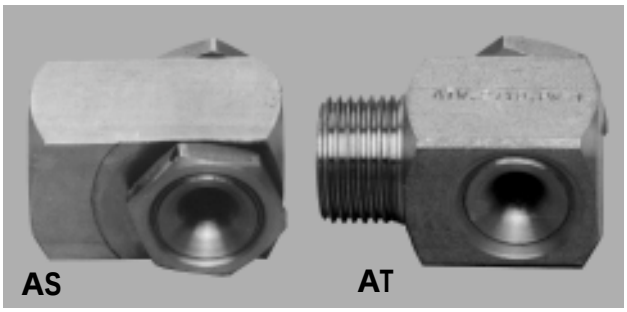
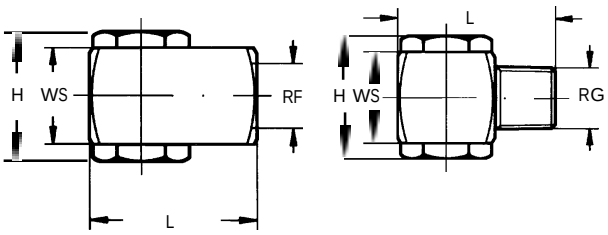
AS/AT

FULL-CONE NOZZLES

VANELESS OFF-LINE





AS/AT nozzles have free internal passages due to the absence of an insert and produce a full-cone spray of drops with high impact.

The spray is directed at a right angle to the nozzle feed pipe. Typical applications include washing processes, filter screen cleaning and de-mister profiles.

Connection: AS (female thread)
AT (male thread)

Materials: Brass (T1)
303 stainless steel (B1)
316 stainless steel (B3)

	Nozzle code			RF/RG	D	D1	Flow rates (gpm) at various pressures (psi)							Dimensions		
	ASQ	ATQ					10	20	30	40	60	80	100	L	H	WS
60°	•	•	1230 xx SN	1/8"	0.087	0.083	0.29	0.42	0.51	0.59	0.72	0.83	0.93	61/64"	27/32"	19/32"
	•	•	1310 xx SN		0.094	0.087	0.40	0.56	0.69	0.79	0.97	1.1	1.3			
	•	•	1370 xx SN		0.102	0.098	0.47	0.67	0.82	0.94	1.2	1.3	1.5			
	•	•	1390 xx SN	1/4"	0.106	0.102	0.50	0.70	0.86	1.0	1.2	1.4	1.6	111/32"	63/64"	25/32"
	•	•	1490 xx SN		0.114	0.114	0.63	0.88	1.1	1.3	1.5	1.8	2.0			
	•	•	1740 xx SN		0.130	0.126	0.94	1.3	1.6	1.9	2.3	2.7	3.0			
	•	•	2110 xx SN	3/8"	0.173	0.169	1.4	2.0	2.5	2.8	3.5	4.1	4.5	111/32"	11/16"	25/32"
	ASU	ATU														
90°	•	•	1230 xx SN	1/8"	0.087	0.083	0.29	0.42	0.51	0.59	0.72	0.83	0.93	61/64"	27/32"	19/32"
	•	•	1310 xx SN		0.094	0.087	0.40	0.56	0.69	0.79	0.97	1.1	1.3			
	•	•	1370 xx SN		0.102	0.098	0.47	0.67	0.82	0.94	1.2	1.3	1.5			
	•	•	1390 xx SN	1/4"	0.106	0.102	0.50	0.70	0.86	1.0	1.2	1.4	1.6	111/32"	63/64"	25/32"
	•	•	1490 xx SN		0.114	0.114	0.63	0.88	1.1	1.3	1.5	1.8	1.98			
	•	•	1740 xx SN		0.130	0.126	0.94	1.3	1.6	1.9	2.3	2.7	2.99			
	•	•	1391 xx SN	3/8"	0.106	0.102	0.50	0.71	0.86	1.0	1.2	1.4	1.6	111/32"	11/16"	25/32"
	•	•	1780 xx SN		0.142	0.138	1.0	1.4	1.7	2.0	2.4	2.8	3.1			
	•	•	2110 xx SN		0.173	0.169	1.4	2.0	2.4	2.8	3.4	4.0	4.4			
	•	•	2153 xx SN		0.205	0.197	2.0	2.8	3.4	3.9	4.8	5.5	6.2			
	•	•	2245 xx SN	1/2"	0.291	0.287	3.1	4.4	5.4	6.3	7.7	8.8	9.9	111/32"	117/64"	1"
	•	•	2315 xx SN		0.319	0.315	4.0	5.7	7.0	8.0	9.8	11.4	12.7			
	•	•	2420 xx SN	1"	0.374	0.374	5.4	7.6	9.3	10.7	13.1	15.2	17.0	211/32"	157/64"	121/32"
	•	•	2870 xx SN		0.623	0.453	11.0	15.7	19.2	22.2	27.2	31.4	35.1			
	ASW	ATW														
120°	•	•	1490 xx SN	1/4"	0.114	0.114	0.63	0.88	1.1	1.3	1.5	1.8	2.0	111/32"	63/64"	25/32"
	•	•	1740 xx SN		0.130	0.126	0.94	1.3	1.6	1.9	2.3	2.7	3.0			
	•	•	1621 xx SN	3/8"	0.126	0.122	0.79	1.1	1.4	1.6	1.9	2.2	2.5	111/32"	11/16"	25/32"
	•	•	1780 xx SN		0.142	0.138	1.0	1.4	1.7	2.0	2.4	2.8	3.1			
	•	•	1980 xx SN		0.150	0.142	1.3	1.8	2.2	2.5	3.1	3.5	4.0			
	•	•	2110 xx SN		0.173	0.169	1.4	2.0	2.4	2.8	3.4	4.0	4.4			
	•	•	2153 xx SN		0.209	0.200	2.0	2.8	3.4	3.9	4.8	5.5	6.2			
	•	•	2245 xx SN	1/2"	0.291	0.287	3.1	4.4	5.4	6.3	7.7	8.8	9.9	111/32"	117/64"	63/64"
	•	•	2315 xx SN		0.319	0.315	4.0	5.7	7.0	8.0	9.8	11.4	12.7			
	•	•	2770 xx SN	3/4"	0.551	0.425	9.8	13.9	17.0	19.7	24.1	27.8	31.1	29/32"	21/4"	13/8"
	•	•	2420 xx SN	1"	0.374	0.374	5.4	7.6	9.3	10.7	13.1	15.2	17.0	211/32"	157/64"	121/32"
	•	•	2870 xx SN		0.623	0.453	11.0	15.7	19.2	22.2	27.2	31.4	35.1			