

DRISTEEM HUMIDIFICATION





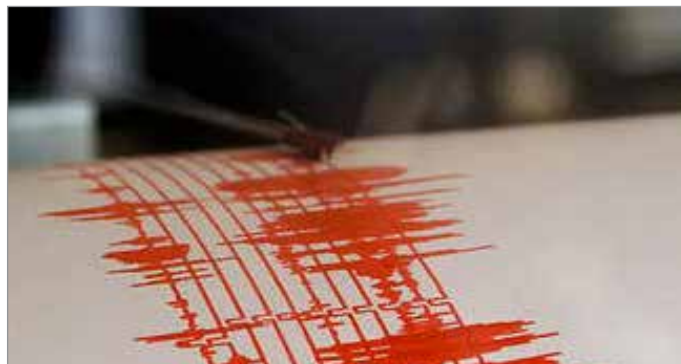
Many buildings require essential equipment to remain online after a seismic event. A wide range of DriSteem products passed shake table tests in compliance with International Building Code section 1708.4, as well as the Health Care Access and Information (HCAI) CAN 2-1708A.5 for healthcare facilities in California. Based on the shake table tests, selected units are certified up to 2.5g. All 50 states and the District of Columbia have adopted the IBC standard. DriSteem has pre-approved the widest variety of products found on the market today to meet your specific application needs.

DriSteem's seismic certified products mitigate risk because units are rated to operate during and after a seismic event. In addition, the design and certification process is expedited, resulting in earlier occupancy of the facility. DriCalc® sizing and selection software helps you select from a variety of pre-approved/certified units for your application.

HCAI OSP Pre-Approved units carry an OSP Label and require no further approval. IBC Certified units meet all HCAI seismic requirements but require submittal of the IBC

FIGURE 1-1: IBC LABELED PRODUCTS MEET SEISMIC REQUIREMENTS - REQUIRE SUBMITTAL TO HCAI FOR APPROVAL IN CALIFORNIA

Seismic Certification Label	
	DRI-STEEM Corporation 1234567
Product Type:	Ultra-Sorb XV (Stainless Steel)
Anchorage:	Duct mounted (rigid)
Applicable Building Code:	IBC 2022
Special Seismic Certification:	180019-CR-001
Certification Parameters:	
$l_p \leq 1.5$	$z/h = 0.0$ $z/h = 1.0$
	$S_d s = 2.5g$ $S_d s = 2.0g$
Unit Serial #: 1234567-01-01	
See Certificate of Compliance for additional restrictions	
Seismic Certification Agency	
TRU Compliance, by Structural Integrity Associates, Inc.	
www.trucompliance.com/certification-database	





Certification report for HCAI approval during the project submittal process. See sample certification labels of IBC & HCAI labeling below and product specific compliance details in Table 2-1.

DriSteem units that are HCAI certified require no additional seismic engineering work. See Table 2-1 for a complete list of seismic certified DriSteem products.

Seismic Certification Label allows:

- Cross-reference of the information on the label to the IBC or HCAI certificate (see www.drirsteem.com)
- Expedited inspection: inspector confirms installation method of unit

FIGURE 1-2: OSP LABELED PRODUCTS ARE PRE-APPROVED - NO FURTHER SUBMITTAL, OR APPROVAL REQUIRED

Seismic Certification Label	
	DRI-STEEM Corporation 1234567
Product Type:	Ultra-Sorb XV (Galvanized Steel)
Anchorage:	Duct mounted (rigid)
Applicable Building Code:	CBC 2022
Special Seismic Certification:	HCAI OSP-0216
Certification Parameters:	
$l_p \leq 1.5$	$z/h = 0.0$ $z/h = 1.0$
	$S_d s = 2.5g$ $S_d s = 2.0g$
Unit Serial #: 1234567-02-01	
See Certificate of Compliance for additional restrictions	
Seismic Certification Agency	
TRU Compliance, by Structural Integrity Associates, Inc.	
www.trucompliance.com/certification-database	



