



# CamContain SBTD Damper

Square Bubble-Tight Dish Isolation Dampers



**Isolation dampers are designed to isolate the filter housing during filter service. Isolating the housing protects service personnel during filter changing.**



Dampers may be ganged up to 5 high by 6 across.

Camfil CamContain SBTD Rectangular Isolation Dampers create a barrier between hazardous contaminants and the filter change out components typical to a containment system.

Every CamContain SBTD isolation damper:

- Is functionally an ISOLATION damper as defined by ASME AG-1 Section DA-1320.
- Is manufactured of 11-gauge and 14-gauge 304L stainless steel materials. 316L stainless steel construction is a standard option.
- Is continuously welded at all pressure barrier points.
- Includes a 20" nominal round damper dish (additional dish sizes are available). Damper sealing points incorporate high-memory closed cell silicone to create an effective seal for every filter change or decontamination procedure.
- Includes manual actuators as standard and factory installed. Optional pneumatic or electric actuators are available. Contact factory for assistance.
- Pre-drilled bolt holes in out-turned flanges for connection to additional housings or existing hardware are a standard option.
- May be mounted in series or in parallel to meet most system isolation requirements.

Typical applications include hospital infectious isolation suites, pharmaceutical facilities, research and biotechnology laboratories, nuclear processing facilities, and various manufacturing operations.

All CamContain SBTD Rectangular Isolation Dampers are qualified to Frame Leakage Class A and Seat Leakage Class 0 per Section DA, Article 5000 of ASME AG-1.

Custom designs are also available to meet any individual containment requirement.

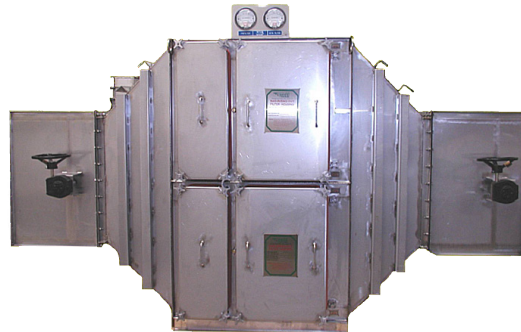


# CamContain SBTD Damper

Square Bubble-Tight Dish Isolation Dampers

Isolation dampers create a positive shut-off and isolate hazardous contaminants when incorporated in a CamContain filtration system. During filter change, dampers are closed to ensure the safety of filter service personnel.

The SBTD isolation damper is bubble tight at 10" w.g. (Frame Leakage Class A and Seat Leakage Class 0 per Section DA, Article 5000 of ASME AG-1.). Every damper is factory tested per this Code.



Left: Dampers are typically used to safely seal filter housing section from process or air stream.

Below: Multiple dampers in a 3 high by 3 wide configuration.



## Model Number Decoder

CF - 2 X 2 - SBTD - 20 - EDA - SS - 120V

**Number of dishes high**  
(height of housing)

- 1 - One dish high
- 2 - Two dishes high
- 3 - Three dishes high
- 4 - Four dishes high
- 5 - Five dishes high

**Number of dishes wide**  
(width of housing)

- 1 - One dish wide
- 2 - Two dishes wide
- 3 - Three dishes wide
- \*4 - Four dishes wide
- \*5 - Five dishes wide
- \*6 - Six dishes wide

Bubble-tight rectangular damper

**Damper size (nominal dish size)**  
20" by 20" damper dish (standard)  
18" - 18" damper dish  
Optional sizes - consult factory

**Damper actuator type**

- M - Manual hand wheel
- PSR - Pneumatic spring return
- PDA - Pneumatic double acting
- ERS - Electronic spring return
- EDA - Electronic double acting

**Electrical requirements**

- 120V - 120V/1Ph/ 50/60 Hz
- 230V - 230V/3Ph / 50/60 Hz
- 24VAC - 24V AC
- 24VDC - 24V DC

**Damper sheet material**

- SS - T304L stainless steel
- 316L - T-316L stainless steel

\* Requires actuation from both sides of damper housing

Model Number	Damper Diameter (inches)	Actual Dimensions (inches)			Maximum Width (inches)	Weight (lbs)
		Height (A)	Width (B)	Depth (C)		
CF - 1 x 1 - SBTD - 20 - M - SS	20	30	27	20	37	94
CF - 1 x 2 - SBTD - 20 - M - SS	20	30	51	20	61	189
CF - 1 x 3 - SBTD - 20 - M - SS	20	30	75	20	85	283
CF - 2 x 1 - SBTD - 20 - M - SS	20	60	27	20	37	188
CF - 2 x 2 - SBTD - 20 - M - SS	20	60	51	20	61	378
CF - 2 x 3 - SBTD - 20 - M - SS	20	60	75	20	85	566
CF - 3 x 1 - SBTD - 20 - M - SS	20	90	27	20	37	282
CF - 3 x 2 - SBTD - 20 - M - SS	20	90	51	20	61	567
CF - 3 x 3 - SBTD - 20 - M - SS	20	90	75	20	85	849
CF - 4 x 1 - SBTD - 20 - M - SS	20	120	27	20	37	376
CF - 4 x 2 - SBTD - 20 - M - SS	20	120	51	20	61	756
CF - 4 x 3 - SBTD - 20 - M - SS	20	120	75	20	85	1132

Unit is completely factory assembled.

There are many options when considering electric or pneumatic actuators. Some include solenoid valves and switches. Contact factory for assistance.

For assistance specific to this product, please contact Camfil's Washington NC facility at Sales-WA@camfil.com or telephone at 877-658-6588.

For detailed specifications or drawing, please consult your local Camfil Distributor or Representative, [CamContain SBDT Isolation Dampers](http://www.camfil.com) or [www.camfil.com](http://www.camfil.com).

Camfil has a policy of uninterrupted research, development and product improvement. We reserve the right to change designs and specifications without notice.



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