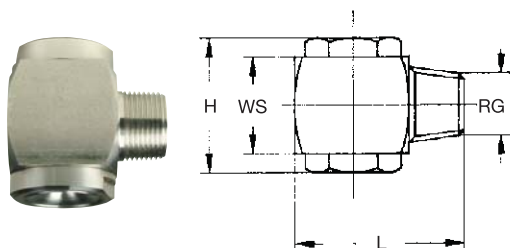


## FULL CONE NOZZLES

### AT



#### VANELESS - OFF LINE

These nozzles produce a full cone spray pattern without any vane present inside the whirl-chamber and with the spray pattern being tangential to the axis of the nozzle feed inlet. Free internal passages mean there they are less prone to clogging. The nozzles also produce coarse droplets that are well distributed over the spray area offering a stable spray angle through a wide range of inlet pressure values. The coarse droplets are also quite resistant to wind drift.

**Materials** B31 AISI 316L Stainless steel  
T1 Brass  
Plastic materials on request

This type of nozzle is often manufactured in small quantities, special materials and non-standard specifications, and is usually not available from stock. Please check with our offices for delivery time about the nozzles you require.

Code	RG inch	D mm	D1 mm	Capacity at different pressure values							lpm bar	H mm	L mm	WS mm	
				1.0	2.0	3.0	4.0	5.0	6.0	7.0					
60°	ATQ 1390 xx ATQ 1740 xx	1/4	2.4 3.3	2.2 3.2	2.25 4.27	3.18 6.04	3.90 7.40	4.50 8.54	5.03 9.55	5.52 10.5	5.96 11.3	25	34	20	
90°	ATU 1230 xx	1/8	2.1	1.8	1.33	1.88	2.30	2.66	2.97	3.25	3.51	22	24	15	
	ATU 1390 xx ATU 1490 xx	1/4	2.5 3.0	2.1 2.1	2.25 2.83	3.18 4.00	3.90 4.90	4.50 5.66	5.03 6.33	5.52 6.93	5.96 7.48	25	34	20	
	ATU 1621 xx ATU 1740 xx ATU 1780 xx ATU 2110 xx ATU 2153 xx ATU 2196 xx	3/8	3.5 3.3 5.0 5.1 5.3 6.6	3.2 3.2 3.4 4.3 5.2 5.6	3.58 4.27 4.50 6.35 8.80 11.3	5.06 6.04 6.37 8.98 12.5 16.0	6.20 7.40 7.80 11.0 15.3 19.6	7.16 8.54 9.00 12.7 17.7 22.6	8.00 9.55 10.1 14.2 19.8 25.3	8.80 10.5 11.0 15.6 21.6 27.7	9.50 11.3 11.9 16.8 23.4 29.9	27	34	20	
	ATU 2245 xx ATU 2315 xx	1/2	8.7 8.7	5.5 6.5	14.1 18.2	20.0 25.7	24.5 31.5	28.3 36.4	31.6 40.7	34.6 44.5	37.4 48.1	38	48	30	
	ATU 2530 xx ATU 2770 xx	3/4	12.6 12.6	8.7 11.2	30.6 44.5	43.3 62.9	53.0 77.0	61.2 88.9	68.4 99.4	75.0 109	81.0 118	50	58	40	
	ATU 2420 xx ATU 2645 xx	1	9.2 10.3	9.8 10.3	24.2 37.2	34.3 52.7	42.0 64.5	48.5 74.5	54.2 83.3	59.4 91.2	64.2 98.5	48	61	42	
	120°	ATW 1310 xx	1/8	2.5	2.1	1.82	2.48	3.10	3.58	4.02	4.40	4.65	22	24	15
		ATW 1311 xx ATW 1490 xx	1/4	2.5 4.1	2.1 2.4	1.82 2.83	2.48 4.00	3.10 4.90	3.58 5.66	4.02 6.33	4.40 6.93	4.65 7.48	25	34	20
		ATW 1780 xx ATW 2110 xx ATW 2153 xx ATW 2196 xx	3/8	5.0 5.4 5.3 6.6	3.4 4.4 5.2 6.0	4.50 6.35 8.80 11.3	6.37 8.98 12.5 16.0	7.80 11.0 15.3 19.6	9.00 12.7 17.7 22.6	10.1 14.2 19.8 25.3	11.0 15.6 21.6 27.7	11.9 16.8 23.4 29.9	27	34	20
		ATW 2245 xx ATW 2315 xx	1/2	8.5 8.5	5.5 6.3	14.1 18.2	20.0 25.7	24.5 31.5	28.3 36.4	31.6 40.7	34.6 44.5	37.4 48.1	38	48	30
ATW 2480 xx ATW 2770 xx		3/4	12.6 14.0	7.8 10.7	27.7 44.5	39.2 62.9	48.0 77.0	55.4 88.9	62.0 99.4	67.9 109	73.3 118	56	59	40	
ATW 2420 xx ATW 2645 xx ATW 2870 xx ATW 3122 xx		1	9.5 12.8 16.0 18.0	8.0 9.2 11.5 14.0	24.2 37.2 50.2 70.4	34.3 52.7 71.0 99.6	42.0 64.5 87.0 122	48.5 74.5 100 141	54.2 83.3 112 157	59.4 91.2 123 175	64.2 98.5 133 186	48 58 61 66	61 68 68 76	42 40 45 50	

#### Common Applications

Profile washing in drop eliminators  
Rotary filter washing

#### Accessories

Swivel joints  
Line filters