air change rate while keeping energy consumption low.

Recirculating Diffuser (Price SMD)

- This diffuser supplies HEPA filtered, recirculated air from the FFU to the space.

Supply Diffuser (Price SMD)

- This diffuser provides fresh air to the space.

High-Volume Extraction Arm (Nederman FX2)

- Sleek and discreet, this easy to maneuver device can be placed directly at the patients head, removing aerosols and contaminants from the room directly at the source.

Retrofit Your Dental Operatory to Minimize the Impact of Covid-19

To help reduce the spread of COVID-19 in Canada, the CDC and provincial guidelines suggest operatories in which aerosol-generating procedures take place allow “fallow time” between procedures. Fallow time allows the operatory to be cleared of aerosols between patients. In addition to fallow time, extraction of aerosolized contaminants directly at the source can help protect dentists and hygienists from exposure to any aerosols generated during dental procedures.

The retrofit solution from EH Price makes use of engineering controls including high-volume extraction, HEPA filtration, and recirculated room air to minimize fallow time while maximizing contamination control and system efficiency.

e.h.price

Nederman

price CRITICAL ENVIRONMENTS

v001

Required Equipment

The retrofit solution for aerosol-generating dental procedure rooms shown on the previous page requires the following equipment.

New Equipment

Combination Exhaust and Recirculating Fan Filter Unit (Price FFU)

Exhaust 50 cfm. Recirculate 400 cfm*.*

FFU-1-x/S/I/EXHAUST/24/48/EX-RC/RSR/HEPA/FC/ECM/115/CF/RMB/BACnet/BFC/DSW-115//ASSP////PL-AL/F-AL/PL-B12/F-B12

Recirculating Diffuser (Price SMD)

Recirculates 400 cfm from FFU.*

SMD//I/18/18/36/3A/24/24/SR/12//B12

High-Volume Extraction Arm (Nederman FX2)

Exhaust 150 cfm.*

Modular HEPA Filter System (Nederman MFS)

Extraction Fan (Nedeman N-Series)

Optional Accessories

Intake Hood (Nederman FX-HOOD)

For further details and other related products contact your local E.H. Price representative at **www.ehpricesales.com**

**all airflows based on 12ACH in a 15x20 ft. room with 10 ft. ceiling*

Room Requirements

Fallow time is determined by the number of air changes per hour (ACH) in the space and the time required to achieve 99.9% removal of airborne contaminants.

Increasing from 4ACH to 12ACH reduces the fallow time between patients from 104 minutes to 35 minutes, providing the practice with 66% more time for dental procedures. Additionally, extraction of contaminants directly at the source before they are able to become airborne provides a level of protection for dental staff, reducing their risk of infection.

Standard Room

Air changes per hour	4 ACH
Required Airflow	200 cfm*
Time required for 99.9% removal or settling of aerosols	104 minutes

Retrofit Room

Air changes per hour	12 ACH
Required Airflow	600 cfm*
Time required for 99.9% removal or settling of aerosols	35 minutes