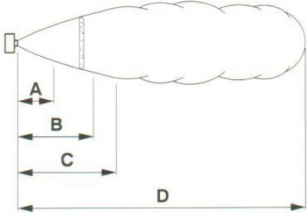


# Air Atomising Flat Spray

## External mix



A = 15 cm  
B = 25 cm  
C = 40 cm

Atomisation can be controlled by varying the air pressure without changing liquid capacity. This nozzle is recommended to spray viscous liquids. Spray widths are shown at various distances.

Spray Set up	Pressure (H2O)															Spray Dimensions					
	0.2 Bar			0.3 Bar			0.7 Bar			1.5 Bar			3 Bar								
	Air Pres.	Air l/min	H2O l/h	Air Pres.	Air l/min	H2O l/h	Air Pres.	Air l/min	H2O l/h	Air Pres.	Air l/min	H2O l/h	Air Pres.	Air l/min	H2O l/h	Air bar	H2O l/h	A cm	B cm	C cm	D cm
B1 - P41	0.35	22	2.8	0.35	22	3.5	0.4	25	5.3	0.6	28	7.8	0.7	34	11.0	0.6	0.7	23	30	40	1.8
	0.4	25		0.4	25		0.6	28		0.7	34		0.6	1.5		28	35	46	1.8		
	0.5	27.5		0.6	28		0.7	34		1.1	45		1.4	25.0		28	35	48	2.6		
	0.6	28		0.7	34		0.85	40		1.4	54		2.5	79		1.1	2.0	28	35	48	2.6
B2 - P41	0.35	22	4.5	0.35	22	5.5	0.6	28	8.3	0.7	34	12.2	1.4	45	17.2	1.1	0.7	30	38	48	2.1
	0.6	28		0.7	34		1.4	54		1.4	54		0.7	1.5		38	46	58	1.8		
	0.7	34		1.1	45		1.4	54		2.1	71		2.1	71		2.5	1.5	33	40	51	3.0
	1.1	45		1.4	54		2.1	71		2.5	79		2.5	79		1.8	2.0	38	46	58	2.7
B3 - P41	0.4	25	8.5	0.4	25	10.4	0.4	25	15.9	0.7	34	23	1.4	54	33	0.6	0.7	35	48	63	1.5
	0.5	27.5		0.6	28		0.6	28		0.85	40		1.8	62		0.7	1.35	38	48	63	1.8
	0.6	28		0.65	31		0.7	34		1.1	45		2.1	71		1.4	1.5	43	53	66	2.4
	0.7	34		0.7	34		0.85	40		1.4	54		2.5	79		1.8	2.0	41	51	69	2.7
B4 - P42	0.6	91	13.4	0.7	102	16.4	1.4	156	25	2.1	210	37	3.2	285	52	2.1	0.7	33	40	56	4.3
	0.7	102		1.1	130		2.1	210		2.8	260		4.2	360		2.1	1.5	35	46	58	4.0
	1.1	130		1.8	184		2.5	235		3.5	310		5.3	430		4.2	1.5	38	48	64	5.2
	1.4	156		2.1	210		2.8	260		4.2	360		5.6	455		3.9	2.0	41	51	69	4.6
B5 - P42	0.6	91	17.6	0.7	102	22	1.1	130	33	2.5	235	48	3.5	310	68	1.8	0.7	35	48	64	3.0
	1.1	130		1.4	156		1.8	184		3.2	285		4.6	380		2.5	1.5	38	46	64	3.8
	1.4	156		1.8	184		2.5	235		3.9	330		6.0	475		4.2	1.5	30	43	58	4.9
	1.8	184		2.1	210		2.8	260		4.2	360		6.7	525		4.2	2.0	33	43	61	5.2
B6 - P42	0.7	102	36	1.1	130	45	1.8	184	68	3.2	285	100	5.3	340	141	2.8	0.7	46	58	81	4.0
	1.1	130		1.4	156		2.1	210		3.5	310		6.0	475		3.2	1.5	48	58	79	4.3
	1.4	156		2.1	210		2.8	260		4.9	405		6.7	525		5.6	1.5	38	51	66	5.8
	1.8	184		2.5	235		3.2	285		5.6	455		7.0	550		3.9	2.0	48	64	84	4.3
B7 - P43	1.8	235	36	1.8	235	45	2.5	300	68	3.9	410	100	280	1.8	0.2	15	20	29	3.0		
	2.1	260		2.1	260		2.8	330		4.2	445			2.8	0.2	15	20	30	3.4		
	2.5	300		2.5	300		3.2	355		4.6	480			2.8	0.3	15	20	30	4.0		
	2.8	330		2.8	330		3.5	380		4.9	520			3.5	0.7	17	22	32	4.3		
	3.2	355		3.2	355		3.9	410		5.3	565			3.9	1.5	17	22	34	4.6		
	3.5	380		3.5	380		4.2	445		5.6	600			4.2	1.0	17	23	33	4.7		
	4.2	445		4.2	445		4.9	520		6.3	685			4.9	1.5	17	23	34	5.5		
B8 - P43	2.8	330	102	3.5	380	125	4.36	480	192	5.6	600	280	2.8	0.2	19	25	36	4.9			
	3.2	355		3.9	410		4.9	520		6.0	640		3.9	0.2	20	25	37	4.9			
	3.5	380		4.2	445		5.3	565		6.3	685		4.6	0.6	20	25	37	5.2			
	3.9	410		4.6	480		5.6	600					5.3	0.7	22	27	38	5.5			
	4.2	445		4.9	520		6.0	640					5.6	1.0	22	27	41	5.5			
	4.6	480		5.3	565		6.3	685					5.6	1.5	22	27	41	5.8			
	4.9	520		5.6	600								6.2	1.5	22	27	41	6.1			



