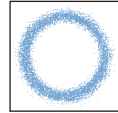


MOULDED PLASTIC NOZZLES

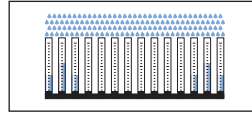
PN/PO series hollow cone nozzles made by plastic moulding, offer a high chemical resistance and low prices. They are tangential nozzles and produce a hollow cone spray of atomized droplets. As they have a large free passage and no swirling vane inside their body, they are highly clog-resistant. PN/PO nozzles are efficient, cost-effective and widely used in many processing lines. Moreover, they can be easily assembled in large quantity onto pipe manifolds.

■ **Thread specification**

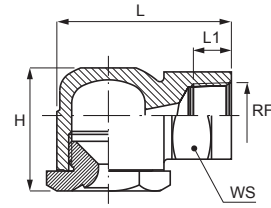
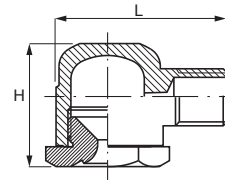
Male thread (PO series): BSPT
Female thread (PN series): BSP

■ **Max operation temperature: 90°C**

Spray section



Concave distribution

**PN - Female****PO - Male**

°	RF	PNS	POS	Code	DE	DU	Capacity at different pressure values								Dimensions			
	RG	Female	Male				(l/min) (bar)								H	L	L1	WS
70°	3/8"	•	•	1170	2.4	2.5	0.69	0.82	0.98	1.39	1.70	2.19	2.60	3.10	31	44	20	22
80°	3/8"	•	•	1260	2.7	3.3	1.06	1.26	1.50	2.12	2.60	3.36	3.97	4.75	31	44	20	22
90°	3/8"	•	•	1390	3.6	2.8	1.59	1.88	2.25	3.18	3.90	5.03	5.96	7.12	31	44	20	22
		•	•	1670	3.6	6.0	2.74	3.24	3.87	5.47	6.70	8.65	10.2	12.2				
		•	•	1850	4.4	5.2	3.47	4.11	4.91	6.94	8.50	11.0	13.0	15.5				
		•	•	2115	4.8	6.0	4.69	5.56	6.64	9.39	11.5	14.8	17.6	21.0				
		•	•	2220	6.4	9.1	8.98	10.6	12.7	18.0	22.0	28.4	33.6	40.2				
	1/2"	•		2320	6.4	13.1	13.1	15.5	18.5	26.1	32.0	41.3	48.9	58.4	42	55	35	30
		•		2398	9.1	11.1	16.2	19.2	23.0	32.5	39.8	51.4	60.8	72.7				
130°	3/8"	•	•	1170	2.0	2.5	0.69	0.82	0.98	1.39	1.70	2.19	2.60	3.10	31	44	20	22
		•	•	1260	2.0	3.2	1.06	1.26	1.50	2.12	2.60	3.36	3.97	4.75				
		•	•	1390	3.6	3.2	1.59	1.88	2.25	3.18	3.90	5.03	5.96	7.12				
		•	•	1460	3.6	4.0	1.88	2.22	2.66	3.76	4.60	5.94	7.03	8.40				
		•	•	1570	3.6	5.0	2.33	2.75	3.29	4.65	5.70	7.36	8.71	10.4				
		•	•	1670	3.6	6.0	2.74	3.24	3.87	5.47	6.70	8.65	10.2	12.2				
		•	•	1850	4.4	5.6	3.47	4.11	4.91	6.94	8.50	11.0	13.0	15.5				
		•	•	1980	4.4	6.0	4.00	4.73	5.66	8.00	9.80	12.7	15.0	17.9				
		•	•	2128	4.8	6.0	5.23	6.18	7.39	10.5	12.8	16.5	19.6	23.4				
		•	•	2208	6.4	7.1	8.49	10.0	12.0	17.0	20.8	26.9	31.8	38.0				
		•	•	2220	6.4	8.7	8.98	10.6	12.7	18.0	22.0	28.4	33.6	40.2				
	1/2"	•		2129	9.1	4.6	5.23	6.18	7.39	10.5	12.8	16.5	19.6	23.4	42	55	35	30
		•		2209	9.1	6.4	8.49	10.0	12.0	17.0	20.8	26.9	31.8	38.0				
		•		2221	9.1	7.1	8.98	10.6	12.7	18.0	22.0	28.4	33.6	40.2				
		•		2320	9.1	8.7	13.1	15.5	18.5	26.1	32.0	41.3	48.9	58.4				
		•	•	2420	9.1	10.3	17.1	20.3	24.2	34.3	42.0	54.2	64.2	76.7				

PO MALE THREAD NOZZLES

ZPB fastening clamps in plastic usually connect to 3/8" female threads. They are flexible, durable and low cost. Please see more on page 86.

TYPICAL APPLICATIONS

Washing: exhaust scrubbers, parts cleaning, pre-treatment in coating process, dust and foam control, filter spraying

Cooling: wire cooling, plastic pipe cooling

Other applications: humidification systems, etc.

**PN (Female) + ZPB Plastic pipe clamp****HOW TO MAKE UP THE NOZZLE CODE**

EX.: PNS 1170 D6

