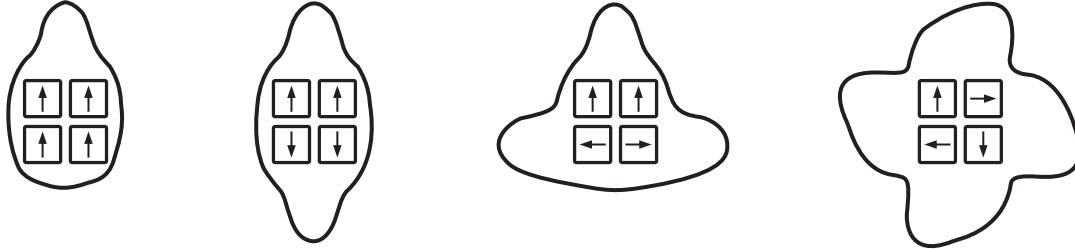




## PD & PDC Perforated Face Diffuser

- For model PD & PDC, the four pieces of deflector can adjust the flow pattern to 1, 2, 3 or 4 way. (Optional)
- The perforated face is removable by unlocking the spring for easy adjustment of flow pattern.



### ■ PDC Performance Data

Neck Size mm	Neck Vel. (m/s)	2	2.5	3	3.5	4	4.5	5	
Neck Area m <sup>2</sup>	Vel. Press (mmAq)	0.25	0.4	0.55	0.75	1.0	1.25	1.55	
200 (0.0324)	CMH	233	292	350	408	467	525	583	
	Tot. Press (mmAq)	0.7	1.2	1.6	2.2	2.8	3.5	4.4	
	NC	-	22	26	28	34	39	42	
	Throw (m)	1 Way	1.1 - 3.2	1.6 - 4.1	2.2 - 4.6	2.6 - 5.6	3.2 - 6.5	3.6 - 7.0	4.1 - 7.5
		2 Way	0.8 - 2.6	1.1 - 3.2	1.6 - 3.7	2.2 - 4.6	2.6 - 5.3	2.9 - 6.0	3.2 - 6.5
3 Way		0.5 - 1.6	0.8 - 2.3	1.1 - 2.9	1.4 - 3.2	1.6 - 3.7	2.0 - 4.4	2.3 - 5.0	
4 Way		0.3 - 1.0	0.3 - 1.4	0.5 - 1.6	0.5 - 2.0	0.8 - 2.3	1.1 - 2.6	1.4 - 3.0	
250 (0.0507)	CMH	365	456	548	640	730	820	913	
	Tot. Press (mmAq)	0.9	1.4	2.0	2.7	3.5	4.4	5.5	
	NC	21	26	30	34	38	42	47	
	Throw (m)	1 Way	2.0 - 4.4	2.5 - 5.6	3.2 - 6.8	3.7 - 8.1	4.4 - 8.9	5.0 - 9.7	5.6 - 10.4
		2 Way	1.4 - 3.5	2.0 - 4.4	2.6 - 5.6	3.2 - 6.5	3.5 - 7.5	3.9 - 8.4	4.4 - 9.2
3 Way		0.8 - 0.6	1.4 - 3.2	2.0 - 4.1	2.3 - 4.7	2.6 - 5.3	2.9 - 6.0	4.4 - 9.2	
4 Way		0.3 - 1.4	0.5 - 2.0	0.8 - 2.2	1.1 - 2.8	1.4 - 3.2	1.7 - 3.7	2.0 - 4.1	
300 (0.0731)	CMH	526	658	790	920	1052	1185	1315	
	Tot. Press (mmAq)	1.1	1.7	2.4	3.3	4.3	5.4	6.6	
	NC	24	28	33	38	42	46	49	
	Throw (m)	1 Way	2.6 - 5.6	3.5 - 7.1	4.1 - 8.6	5.0 - 9.9	5.6 - 11.5	6.3 - 12.6	7.1 - 13.5
		2 Way	2.0 - 4.6	2.9 - 5.8	3.5 - 7.1	4.1 - 8.3	4.6 - 9.5	5.3 - 10.7	5.8 - 11.9
3 Way		1.4 - 3.5	2.0 - 4.4	2.6 - 5.2	2.8 - 6.1	3.5 - 7.1	3.9 - 8.1	4.4 - 8.9	
4 Way		5.0 - 2.0	0.8 - 2.6	1.4 - 3.2	1.7 - 3.7	2.0 - 4.1	2.3 - 4.6	2.6 - 5.2	
350 (0.0979)	CMH	705	881	1057	1234	1410	1585	1762	
	Tot. Press (mmAq)	1.3	2.0	2.7	3.8	4.9	6.3	7.6	
	NC	26	31	35	39	45	50	53	
	Throw (m)	1 Way	3.5 - 7.1	4.4 - 8.9	5.3 - 11.0	6.2 - 12.8	7.1 - 14.7	8.1 - 16.0	9.0 - 16.8
		2 Way	2.9 - 5.8	3.5 - 5.7	4.4 - 8.9	5.0 - 10.4	5.8 - 11.8	6.6 - 13.6	7.5 - 14.7
3 Way		2.0 - 4.1	2.6 - 5.3	3.2 - 6.5	3.7 - 7.7	4.1 - 8.6	4.7 - 10.0	5.3 - 11.0	
4 Way		0.8 - 2.6	1.4 - 3.2	1.7 - 3.7	2.3 - 4.6	2.6 - 5.3	2.9 - 6.0	3.2 - 6.8	
400 (0.1297)	CMH	934	1167	1400	1635	1868	2100	2335	
	Tot. Press (mmAq)	1.5	2.4	3.4	4.6	6.0	7.6	9.4	
	NC	26	32	35	40	46	50	54	
	Throw (m)	1 Way	5.0 - 7.1	5.6 - 8.1	6.2 - 9.0	6.8 - 9.5	7.1 - 10.5	7.6 - 11.0	8.1 - 11.6
		2 Way	2.3 - 3.8	2.9 - 4.4	3.2 - 4.7	3.5 - 5.0	3.7 - 5.3	4.0 - 5.6	4.2 - 5.8
3 Way		2.0 - 3.8	2.3 - 4.4	2.9 - 4.7	3.4 - 7.0	3.6 - 5.3	3.9 - 5.6	4.2 - 5.8	
4 Way		1.4 - 2.9	2.3 - 3.2	2.6 - 3.5	2.6 - 3.7	2.8 - 4.1	3.0 - 4.4	3.2 - 4.7	