# Air Atomising Flat Spray Nozzle Under Pressure External Mix



Spray Set up	Pressure (H2O)															Spray Dimensions					
	0.2 Bar			0.3 Bar			0.7 Bar			1.5 Bar			3 Bar								
	Air Pres	Air l/min	H2O l/h	Air Pres.	Air l/min	H2O l/h	Air Pres.	Air l/min	H2O l/h	Air Pres.	Air l/min	H2O l/h	Air Pres.	Air l/min	H2O l/h	Air bar	H2O l/h	A cm	B cm	C cm	D cm
B1 - P44	0.20	25.2	28	3.5	26.3	3.5	0.70	31.2	5.3	1.4	45.3	7.8	2.8	73.6	11.0	0.20	0.20	9.0	15.0	23	0.90
	0.35	256.3		0.70	31.2		1.05	39.6		1.75	53.8		3.5	85		1.05	0.20	9.0	15.0	23	1.2
	0.70	31.2		1.05	39.6		1.4	45.3		2.1	59.5		4.2	102		1.4	0.35	10.0	15.0	23	1.2
	1.05	39.6		1.4	45.3		1.75	53.8		2.8	73.6		4.9	119		1.4	1.4	11.5	18.0	25	1.5
	1.4	45.3		1.75	53.8		2.1	59.4		3.5	85		5.3	127.5		1.75	0.70	11.5	15.0	24	1.5
	1.75	53.8		2.1	59.4		2.8	73.6		4.2	102		5.6	139		2.8	1.4	13.0	18.0	28	1.8
	2.1	59.4		2.8	73.6		3.5	85		5.69	139		56.3	159		4.9	2.8	15.0	18.0	24	2.4
B2 - P44	0.35	26.3	4.5	0.70	31.2	5.5	1.05	39.6	8.3	1.75	53.8	12.2	3.15	82	16.6	0.35	0.20	7.5	14.0	22	1.0
	0.70	31.2		1.05	39.6		1.34	45.3		2.1	59.4		3.5	85		1.4	0.20	9.0	15.0	22	1.7
	1.05	39.6		1.4	45.3		1.75	53.8		2.38	73.6		4.2	102		1.75	0.35	10.0	16.5	23	1.8
	1.4	45.3		1.75	53.8		2.1	59.4		3.5	85		4.9	1189		1.75	1.7	13.0	19.0	29	2.1
	1.75	53.8		2.1	59.4		2.8	73.6		4.2	102		5.25	127		2.1	0.70	13.0	18.0	25	1.8
	2.1	59.4		2.8	73.6		3.5	85		4.9	119		6.3	159		3.5	1.4	13.0	22	30	2.4
	2.8	73.6		3.5	85		4.2	102		6.3	159		6.7	164		5.3	2.8	15.0	19.0	25	3.0
B3 - P44	0.70	31.2	8.5	1.05	39.6	10.4	1.4	45.3	15.9	2.5	68	23	3.5	85	33	0.70	0.20	13.0	16.5	25	1.2
	1.05	39.6		1.4	45.3		1.75	53.8		2.8	73.6		4.2	102		1.75	0.20	13.0	16.5	25	1.8
	1.4	45.3		1.75	53.8		2.1	59.4		3.5	85		4.9	119		2.1	0.35	13.0	18.0	24	1.8
	1.75	53.8		2.1	59.4		2.8	73.6		4.2	102		5.3	127		2.5	1.4	14.0	20	32	1.8
