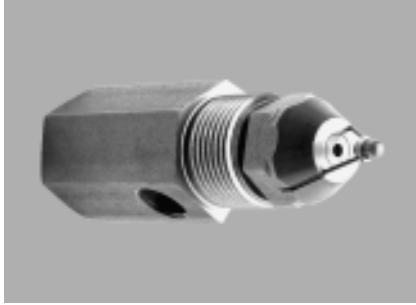


SPECIAL PURPOSE PRODUCTS

ULTRASONIC NOZZLES

Air-assisted ultrasonic nozzles produce a fine spray with a relatively narrow distribution of drop sizes. The intense sound pressure prevents the accumulation of foreign matter at the orifice. They are principally used in humidification systems.



The MA series of ultrasonic nozzles produces the finest spray available using air-assisted atomizing technology. The spray pattern is a full cone spray with a 15° angle.

Since liquid and air are ejected from different orifices, satisfactory operation can be achieved over a wide range of pressures and flow rates. See page 50 for further details and for information on the availability of unique electronically operated ultrasonic nozzles.

Atomizing heads are normally assembled on one of the body styles shown below.

Connection: Female thread Materials: Head: 303 stainless steel (B1)
Body: 303 stainless steel (B)
Brass (A)

HEAD CODE	AIR PRESSURE (psi)										
		7		10		14		28		42	
		LF	A	LF	A	LF	A	LF	A	LF	A
MAD 0330	28	1.6	1.8	1.9	1.8	2.4	1.8	4.3	1.6	-	-
	42	0.8	2.2	1.6	1.8	1.9	2.1	3.2	2.2	5.1	1.7
	56	0.3	2.8	0.8	2.8	1.3	2.6	2.9	2.6	4.0	2.5
	70	-	-	0.3	3.1	0.8	3.2	2.1	3.3	3.5	3.1
	84	-	-	-	-	0.3	3.6	1.9	3.5	2.9	3.5
MAD 0801	28	3.7	1.6	4.4	1.7	5.9	1.6	8.3	1.3	-	-
	42	3.5	2.2	4.3	2.1	5.1	2.1	8.2	1.9	13.0	1.6
	56	2.9	2.7	3.5	2.6	4.4	2.7	7.1	2.8	9.8	2.8
	70	1.9	3.2	2.9	3.2	4.0	3.3	6.4	3.2	8.4	3.2
	84	1.1	3.7	2.0	3.7	3.5	3.7	5.6	3.7	7.9	3.7
MAD 1131	28	7.9	4.4	9.5	3.9	11.6	4.1	18.3	3.4	-	-
	42	6.4	5.7	7.9	5.7	10.3	5.6	15.2	5.5	21.4	4.7
	56	4.3	6.9	5.9	7.1	8.7	7.0	14.8	7.2	19.0	6.9
	70	2.1	8.3	3.7	8.2	6.0	8.3	13.8	8.4	18.3	8.3
	84	1.1	11.1	2.1	11.1	4.3	11.2	11.4	11.3	17.5	11.3
MAL 0800	28	2.9	1.6	3.6	1.6	5.1	1.7	11.6	1.2	-	-
	42	2.4	2.2	2.9	2.3	4.0	2.1	7.9	2.2	13.5	1.6
	56	1.6	2.7	2.7	2.8	3.5	2.9	5.2	2.9	8.4	2.6
	70	0.5	3.2	1.6	3.4	2.9	3.2	4.8	3.2	7.1	3.1
	84	-	-	0.5	3.7	1.9	3.7	4.3	3.7	6.0	3.8
MAL 1130	28	7.3	4.3	8.3	4.3	10.8	4.1	17.9	3.4	-	-
	42	6.0	5.7	7.5	5.8	10.3	6.1	15.1	5.6	20.2	4.6
	56	3.6	7.0	5.6	7.0	7.9	7.1	14.0	7.2	18.3	7.0
	70	2.1	8.0	3.7	8.3	5.9	8.3	13.0	8.4	17.5	8.4
	84	1.1	9.5	2.1	9.6	4.3	9.7	10.0	9.7	16.3	9.7
MAL 1300	28	15.1	8.7	17.8	9.8	22.2	9.7	38.4	6.2	-	-
	42	12.7	11.5	15.9	11.9	20.0	13.2	30.2	11.4	45.6	8.6
	56	9.5	14.7	12.7	14.7	17.1	14.9	28.6	14.9	38.1	13.9
	70	6.7	17.8	9.5	18.1	14.3	17.8	27.0	18.2	36.0	17.8
	84	3.6	21.2	6.3	21.4	10.6	21.2	24.6	21.5	34.1	20.9

L = LIQUID FLOW RATE (gph)
A = AIR FLOW RATE (scfm)

How to completely specify a nozzle code

The MAX codes in the left column of the table refer to the atomizing head only. To complete the specification, add the code for the body onto which the head is attached (B1) and the letter codes indicating the material and style of the body. Be sure to include the letter 'N' in the specification.

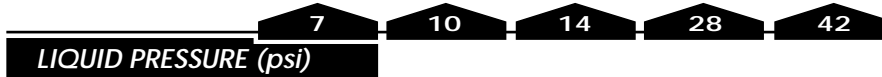
MAD 0801 B1 B N C

Body material

A = BRASS
B = 303 STAINLESS STEEL

Body style

A = XMA 0103 SN
B = XMA 0101 SN
C = XMA 0102 SN
D = XMA 0100 SN



There are four (4) styles of adapter bodies available. The most commonly used is style A, which has both the liquid and air feed ports on the side of the body.

The part code for the adapter and the part number for the lock nut are required in order to specify a complete assembly. (See the table at the right above.)

