



FLAT SPRAY

**SPRAY CHARACTERISTICS:**

ABO Series air blow-off nozzles project a flat fan-shaped curtain of gas in a direction parallel to the axis of the nozzle body. Gases most commonly used are air and steam. ABO nozzles are designed with large maximum free passage sizes to reduce clogging and minimize the effects of minor tip damage.

**CONSTRUCTION:**

ABO assemblies comprise a body, a retaining cap and a nozzle tip. Standard materials are brass, 303 stainless steel and 316 stainless steel. Other materials are available on request.

**SPECIAL FEATURES:**

- Large maximum free passage
- Wider, more uniform coverage
- Easy assembly/disassembly and cleaning

**TYPICAL APPLICATIONS:**

- Cooling of Components/Parts
- Debris Removal
- Cleaning and Drying of Parts
- Small Gas Curtains

**DIMENSIONS**

MODEL NUMBER	PIPE SIZE (BSPT)	OVERALL LENGTH (L) (mm)
1/8 ABO	1/8	45.0
1/4 ABO	1/4	46.5
3/8 ABO	3/8	48.3

MODEL NUMBER	SLOT WIDTH (mm)	AIR CAPACITY (L/min)				STEAM CAPACITY (kg/hr)				DISTANCE FROM NOZZLE (cm)	APPROX. WIDTH OF AIR COVERAGE (cm)						
		0.7 bar	1.5 bar	4 bar	6 bar	0.7 bar	1.5 bar	4 bar	6 bar		0.3 bar	0.7 bar	1.5 bar	3 bar	4 bar	5 bar	6 bar
ABO16	0.41	1.70	31	67	74	0.54	1.04	2.2	3.1	5	13	13	15	20	23	25	25
										10	18	20	23	30	36	41	41
										15	23	25	28	41	48	56	58
										25	25	33	38	53	64	71	74
										51	30	41	51	81	89	99	102
ABO20	0.51	40	57	121	134	1.32	2.0	4.3	6.0	5	13	15	18	23	25	28	28
										10	20	25	30	33	41	43	43
										15	25	33	41	43	53	61	61
										25	38	51	61	64	74	76	76
										51	61	71	79	84	97	104	107
ABO28	0.71	65	99	212	235	2.3	3.6	7.5	10.5	5	15	15	15	23	28	30	36
										10	20	23	23	36	14	46	58
										15	25	30	30	46	53	64	74
										25	38	43	46	66	74	86	94
										51	61	74	76	97	112	122	130
ABO40	1.02	119	170	364	403	4.1	5.9	12.4	17.3	5	18	20	20	28	28	30	30
										10	28	28	30	43	46	56	56
										15	33	33	41	58	61	74	76
										25	38	43	58	79	81	97	107
										51	56	71	102	114	117	127	140
ABO51	1.30	201	312	668	739	7.3	10.9	22.8	32.0	5	221	23	25	33	36	41	58
										10	30	38	41	53	61	71	81
										15	41	51	56	71	86	97	109
										25	61	74	76	102	117	124	135
										51	91	104	109	140	157	157	160
ABO72	1.83	368	538	1153	1277	12.3	20	40.9	57.3	5	18	23	30	41	51	56	58
										10	28	33	38	64	56	91	94
										15	36	43	48	86	104	114	119
										25	51	61	66	114	140	124	157
										51	84	99	104	140	178	188	193