

CLUSTER NOZZLE / STANDARD SPRAY ANGLE

CAS cluster nozzles have seven orifices, large spray capacities and produce very fine droplets using hydraulic pressure only. As the droplets size, among other factors, also depends on the nozzle size, these multi-orifice nozzles produce a finer spray than a standard full cone single-orifice nozzle working at the same pressure and delivering the same quantity of liquid. The surely are the best choice when fine mist effect and large spray capacity are required.

Typical applications

Cooling

cooling of high-temperature gas

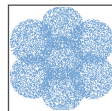
Fire control

watermist fire suppression systems

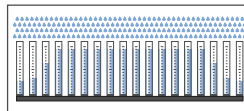
Other applications

exhaust gas treatment, dust control, wetting

Thread specification: BSP, NPT



Spray section



Even distribution

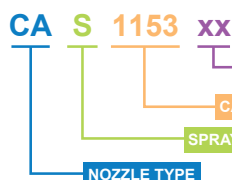


70°	Code	RF inch	D mm	D1 mm	Capacity at different pressure values (l/min) (bar)							Dimensions mm		
					0.7	1.0	1.5	2.0	3.0	5.0	10	NR	DIA	H
CAS 1153 xx	1/2"	0.9	0.5	0.74	0.88	1.08	1.25	1.53	1.98	2.79	7	50	33.5	
					1.8	1.58	1.94	2.24	2.74	3.54	5.00			
CAS 1343 xx	3/4"	1.1	1.0	1.66	1.98	2.43	2.80	3.43	4.43	6.26	7	72	43	
CAS 1551 xx		1.5	1.4	2.66	3.18	3.90	4.50	5.51	7.11	10.1				
CAS 1870 xx		2.1	2.0	4.20	5.02	6.15	7.10	8.70	11.2	15.9				
CAS 2116 xx		2.5	2.0	5.60	6.70	8.20	9.47	11.6	15.0	21.2				
CAS 2145 xx		3.0	2.0	7.00	8.37	10.3	11.8	14.5	18.7	26.5				
CAS 2184 xx		3.5	2.0	8.89	10.6	13.0	15.0	18.4	23.8	33.6				
CAS 2220 xx		4.0	2.0	10.6	12.7	15.6	18.0	22.0	28.4	40.2				
CAS 2342 xx		3.5	2.0	16.5	19.8	24.2	27.9	34.2	44.2	62.4				
CAS 2434 xx		4.0	2.0	21.0	25.1	30.7	35.4	43.4	56.0	79.2				
CAS 2551 xx		5.0	2.0	26.6	31.8	39.0	45.0	55.1	71.1	101				
CAS 2728 xx		6.0	2.0	35.2	42.0	51.5	59.4	72.8	94.0	133				
CAS 2385 xx	1"	5.0	2.5	18.6	22.2	27.2	31.4	38.5	49.7	70.3	7	140	74	
CAS 2489 xx		6.5	2.5	23.6	28.2	34.6	39.9	48.9	63.1	89.3				
CAS 2685 xx		8.0	2.5	33.1	39.6	48.4	55.9	68.5	88.4	125				
CAS 3130 xx	2"	9.0	5.0	62.8	75.1	91.9	106	130	168	237	7	185	103	
CAS 3184 xx		12.0	5.0	88.9	106	130	150	184	238	336				
CAS 3245 xx		15.0	5.0	118	142	173	200	245	316	447				

* NR - Number of orifices

HOW TO MAKE UP THE NOZZLE CODE

EX.: CAS 1153 B31



- B31 - AISI 316L Stainless steel
- B1 - AISI 304 Stainless steel
- T8 - Nickel plated brass
- T1 - Brass