



# Comfort By Design



## RHEIA AIR DISTRIBUTION TECHNOLOGY

Rheia is an innovative, engineered HVAC air distribution system providing a more comfortable home, that is efficient, cost-effective, and future code compliant.



### Lower Cost

- Reduces cycle time
- Reduced equipment size
- Fewer call backs



### Better Comfort

- Better temperature control
- No hot or cold spots
- Consistent room temperatures



### Tax Incentives

- Federal & state credits
- HERS score reduction
- Energy provider rebates

## Rheia Technology. Value for everyone.

Rheia offers attractive solutions to the most common challenges contractors face: time, labor, and callbacks. The innovative Rheia system utilizes fewer SKUs and requires less manpower to install than traditional air distribution systems – significantly reducing installation time. With reduced air leakage, coupled with quick and accurate balancing, Rheia’s system minimizes costly callbacks while improving productivity.



### Home run duct layout is efficient and easy

Small diameter duct runs fit inside the thermal envelope which minimizes wasted energy and reduces the need for costly, unsightly bulkheads and chases.

Rheia works with conventional HVAC equipment making the transition from conventional duct systems easy and painless.

### Engineered to perform from design to balancing

More diffusers per room result in better air mixing, eliminating the hot and cold spots in a home that cause most comfort complaints.

Every duct run has an easily accessible damper making the balancing process with the Rheia Verify app time-efficient.

### Click-fit components make installation a snap

Up to 50% improvement of rough-in installation time when compared to conventional installations improving cycle time and reducing costs.

Quick-fit connections eliminate the need for tape or mastic sealing resulting in better air sealing and less energy losses.

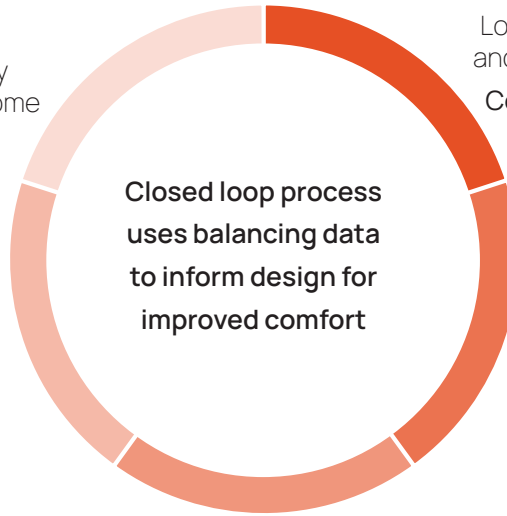
# Rheia Design. Closing the loop on comfort.

## 5. Rheia Reports

Balancing report for every commissioned home  
Rheia Option

## 4. Rheia Verify

Fine-tuned balancing process  
Rheia Required



## 1. Manual J®

Load calculations and target airflows  
Code mandated

## 2. Manual S®

Equipment specification and sizing  
Code mandated

## 3. Rheia D (System Design per Manual D® and Manual T®)

Equipment specification and sizing  
Code mandated or alternative

## Rheia Verify.

Comfort first, an industry first.

Rheia® Verify is our cloud-based app that verifies if the installed system is operating as designed. The Rheia Verify app ensures that each home's air balancing is optimized.

Rheia Verify walks the technician through the Rheia system verification and airflow balancing processes to help achieve consistent room-to-room and floor-to-floor air temperatures.



# Rheia Engineered Components.



3" Ferrule



4" Ferrule



Coupler



Take-Off Inside/ Outside



45 Degree Elbow



High Sidewall Boot



Pass-through Boot



Floor Boot



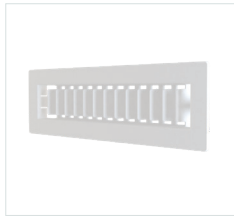
Ceiling Boot



Small Ceiling Diffuser



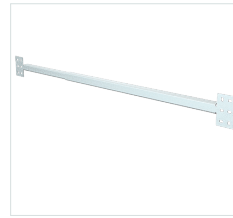
Large Ceiling Diffuser



Slotted Diffuser



3" and 4" Duct



Hanger Bar



Floor Diffuser (3 colors)

## Specifications.

Rheia components are manufactured from a UL-94 V-0 listed engineering thermoplastic.

The Ferrule, Coupler, and Elbow are additionally listed to UL181C, and UL2043.

Rheia's wall and ceiling diffusers are UL94 HB rated manufactured with a UV stabilized engineering thermoplastic.

Floor diffuser are painted steel available in a choice of 3 colors.

The Rheia duct is uninsulated and manufactured with a highly-durable fiberglass fabric. The duct is a UL181-listed Class 1 Air Duct.

Note: an r-8 insulated duct is also available.

### For more information

[www.rheiacomfort.com/contact](http://www.rheiacomfort.com/contact)

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Part Number	Component Name
10-01-010	3" Ferrule
20-01-010	4" Ferrule
10-01-020	45 Degree Elbow Extension
10-01-030	Coupler
10-01-040	Duct Board Take Off Inside
10-01-050	Duct Board Take Off Outside
10-01-200	High Sidewall Boot Assembly
10-01-210	Pass Through Boot Assembly
10-01-220	Ceiling Boot Assembly
10-01-280	Floor Boot Assembly
10-04-090	Slotted Diffuser
10-04-230	Ceiling Diffuser Assembly
10-04-260	Ceiling Diffuser Small Assembly
10-00-190	3" Duct Uninsulated ST-L (50FT lengths)
10-00-220	3" Duct Insulated R8 ST-L Core (25FT lengths)
20-00-190	4" Duct Uninsulated ST-L (50FT lengths)
20-00-220	4" Duct Insulated R8 ST-L Core (25FT lengths)
00-00-240	Hanger Bar Assembly
00-04-300	Floor Diffuser 4x10 White
00-05-300	Floor Diffuser 4x10 Beige
00-06-300	Floor Diffuser 4x10 Grey