

Chloraguard®

BY DECTRON

GAS-PHASE FILTRATION FOR INDOOR POOL AIR PURIFICATION



Dectron, the manufacturer of DRY-O-TRON®, North America's leading indoor pool dehumidifiers, introduces its latest development, the CHLORAGUARD® gas-phase filter* for indoor pool air quality.

A DECTRON INNOVATION

Dectron's ISO-Certified R&D laboratory has developed the CHLORAGUARD® gas-phase filter, which is designed to remove airborne Chloramines (combined chlorine) generated in swimming pools.

Swimmers can generate up to one pint per hour of perspiration while active in the pool. The Ammonia and Nitrogen Compounds emitted as a result combine with the Chlorine in the pool water to form Chloramines⁽¹⁾. Chloramines usually accumulate at the pool water surface, thus exposing the swimmers particularly to risk, since their breathing zone is also at the same level.

The CHLORAGUARD® filter incorporates the latest filtration technology, with a proprietary formulated chemical media blend that has been specifically engineered for optimum removal efficiencies when exposed to warm, humid air conditions.

CHLORAGUARD® — FOR NEW & EXISTING DRY-O-TRON® DEHUMIDIFIERS

The CHLORAGUARD® filter is designed for easy mounting into Dectron's industry leading DRY-O-TRON® dehumidifiers. It can be specified as an option on all new units, or easily retrofitted to existing units.

WHY DECTRON?

Established over 28 years ago, Dectron is recognized as one of the pioneers of the air treatment industry, and a worldwide recognized leader and inventor in the advanced technologies of gas-phase filtration. Dectron's MULTI-MIX® filter media and integrated systems reduce the odor and corrosion potential of commercial and institutional environments.

Dectron's in-house ISO-certified laboratory and team of experienced engineers offer a systematic, integrated approach to solving ever-changing and difficult environmental control problems. Unique systems are designed and manufactured in Dectron's facilities to suit specific applications. Equipment efficiency and filter media life is optimized with Dectron's TECH-CHEK™ preventive maintenance program and supported by the laboratory.

All Dectron systems are engineered and manufactured to withstand the most severe environments, including those containing corrosive gases. Dectron's reputation has been built on years of research and development, and a growing number of satisfied customers worldwide.

- Minimizes Chloramines and other Air-Based Contaminants
- Protects Indoor Environment from Corrosion
- Reduces 'Swimming Pool' Odor
- Available on all New DRY-O-TRON® Dehumidifiers
- Easy Retrofit to Existing DRY-O-TRON® Dehumidifiers



*Patent Pending

⁽¹⁾ Inorganic Chloramines Assessment Report, Ministers of Environment and Health Canada, June 23, 2001.

DEHUMIDIFICATION

INDOOR POOL & WHIRLPOOL APPLICATIONS



DSV Series



RS Series

DS/DSV Series
Indoor Pool/Whirlpool
Light Commercial and
Residential Dehumidifiers

DS/RS DB/RB Series
Indoor Pool/Whirlpool
Commercial and Institutional
Dehumidifiers

- 10 Models from 8.1 thru 72.8 lb./h moisture removal and 1,000 thru 6,500 cfm
- Horizontal and vertical configurations, indoor installation
- Heats pool water with recycled energy, patented features

- Pool Guard corrosion resistant construction including HyPoxy® coated coils
- Optional A/C for year-round comfort control
- Advanced microprocessor control

- 20 Models from 45.5 thru 680 lb./h moisture removal and 3,800 thru 50,000 cfm
- Horizontal and vertical configurations
- Outdoor rooftop and indoor installation
- Purge Mode, Ecosaver, Economizer and Smart Saver Heat Recovery configurations

- Heats pool water with recycled energy, patented features
- Pool Guard corrosion resistant construction including HyPoxy® coated coils
- Optional A/C for year-round comfort control
- Advanced microprocessor control
- Gas auxiliary air and water heating available

100% OUTDOOR AIR APPLICATIONS



RK Series

DM/DK/DKV/RK Series
IAQ 100% Outdoor Air
Dehumidifiers

DKH/RKH Series
IAQ 100% Outdoor Air
Dehumidifiers
with Heat Pump



- 17 Models from 21.0 thru 550.0 lb./h moisture removal and 480 thru 30,000 cfm
- Treat 100% outdoor air entering as high as 80°F wet bulb
- Supply treated air as per ASHRAE 62
- Dehumidifies even when space cooling is not required (off-peak)

- Outdoor rooftop and indoor vertical or horizontal installation
- Gas auxiliary air heating available
- Available with exhaust energy recovery using enthalpy wheels or heat pipes
- Also in Heat Pump configuration
- Air Purification available

GENERAL PURPOSE APPLICATIONS



MAM Series



RB5 Series

MAM Series
Residential and Light
Commercial Dehumidifiers

DA3/DA5/DV5/RA5 DB5/RB5
General Purpose Commercial
and Industrial Dehumidifiers

- 7 Models from 4.1 thru 25.8 lb./h moisture removal and 400 thru 1,230 cfm
- Replaces small commercial and residential air conditioners

- Full cooling mode, controls both humidity and temperature
- Air-cooled, packaged water cooled available
- Year-round dehumidification without overcooling the space

- 23 Models from 8.1 thru 680.0 lb./h moisture removal and 1,000 thru 50,000 cfm
- Controls humidity
- Outdoor rooftop and indoor installation
- Economizer models

- Horizontal and vertical (Models 010 thru 080) configurations
- Optional A/C for year-round comfort
- Heat recovery available
- Gas auxiliary air heating available
- Advanced microprocessor control
- Air Purification available

AIR QUALITY



dia™ MONITORING SYSTEM
State-of-the-art indoor air
quality monitoring and
testing service

Comfort & Ventilation

- Temperature
- Relative humidity
- Carbon dioxide
- Air Cleanliness
 - Airborne particles (Fine)
 - Airborne particles (Large/Dust)
 - Odors (TVOC)

Building Pollutants

- Carbon Monoxide
- Ozone
- Radon
- Mold
 - Mold sampling

CUSTOM DEHUMIDIFICATION

DRY-O-TRON® Systems engineered to meet any custom requirements, large or small.



USA
10935 Crabapple Road,
Suite 202-A, Roswell,
Georgia 30075
Tel.: (770) 649-0102
1 800 676 2566
Fax: (770) 649-0243

CANADA
3999 Cote Vertu
Montreal, Quebec
Canada H4R 1R2
Tel.: (514) 336-3330
Fax: (514) 337-3336

1 888 DECTRON
www.dectron.com

