



**INDUSTRIAL
PROCESSING
PLANTS**



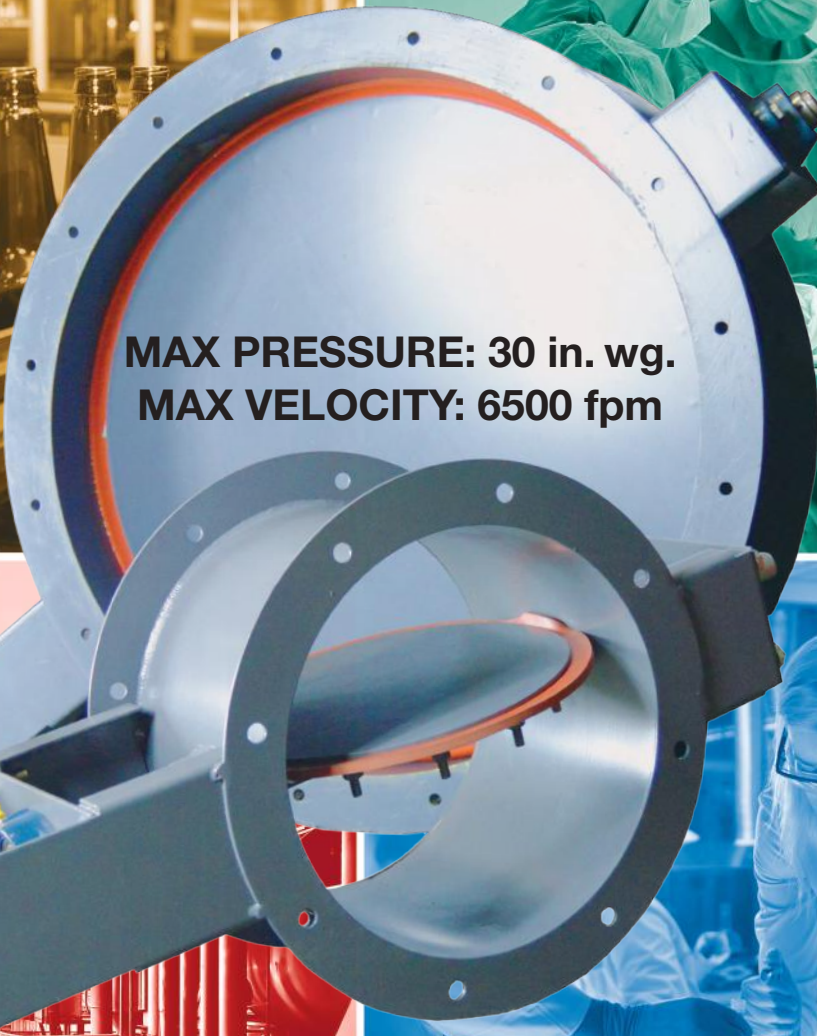
CLEAN ROOMS



**ENERGY
FACILITIES**



LABORATORIES



**MAX PRESSURE: 30 in. wg.
MAX VELOCITY: 6500 fpm**

CD-95R BUBBLE TIGHT DAMPER

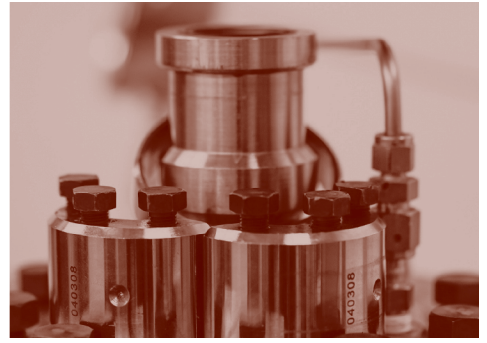
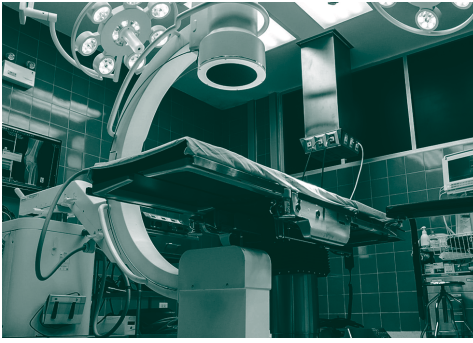
Pottorff's CD-95R bubble-tight industrial control damper is designed for isolation and decontamination applications. It has the lowest leakage rating possible in accordance with AMCA Standard 500-D. Typical

applications include industrial processing plants, laboratories, clean rooms, pharmaceutical facilities, DOE facilities, and other applications that require extremely low leakage.



