

INLET SIDE

OUTLET SIDE



## M7S Series Cluster Nozzle Assembly

### PRODUCT DESCRIPTION:

The M7S series cluster nozzle uses an array of seven (7) GS style full-cone spray nozzle caps mounted on a cluster nozzle body to produce a full-cone spray. Multiple full-cone spray nozzle caps produce a relatively small droplet size for large flow rates and are less susceptible to clogging. Nozzle caps are easily removed for cleaning or nozzle change-out.

### CONSTRUCTION:

Standard cluster nozzle body and cap materials are brass, 303 stainless steel and 316 stainless steel. Other body and cap materials are available upon request.

U.S. Patent No. 4,142,682  
Canadian Patent No. 1,050,589

### TYPICAL APPLICATIONS:

- Chemical Processing
- Cooling Sprays
- Stack Gas Scrubbers

Model	CAPACITY AT VARIOUS PRESSURES (USGPM)						
	20 psi	40 psi	60 psi	80 psi	100 psi	125 psi	150 psi
¾M7S1	1.00	1.41	1.73	2.00	2.24	2.50	2.74
¾M7S1.5	1.50	2.12	2.60	3.00	3.4	3.8	4.1
¾M7S2	2.00	2.83	3.5	4.0	4.5	5.0	5.5
¾M7S3	3.00	4.2	5.2	6.0	6.7	7.5	8.2
¾M7S3.5	3.5	4.9	6.1	7.0	7.8	8.8	9.6
¾M7S5	5.0	7.1	8.7	10.0	11.2	12.5	13.7
1M7S6.5	6.5	9.2	11.3	13.0	14.5	16.2	17.8
1M7S7.5	7.5	10.6	13.0	15.0	16.8	18.8	20.5
1M7S10	10.0	14.1	17.3	20.0	22.4	25.0	27.4
1-½M7S9.5	9.5	13.4	16.5	19.0	21.2	23.8	26.0
1-½M7S15	15.0	21.2	26.0	30.0	34	38	41
1-½M7S16	16.0	22.6	27.7	32	36	40	44
1-½M7S20	20.0	28.3	35	40	45	50	55
1-½M7S22	22.0	31.1	38	44	49	55	60
1-½M7S25	25.0	35	43	50	56	62	68
1-½M7S32	32	45	55	64	72	80	88
1-½M7S40	40	57	69	80	89	100	110

### DIMENSIONS

NOZZLE TYPE	Dim. A	Dim. L
¾M7S	2.4	2.1
1M7S	2.9	2.5
1½M7S	4.1	3.4

