

## 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<sup>®</sup> 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 2018
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.	
<a href="http://www.trucompliance.com/certification-database">www.trucompliance.com/certification-database</a>	



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](http://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 2019
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.	
<a href="http://www.trucompliance.com/certification-database">www.trucompliance.com/certification-database</a>	



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

Steam generators	Material	Size range	Available mounting options	
			Wall mount	Floor mount
GTS® humidifier*		All models		OSP
STS® humidifier		All models		OSP
RTS® humidifier		All models	OSP***	OSP****
Vapormist® humidifier		All models	OSP	
Vaporstream® humidifier**		All models		OSP
XTP electrode steam humidifier	Stainless steel	All models	OSP	

\*The GTS humidifier and RTS humidifier are also available in an OSP Pre-Certified outdoor enclosure and curb mount.

\*\* The Vaporstream humidifier is also available in an OSP Pre-Certified weather cover enclosure mount.

\*\*\*-1 and -2 stage wall mount; -3 and -4 stage base mount.

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

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	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	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:  $S_{Ds}=2.0 @ z/h=1$ ,  $S_{Ds}=2.5 @ z/h=0$

### 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.drirsteem.com/products/accessories-options/seismic-certification](http://www.drirsteem.com/products/accessories-options/seismic-certification).

### DRI-STEEM Corporation

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

[www.drirsteem.com](http://www.drirsteem.com)

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

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