

NOVELAIRE *Comfort* PRODUCTS

# COMFORT DRY™ 400

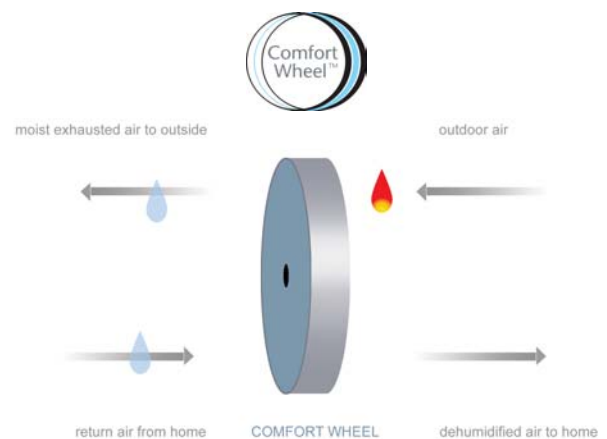
advanced humidity control  
residential gas-fired desiccant dehumidifier



**NovelAire's ComfortDry™ 400** is a gas-fired desiccant-based dehumidifier designed to provide comfort and improved indoor air quality through the control of indoor air relative humidity. The ComfortDry 400 uses a separate humidistat to control the humidity of the home independently of the central HVAC system. The unit is a compact, energy efficient, and clean burning gas-fired appliance capable of accurately maintaining the indoor humidity in a home between 45 to 55% RH - the desirable range for comfort and the optimum range to minimize or prevent the growth of mold and mildew. If desired, the unit can control the indoor humidity to much lower levels as well.

## HOW IT WORKS

The revolutionary new technology of NovelAire's Comfort Wheel™ is specifically designed to maximize moisture removal and comfort in your home. The Comfort Wheel rotates slowly while simultaneously absorbing the moisture from your home. The moisture-laden wheel then rotates into the outdoor air stream where a gas flame heats the outdoor air so that it dries the wheel and discharges the unwanted excess moisture outdoors. This energy efficient process provides **greater comfort** and **lower cooling bills**.



## BENEFITS

- Gas-fired desiccant-based centralized dehumidifier
- Independent humidity control
- Improves comfort
- Prevents mold, mildew, and dust mite growth by maintaining 50% RH
- Saves energy by maintaining comfort at higher set point temperatures
- Works in conjunction with or independent of the HVAC system
- No condensing lines or buckets of water to deal with!

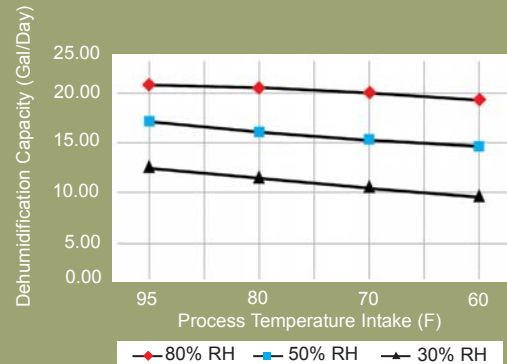
# COMFORT<sub>DRY</sub>™ 400

## SPECIFICATIONS

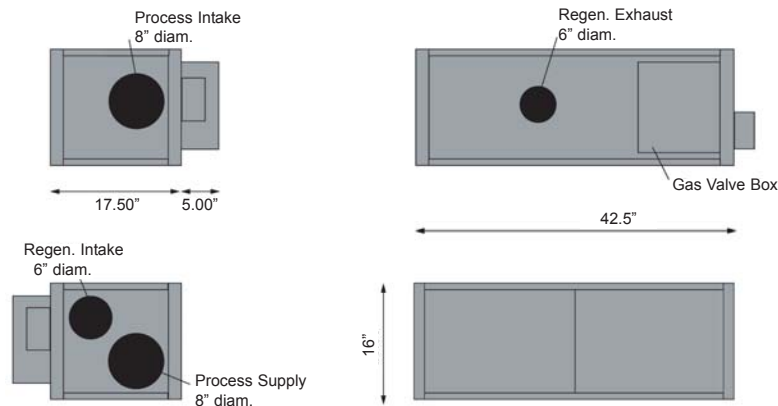
Power:	120 V, 15A Circuit, 1PH 60 HZ, FLA 3.4, RLA 3.2
Control & Interlock:	24 vac
Weight:	130 lbs
Process Volume:	400 CFM
Regeneration Volume:	120 CFM
Capacity (@80F, 60% RH):	150 Pints/Day
Gas Burner:	10000 BTUH
Sized for:	Up to 3000 Sq. Ft.-Typical

Natural Gas and Propane Models

## PERFORMANCE

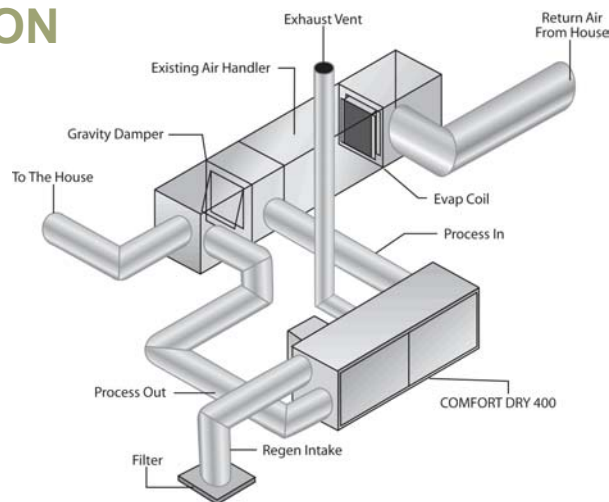


## DIMENSIONS



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. CONSULT FACTORY FOR SPECIAL APPLICATIONS.

## INSTALLATION



The ComfortDry 400 is typically installed as shown where the unit is tied into the existing air handler downstream from the evaporator coil. In this configuration a gravity damper is installed between the two connections to prevent back flow. The ComfortDry 400 is controlled by a separate humidistat and will cycle on and off to control humidity independently of the main A/C system.

The ComfortDry 400 can also be installed separately from the main A/C system if desired. In this configuration, the unit will have its own return air and supply air ducts. Supply air ducts are typically branched to two or three ceiling ducts servicing main rooms of the home.

**NOVELAIRE** Comfort PRODUCTS  
*creating the great indoors™*

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The information contained in this brochure is believed to be accurate by NovelAire Comfort Products, but is not warranted.