	2.1	59.4		2.8	73.6		3.5	85.0		4.9	119		5.6	139		2.8	0.70	14.0	19.0	30	2.3
	2.8	73.6		3.5	85		4.2	102		5.6	139		6.3	159		4.2	1.4	14.0	20	36	3.0
	3.5	85		4.2	102		4.9	119		6.3	159		7.0	176		5.3	2.8	16.5	20	30	4.0
B4 - P45	0.70	85	13.4	1.0	102	16.4	1.4	116	25	2.5	178	37	3.2	212	52	0.70	0.20	13.0	19.0	25	1.7
	1.0	102		1.4	116		1.8	139		2.8	195		3.5	232		1.8	0.20	13.0	19.0	25	2.7
	1.4	116		1.8	139		2.1	156		3.5	227		3.9	255		2.1	0.35	15.0	19.0	28	3.0
	1.8	139		2.1	156		2.5	178		4.2	266		4.2	275		2.5	0.70	15.0	22	28	3.5
	2.1	156		2.8	195		2.8	195		4.9	312		4.9	314		2.5	1.4	16.5	23	36	3.7
	2.8	195		3.5	227		3.5	227		5.6	360		5.6	360		4.2	1.4	16.5	23	37	4.3
	3.5	227		4.2	266		4.2	266		6.3	411		6.3	411		4.9	2.8	16.5	22	32	4.9
B5 - P45	0.70	85	17.6	1.4	116	22	1.38	139	33	2.8	195	48	3.5	232	68	0.70	0.35	15.0	19.0	27	2.1
	1.0	102		1.8	139		2.1	156		3.2	212		4.2	275		1.80	0.70	15.0	19.0	27	3.0
	1.4	116		2.1	156		2.5	178		3.5	227		4.9	314		2.5	1.4	15.0	22	33	3.4
	1.8	139		2.5	178		2.8	195		4.2	266		5.3	340		2.8	1.4	15.0	22	36	3.8
	2.1	156		2.8	195		3.5	227		4.9	312		5.6	360		2.8	1.4	16.5	25	37	4.0
	2.8	195		3.5	227		4.2	266		5.6	360		6.3	411		4.2	2.1	16.5	25	37	4.9
	3.5	227		3.5	266		4.9	312		6.3	411		6.6	428		5.3	2.8	18.0	23	36	5.8
B7 - P45	1.0	102	36	1.8	139	45	2.5	178	68	3.2	212	100	3.9	255	141	1.0	0.20	15.0	20	25	2.7
	1.4	116		2.1	156		2.8	195		3.5	227		4.2	275		2.1	0.20	15.0	22	29	3.0
	1.8	139		2.5	178		3.2	212		3.9	246		4.6	297		2.8	0.35	18.0	24	36	3.5
	2.1	156		2.8	195		3.5	227		4.2	366		4.9	314		3.2	1.4	20	28	39	3.7
	2.5	178		3.2	212		4.25	266		4.9	312		5.6	360		3.5	0.70	19.0	27	38	4.0
	2.8	195		3.5	227		4.9	312		5.6	360		6.3	411		4.2	1.4	20	28	39	4.3
	3.5	227		4.2	266		5.6	306		6.3	411		7.0	453		5.6	2.8	18.0	24	38	5.9

