HEAVY DUTY ROUND CONTROL DAMPER

MODEL: HDCD82R

STANDARD CONSTRUCTION

FRAME:
Steel channel

BLADES:
Steel, stiffened as required

MAXIMUM TEMPERATURE:
250 deg. F is standard

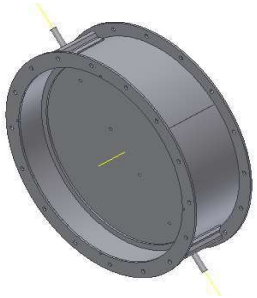
FINISH:
Aluminium paint with some parts mill

AXLES:
Continuous, plated steel axle, angle reinforced as required.
See table below for axle dia.

CONTROL SHAFT:
Axle extends 6” from frame

BEARINGS:
Grease lubricated ball bearings bolted to frame

BLADE STOP:
½” x ¼” Steel bar on dampers under 17” in dia.
½” x ½” steel bar on damper 17” in dia. And larger.



MINIMUM SIZE
4” dia

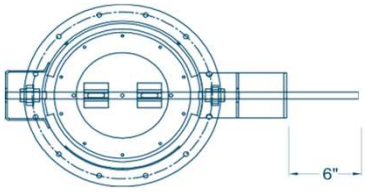
MAXIMUM SIZE
60” dia

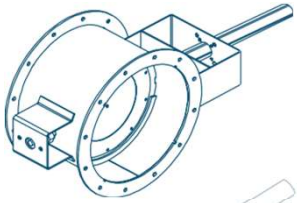
OPTIONAL BOLT HOLES AS SHOWN
S= Holes Straddle Axle (Shown)
M=diameter Of Holes
H= Number Of Holes (Even Number Only)
T= Holes Parallel With Axle O (Not Shown)

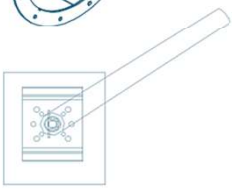
Inside diameter (0)		Blade	Axle	Frame	
Above	Through	Thickness	Diameter	Flange (F}	Web(C}
4"	7 3/4"	10 ga.	1/2"	1 1/4" X 10 ga,	6"x 10 ga.
7 3/4"	113/4"	10 ga.	1/2"	1 1/4" X 10 ga,	8"x 10 ga.
113/4"	14"	10 ga.	1/2"	1 1/2" X 10 ga,	8"x 10 ga.
14"	24"	10 ga.	3/4"	1 1/2" X 1/4"	8"x 10 ga.
24"	42"	3/16"	3/4"	2" X 1/4"	8" xl0 ga.
42"	48"	3/16"	1"	2" X 1/4"	8" xl0 ga.
48"	60"	1/4"	1"	2 1/2" X 5/16"	8" X 3/16"

FRAME	BLADES	SEALS
Steel channel	Steel stiffened as required	Silicone 400 deg F (204 deg C) Blade seal
304 Stainless steel (OPT}	304 Stainless steel (OPT}	

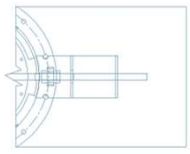
BEARINGS	AXLE	ACCESSORIES (OPT}
Sleeve press inset	Plated continous 6" extension beyond frame	Bolt holes in 1 flange
Bolted to frame (Opt)		Bolt holes in both flanges
Bolted to frame W/ shaft seals (OPT)	304 Stainless steel (OPT}	Manual actuator no.
Mounted to frame W/shaft seals (OPT)		Manual actuator cl.
		Electric actuator
		Pneumatic actuator







Hand Quadrant



Out Board Bearings W / Shaft Seals (Opt)

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