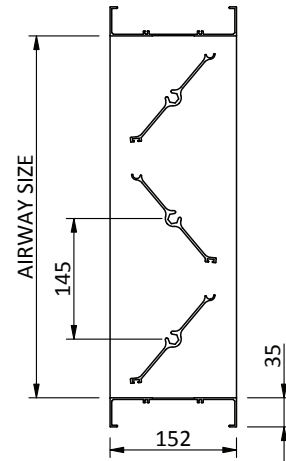


## VOLUME CONTROL DAMPER MOTORISED Model ADVCDMOT



ADVCDMOT

### DESIGN DETAILS (mm)



### APPLICATIONS

General purpose volume control damper with hexonal shaft to suit motor operation.

All aluminium construction.

More resistant to corrosion enabling them to be used in areas of high humidity, like swimming centres and tropical environments.

Significantly lighter than their steel counterparts.

Easy to operate.

Low leakage when closed and they create very little resistance when open.

### FEATURES

All extruded aluminium construction.

Self inflating Rubber Blade Tip Seals.

Nylon Bearings to ensure smooth action.

Hexagonal shaft supplied to suit motor operation (motor not supplied).

High temper 50mm aluminium venetian side seals.

## VOLUME CONTROL DAMPER MOTORISED Model ADVCDMOT

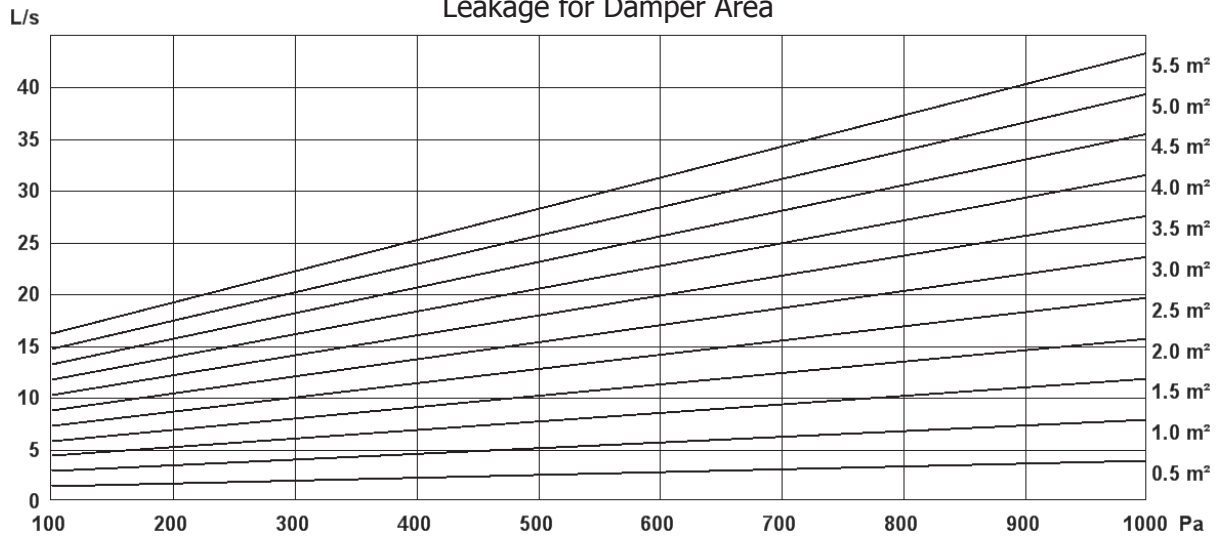
		Loss Coefficients for air at 1.2kg/m <sup>3</sup> Density. $C=PD / (0.6 \times V_2)$											
Pressure Drop (Pa)	50	333	83	37	21	13	9.3	6.8	5.2	4.1	3.3	2.8	2.3
	100	667	167	74	42	27	18.5	13.6	10.4	8.2	6.7	5.5	4.6
	150	1000	250	111	63	40	27.8	20.4	15.6	12.3	10.0	8.3	6.9
	200	1333	333	148	83	53	37.0	27.2	20.8	16.5	13.3	11.0	9.3
	300	2000	500	222	125	80	55.6	40.8	31.3	24.7	20.0	16.5	13.9
	400	2667	667	296	167	107	74.1	54.4	41.7	32.9	26.7	22.0	18.5
	500	3333	833	370	208	133	92.6	68.0	52.1	41.2	33.3	27.5	23.1
	600	4000	1000	444	250	160	111.1	81.6	62.5	49.4	40.0	33.1	27.8
	700	4667	1167	519	292	187	129.6	95.2	72.9	57.6	46.7	38.6	32.4
	800	5333	1333	593	333	213	148.1	108.8	83.3	65.8	53.3	44.1	37.0
	900	6000	1500	667	375	240	166.7	122.4	93.8	74.1	60.0	49.6	41.7
	1000	6667	1667	741	417	267	185.2	136.1	104.2	82.3	66.7	55.1	46.3
	1100	7333	1833	815	458	293	203.7	149.7	114.6	90.5	73.3	60.6	50.9
1300	8667	2167	963	542	347	240.7	176.9	135.4	107.0	86.7	71.6	60.2	
		0.5	1 m/s	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6
		Core Velocity (m/s)											

For Manual Balancing and Motorised Opposed Blade Dampers, the pressure drop should not exceed the values calculated from the 1981 SMACNA duct design tables.



VOLUME CONTROL DAMPER MOTORISED  
Model ADVCDMOT

Volume Control Damper  
Leakage for Damper Area



Volume Control Damper  
Loss Coefficient