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WHEN ISOLATION IS ESSENTIAL – CD-95R BUBBLE TIGHT DAMPER

STANDARD CONSTRUCTION TABLE

Damper Diameter (D)	Frame		Blade Thickness	Axle Diameter
	Flange (F)	Thickness		
6" ≤ D < 8"	1.5"	12 ga	12 ga	3/4"
8" ≤ D < 12"	1.5"	12 ga	12 ga	3/4"
12" ≤ D < 24"	1.5"	10 ga	10 ga	1"
24" ≤ D < 36"	2.0"	3/16"	10 ga	1"
36" ≤ D ≤ 48"	2.0"	1/4"	3/16"	1.5"

The damper frame is flanged for easy mounting and the blade seal is mechanically fastened to the blade.

STANDARD CONSTRUCTION:

Frame: 8" flanged steel channel (see table for details)

Blades: Steel reinforced butterfly style (see table for details)

Blade Seals: Silicone rubber

Minimum Size: 6" Ø

Maximum Size: 48" Ø

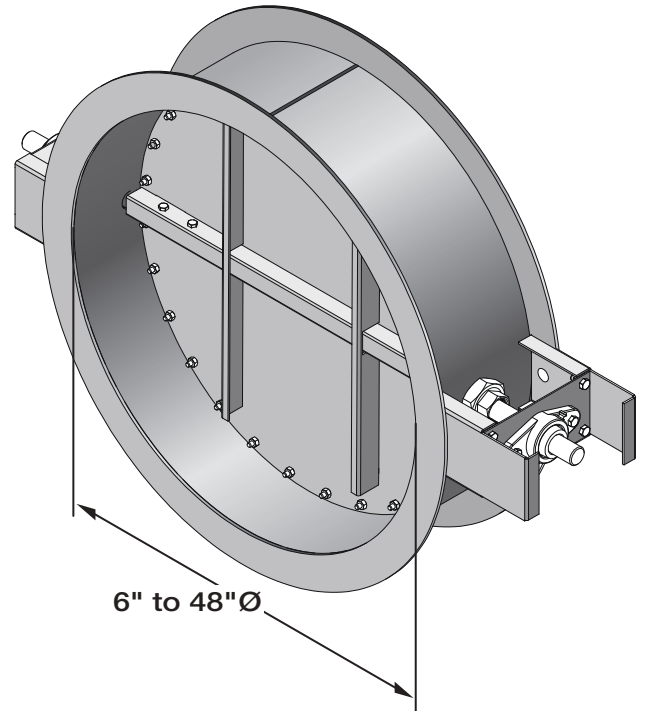
RATINGS:

Leakage: Bubble-tight in accordance with AMCA-500D

Maximum Pressure: 30 in. wg. differential pressure

Maximum Velocity: 6,500 fpm

Temperature: Minimum: -40° F
Maximum: 250° F



CD-95R Bubble Tight Damper



THE AMCA 500-D BUBBLE-TIGHT TEST EXPLAINED

The damper is pressurized from the back side, then a glycerin soap and water solution is applied inside the damper around the seal perimeter where the blade seal comes in contact with the damper frame. The solution is also applied to the outside frame area. Then the damper is turned over and confirmed to be bubble tight, meaning bubbles do not form on the reverse side.

AMCA-500D standard allows a 1/16 in. diameter bubble to form in 1 second or a 1/4 in. diameter bubble to form in 60 seconds.

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