**Table 2-1:
DriSteem Seismic Certified Equipment**

Steam generators	Material	Size range	Available mounting options	
			Wall mount	Floor mount
GTS® humidifier ⁽¹⁾		All models		OSP
STS® humidifier		All models		OSP
RTS® humidifier		All models	OSP ⁽³⁾	OSP ⁽⁴⁾
Vapormist® humidifier		All models	OSP	
Vaporstream® humidifier ⁽²⁾		All models		OSP
XTP humidifier (indoor models)	Stainless steel	All models	OSP	
XTP humidifier (outdoor models)		-002 through -048	OSP	OSP ⁽⁵⁾

(1) The GTS humidifier and RTS humidifier are also available in an OSP Pre-Certified outdoor enclosure and curb mount.

(2) The Vaporstream humidifier is also available in an OSP Pre-Certified weather cover enclosure mount.

(3) -1 and -2 stage wall mount; -3 and -4 stage base mount.

(4) The RTS humidifier floor mount is available for 3 and 4-stage indoor models and all outdoor models.

(5) Base mounted on 3rd party supplied rigid mount rails.

Dispersion	Material	Size range	Available mounting options	
			Duct mount	AHU mount
Mini-bank®	Stainless steel & Galvanized steel	6" x 6" thru 24"h x 48"w	OSP	OSP
Ultra-sorb® LH dispersion panels (Horizontal airflow only)	Stainless steel & Galvanized steel	12" x 12" thru 80" x 80"	OSP	
Ultra-sorb® LV dispersion panels	Stainless steel & Galvanized steel	12" x 12" thru 80" x 80"	OSP	
Ultra-sorb® XV dispersion panels	Stainless steel & Galvanized steel	12" x 12" thru 80" x 80"	OSP	
Ultra-sorb® MP dispersion panels	Stainless steel & Galvanized steel	12" x 12" thru 80" x 80"	OSP	
Ultra-sorb® LH dispersion panels (Horizontal airflow only)	Stainless steel & Galvanized steel	12" x 12" thru 120" x 120"		OSP
Ultra-sorb® LV dispersion panels	Stainless steel & Galvanized steel	12" x 12" thru 120" x 120"		OSP
Ultra-sorb® XV dispersion panels	Stainless steel & Galvanized steel	12" x 12" thru 110"h x 116"w		OSP
Ultra-sorb® MP dispersion panels	Stainless steel & Galvanized steel	12" x 12" thru 110"h x 116"w		OSP

Note: IBC labeled units are certified to the same levels as OSP labeled units: $S_{D5}=2.0 @ z/h=1$, $S_{D5}=2.5 @ z/h=0$

DRISTEEM SEISMIC CERTIFIED HUMIDIFICATION EQUIPMENT

- Meets IBC seismic standards
- Satisfies the California HCAI Seismic Certification for Healthcare facilities
- Passed rigorous shake table test – independent seismic engineer verified
- A wide variety of generation and dispersion units

For more information about seismic requirements and approved systems contact your DriSteem representative or visit www.dristeem.com/products/accessories-options/seismic-certification.

DRI-STEEM Corporation

DriSteem U.S. operations are ISO 9001:2015 certified

www.dristeem.com

U.S. Headquarters:
14949 Technology Drive
Eden Prairie, MN 55344
800-328-4447 or 952-949-2415
952-229-3200 (fax)

Continuous product improvement is a policy of DriSteem Corporation; therefore, product features and specifications are subject to change without notice.

DriSteem and Vaporstream are registered trademarks of Research Products Corporation and are filed for trademark registration in Canada and the European community.

Product and corporate names used in this document may be trademarks or registered trademarks. They are used for explanation only without intent to infringe.

© 2023 Research Products Corporation



Form No. SEISMIC-FLYER-EN-2023-0623