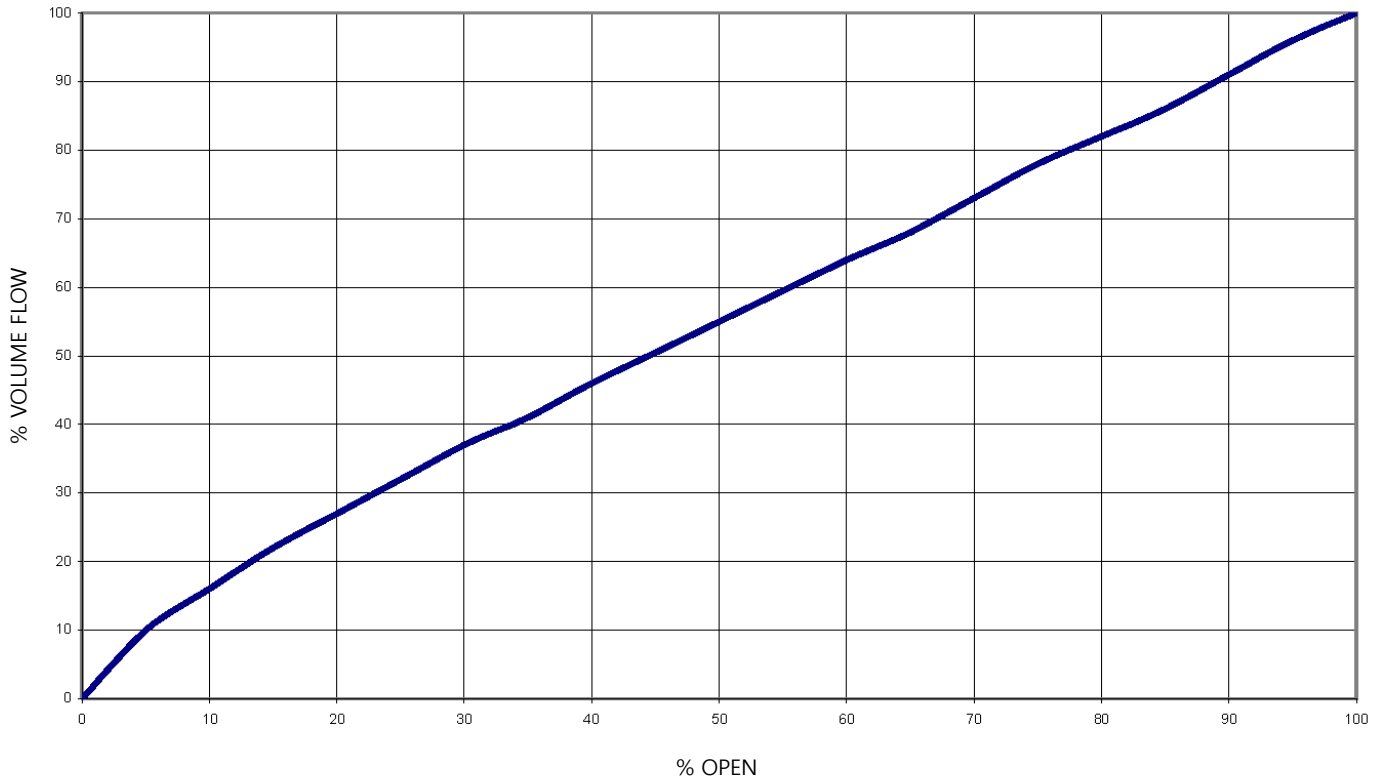


Graph showing the percentage volume flow versus the percentage open for a RICKARD Pressure Control Damper with a constant  $\Delta P$  of 100 Pa. As can be seen, the air transfer characteristic is near-linear and is ideal for duct static pressure control. Opposed Bladed Dampers have a non-linear characteristic and do not give stable VAV pressure control.

**RICKARD PRESSURE CONTROL DAMPER**  
 % VOLUME FLOW vs % OPEN @ 100Pa



Noise data for a damper with a face area of 0,10m<sup>2</sup>, in the fully open position.

VELOCITY (m/s)	PRESSURE DROP (Pa)	SOUND POWER LEVEL (dB)						dBA
		250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	
3	7	18	18	17	15	8	-	21
4	11	24	24	23	21	14	2	27
5	18	30	30	29	27	20	8	33
6	26	34	34	33	31	24	12	37
7	36	38	38	37	35	28	16	41
8	48	41	41	40	38	31	19	44
9	60	44	44	43	41	34	22	47
10	72	46	46	45	43	36	24	49

Performance Data applies to Standard Air having a density of 1.2 kg/m<sup>3</sup>.