• NC value is based on a room absorption of 10 dB, re 10<sup>-12</sup> watts.  
 • Dash (-) in space indicates NC value less than 20.

• Ducted return data for PDC: Negative SP = Total Press. NC = Above Plus 2dB

## PD & PDC Perforated Face Diffuser

### ■ Performance Data for PDC

Neck Size mm Neck Area m <sup>2</sup>	Neck Vel. (m/s)	2	2.5	3	3.5	4	4.5	5
	Vel. Press (mmAq)	0.25	0.4	0.55	0.75	1.0	1.25	1.66
	Neg. SP. (mmAq)	1.3	1.9	2.8	3.9	5.0	6.6	7.6
240 x 240 (0.0576)	CMH	414	518	622	725	830	933	1037
	NC	-	-	-	21	25	29	32
340 x 340 (0.1156)	CMH	832	1040	1250	1456	1665	1873	2080
	NC	-	-	21	24	28	31	35
440 x 440 (0.1936)	CMH	1394	1742	2090	2440	2788	3136	3485
	NC	-	-	22	26	29	34	37
540 x 540 (0.2916)	CMH	2100	2625	3150	3675	4200	4724	5250
	NC	-	21	23	27	31	35	39

- NC value is based on a room absorption of 10 dB, re 10<sup>-12</sup> watts.
- Dash (-) in space indicates NC value less than 20.

