

Room Distribution Unit

Steam Distribution System



PRODUCT DATA SHEET

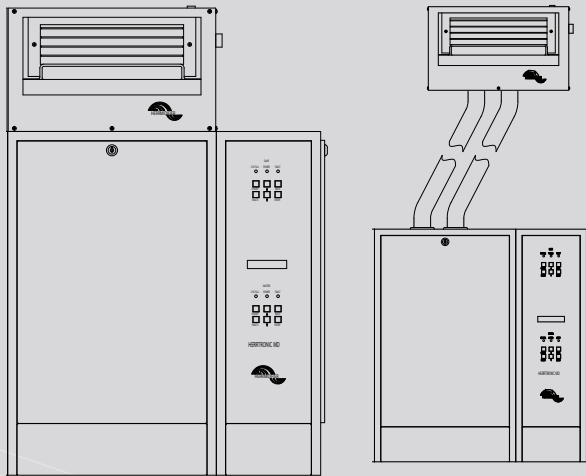


Introduction:

The RDU Room Distribution Units are designed to provide standalone blower capability to support the Herrtronic and Herrmersion families of electric steam generating units. RDUs are typically utilized when the area to be humidified is not already ducted or if the area to be humidified is a more localized area within a larger area.

Multiple RDU models are available for supporting direct mount on top of the humidifier cabinets or for mounting remotely. For higher steam capacity applications that utilize dual humidification cabinets, there are models of RDUs that can be paired with one RDU allocated per humidifier cabinet.

Mounting Examples:



Direct mount

Remote mount

The RDU is designed to be plumbed directly to accept steam output from the Herrtronic and Herrmersion steam generating units. Likewise for AC power and control signaling, RDUs also are connected to the steam generation units.

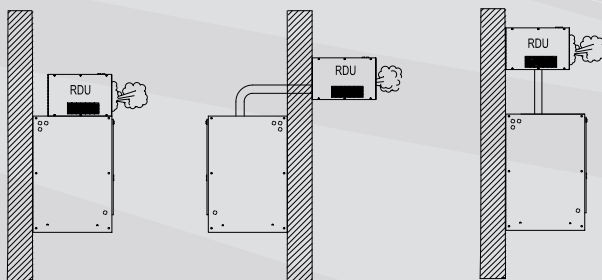
Features & Benefits:

- Attractive neutral finish cabinet
- Reliable five-speed manual control
- Louvers to direct steam flow from RDU
- Versatile - RDU(s) can be directly or remotely mounted to the electric steam unit
- Directly connects to TRION commercial humidifiers; additional dedicated control not required
- Has extended run-time after humidifier stops to prevent unit condensation

Applications:

- Institutions
- Warehousing
- Data centers
- Research facilities & laboratories
- Specialized manufacturing
- Specialized storage facilities

Side views



Single unit mount

Back feed remote mount

Bottom feed remote mount

Warranty:

2-Year Limited Warranty



Room Distribution Unit

Steam Distribution System

PRODUCT DATA SHEET

RDU Models for Herrtronic MD Steam Generators:

Humidity Generator Type	Model No.	Part No.	Steam Tubes	AC Power From Steam Generator	Humidification Output Range
MDM	RDU-MD-1	454361-001	1	208-240-1-50/60hz	5-30 lbs/hr
MDM	RDU-MD-1T	454361-002	1	480-600-1-50/60hz	5-30 lbs/hr
MDS	RDU-MD-1	454361-001	1	208-240-1-50/60hz	10-50 lbs/hr
MDS	RDU-MD-1T	454361-002	1	480-600-1-50/60hz	
MDS	RDU-MD-2	454361-003	2	208-240-1-50/60hz	60-100 lbs/hr
MDS	RDU-MD-2T	454361-004	2	480-600-1-50/60hz	
MDD	RDU-MD-2R	454361-009R	2	208-240-1-50/60hz	110-200 lbs/hr
MDD	RDU-MD-2L	454361-009L	2	208-240-1-50/60hz	
MDD	RDU-MD-2TR	454361-010R	2	480-600-1-50/60hz	110-250 lbs/hr
MDD	RDU-MD-2TL	454361-010L	2	480-600-1-50/60hz	

Notes: 1. Model numbers with a "T" include internal transformer for step down power to power RDU blower. 2. MDM units only support remote mount RDUs. 3. MDS units can support direct or remote mount RDUs. 4. MDD units always require two RDU units. 4a. For MDD with direct mounting, both a right and a left model RDU are required. 4b. For MDD units with remote mounting, please use (2) RDU-MD-2 or (2) RDU-MD-2T.

RDU Models for Herrmersion RE Steam Generators:

Humidity Generator Type	Model No.	Part No.	Steam Tubes	AC Power From Steam Generator	Humidification Output Range
RE	RDU-RE-1	454361-011	1	208-240-1-50/60hz	5-45 lbs/hr
RE	RDU-RE-1T	454361-012	1	480-600-1-50/60hz	5-45 lbs/hr
RE	RDU-RE-2T	454361-014	2	480-600-1-50/60hz	50-90 lbs/hr

Note: Model numbers with a "T" include internal transformer for step down power to power RDU blower.

Performance:

STEAM PLUME (@ 75° F, 55% R.H.)															
Output lbs./Hr	Throw, Total Dist. from RDU Face (in.) Blower Speed (CFM)					Breadth, Width at Max. Throw Dist. (in.) Blower Speed (CFM)					Rise, Height Change at Max. Throw Dist. (in.) Blower Speed (CFM)				
	1 (210)	2 (240)	3 (280)	4 (320)	5 (365)	1 (210)	2 (240)	3 (280)	4 (320)	5 (365)	1 (210)	2 (240)	3 (280)	4 (320)	5 (365)
10	20	15				15	15								
20	50	35	30	35	35	20	20	18	18	18					
30	90	80	75	70	60	28	26	24	24	24	10				
40	98	92	90	94	100	36	36	36	32	26	18	12	6		
50	112	112	116	120	120	40	36	36	36	30	36	22	12	6	
60		120	126	130	134		36	34	28	28		58	30	14	6
70			126	132	138			42	40	36			36	20	12
80			130	138	156			48	42	40			52	24	16
90			136	144	156			58	52	46			72	36	20
100			126	138	156			60	60	48			120	50	25

Indoor Air Quality Since 1947

ISO 9001:2015 Certified

Industry Membership:



Proudly Designed,
Engineered, and
Manufactured in the USA.*



To help serve you better,
please contact us at:

800-884-0002 (tel)

800-458-2379 (fax)

TRION®

101 McNeill Road
Sanford, NC 27330

www.trioniaq.com

customerservice@trioniaq.com

TRION® is a registered trademark of Air System Components, Inc. Air System Components, Inc. is a subsidiary of Johnson Controls Inc. All product specifications reflect available information at the printing of this brochure. TRION® reserves the right to revise or modify products and/or specifications without notice. © 2018 TRION®