

Product Specification

SDRU-16 Drift Reduction Unit



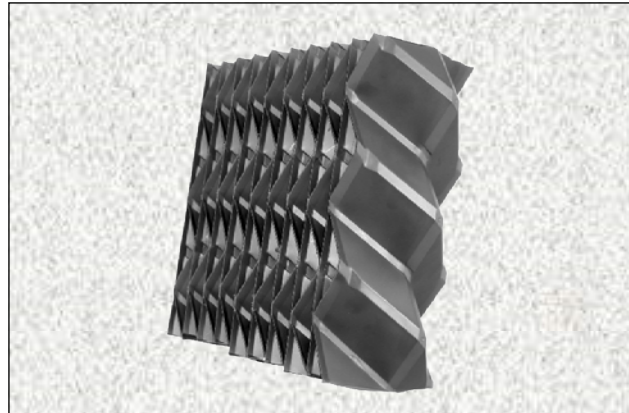
C. E. Shepherd Company

Product Description

SDRU-16 is a high efficiency cellular drift eliminator designed for installation in heavy duty industrial cooling towers. SDRU-16 Drift Reduction Units are supplied in modules constructed from individual sheets of UV protected PVC formulated for cooling tower applications and in compliance with CTI-136. The fill packs will operate satisfactorily in continuous operating temperatures of 140°F or less.

The SDRU-16 is designed for both crossflow and counterflow applications. The product is supplied in 12" wide modules which nest together insuring that air exiting the fill section cannot bypass the individual modules. The modules also include drainage slots to insure collected water is returned to the wetted section of the tower as well as a special discharge angle to minimize airside pressure losses.

When installed with proper air seals at structural penetrations and perimeters, with air velocities not exceeding 700 FPM and maintaining splashing or spraying water at least 12" from the inlet face of the modules, drift rates of .0005% are obtainable and have been verified by actual HBIK testing in accordance with CTI codes.



SDRU-16

Applicable Commercial Standards

Property	Test Method	Typical Values
Specific Gravity	ASTM-D792	1.41 ± 0.04
Tensile Strength (psi)	ASTM-D638	5500 min
Tensile Modulus (psi)	ASTM-D638	3.5 x 10 ⁵ min
Flexural Strength (psi)	ASTM-D790	10,000 min
Flexural Modulus	ASTM-D790	3.5 x 10 ⁵ min
Heat Distortion Temperature (°F)	ASTM-D648	162 min
Flammability 1	UL94 Vertical Burning	94V-0
Flammability 2	UL94 Horizontal Burning	94H-B
Flame Spread	ASTM-E84	25 or less

ASTM methods shown above are based on the Annual Book 1999 and have been modified to suit practical conditions.

For dimensions and/or physical properties different from those listed above or special requirements including weatherability, flammability, etc., contact CES for agreement on the specifications.

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Nominal Product Dimensions

Description	Units	Value
Sheet Thickness before forming	Mils	19.0
Sheet Thickness after forming	Mils	15.0
Sheets per 12" module	Each	16
Flute Width	Inches	1.5
Module Depth	Inches	5.5
Module Width	Inches	12.0
Maximum Module Length	Feet	12.0

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