### ■ Performance Data for PD 460 X 460

Neck Size mm Neck Area m <sup>2</sup>	Neck Vel. (m/s)	2	2.5	3	3.5	4	4.5	5	
		Vel. Press (mmAq)	0.25	0.4	0.55	0.75	1.0	1.25	1.55
200 (0.0324)	CMH	233	292	350	408	467	525	583	
	Tot. Press (mmAq)	0.7	1.1	1.6	2.2	2.8	3.5	4.3	
	NC	-	-	-	23	26	29	33	
	Throw (m)	1 Way	1.1 - 3.2	1.6 - 4.1	2.2 - 4.6	2.6 - 5.6	3.2 - 6.5	3.6 - 7.0	4.1 - 7.5
		2 Way	0.8 - 2.6	1.1 - 3.2	1.6 - 3.7	2.2 - 4.6	2.6 - 5.3	2.9 - 6.0	3.2 - 6.5
3 Way		0.5 - 1.6	0.8 - 2.3	1.1 - 2.9	1.4 - 3.2	1.6 - 3.7	2.0 - 4.4	2.3 - 5.0	
4 Way		0.3 - 1.0	0.3 - 1.4	0.5 - 1.6	0.5 - 2.0	0.8 - 2.3	1.1 - 2.6	1.4 - 3.0	
250 (0.0507)	CMH	365	456	548	640	730	820	913	
	Tot. Press (mmAq)	0.9	1.4	2.0	2.7	3.5	4.4	5.5	
	NC	-	-	30	25	29	30	35	
	Throw (m)	1 Way	2.0 - 4.4	2.5 - 5.6	3.2 - 6.8	3.7 - 8.1	4.4 - 8.9	5.0 - 9.7	5.6 - 10.4
		2 Way	1.4 - 3.5	2.0 - 4.4	2.6 - 5.6	3.2 - 6.5	3.5 - 7.5	3.9 - 8.4	4.4 - 9.2
3 Way		0.8 - 2.6	1.4 - 3.2	2.0 - 4.1	2.3 - 4.7	2.6 - 5.3	2.9 - 6.0	3.2 - 6.8	
4 Way		0.3 - 1.4	0.5 - 2.0	0.8 - 2.2	1.1 - 2.8	1.4 - 3.2	1.7 - 3.7	2.0 - 4.1	

### ■ Performance Data for PD 560 X 560

Neck Size mm Neck Area m <sup>2</sup>	Neck Vel. (m/s)	2	2.5	3	3.5	4	4.5	5	
		Vel. Press (mmAq)	0.25	0.4	0.55	0.75	1.0	1.25	1.55
300 (0.0731)	CMH	526	658	790	920	1052	1185	1315	
	Tot. Press (mmAq)	1.1	1.7	2.4	3.3	4.3	5.4	6.6	
	NC	21	26	30	34	38	42	46	
	Throw (m)	1 Way	2.6 - 5.6	3.5 - 7.1	4.1 - 8.6	5.0 - 9.9	5.6 - 11.5	6.3 - 12.6	7.1 - 13.5
		2 Way	2.0 - 4.6	2.9 - 5.8	3.5 - 7.1	4.1 - 8.3	4.6 - 9.5	5.3 - 10.7	5.8 - 11.9
3 Way		1.4 - 3.5	2.0 - 4.4	2.6 - 5.2	2.8 - 6.1	3.5 - 7.1	3.9 - 8.1	4.4 - 8.9	
4 Way		0.5 - 2.0	0.8 - 2.6	1.4 - 3.2	1.7 - 3.7	2.0 - 4.1	2.3 - 4.6	2.6 - 5.2	
350 (0.0979)	CMH	705	881	1057	1234	1410	1585	1762	
	Tot. Press (mmAq)	1.3	2.0	2.7	3.8	4.9	6.3	7.6	
	NC	22	28	33	36	40	46	49	
	Throw (m)	1 Way	3.5 - 7.1	4.4 - 8.9	5.3 - 11.0	6.2 - 12.8	7.1 - 14.7	8.1 - 16.0	9.0 - 16.8
		2 Way	2.9 - 5.8	3.5 - 7.5	4.4 - 8.9	5.0 - 10.4	5.8 - 11.8	6.6 - 13.6	7.5 - 14.7
3 Way		2.0 - 4.1	2.6 - 5.3	3.2 - 6.5	3.7 - 7.7	4.1 - 8.6	4.7 - 10.0	5.3 - 11.0	
4 Way		0.8 - 2.6	1.4 - 3.2	1.7 - 3.7	2.3 - 4.6	2.6 - 5.3	2.9 - 6.0	3.2 - 6.8	

- Throw is based on terminal velocities of 0.5 m/s-0.25 m/s respectively.
- NC value is based on a room absorption of 10 dB, re 10<sup>-12</sup> watts.
- Dash (-) in space indicates NC value less than 20.

- Ducted return data for PDC: Negative SP = Total Press. NC = Above Plus 2dB