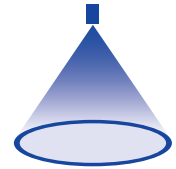


# ➤ Axial-flow hollow cone nozzles Series 2TR

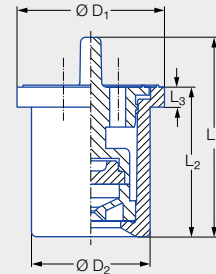


### Features:

- Fine, uniform atomization
- Assembly with retaining nut

### Applications:

- Sprinkling
- Adiabatic cooling
- Cooling
- Humidification of air



Series 2TR

Code	Dimensions [mm]					Weight [kg]
	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	Ø D <sub>1</sub>	Ø D <sub>2</sub>	
Assembly with retaining nut 3/8 BSPP	20.0	15.0	2.0	14.8	11.9	3.0

Spray angle	Ordering no.		Color	Bore diameter B [mm]	Narrowest free cross section Ø [mm]	V̇ water [l/min]						Spray diameter D [mm] (at p = 5 bar)
	Type	Mat. no.				p [bar]						
		C8				1.0	2.0	3.0	5.0	7.0	10.0	
		Housing: POM Insert: Ceramic										H = 250 [mm]
80°	2TR.245	●	Purple	0.65	0.55	–	0.16	0.20	<b>0.25</b>	0.30	0.36	220
	2TR.275	●	Black	0.80	0.70	0.16	0.22	0.27	<b>0.35</b>	0.41	0.49	260
	2TR.305	●	Orange	0.90	0.80	0.23	0.32	0.39	<b>0.51</b>	0.60	0.72	320
	2TR.345	●	Green	1.10	0.90	0.34	0.48	0.59	<b>0.76</b>	0.90	1.07	420
	2TR.365	●	Yellow	1.40	0.95	0.46	0.65	0.80	<b>1.03</b>	1.22	1.45	490
	2TR.405	●	Blue	1.70	1.10	0.69	0.97	1.19	<b>1.53</b>	1.81	2.17	530
	2TR.445	●	Red	2.00	1.20	0.89	1.26	1.55	<b>2.02</b>	2.37	2.83	550
	2TR.485	●	Brown	2.20	1.30	1.11	1.57	1.94	<b>2.50</b>	2.96	3.54	560

### Assembly example



Conversion formula for this series:  $\dot{V}_2 = \dot{V}_1 \cdot \sqrt{\frac{p_2}{p_1}}$

Ordering Type + Material no. = Ordering no.  
example: 2TR.245 + C8 = 2TR.245.C8

Assembly accessories can be found in Chapter 9 "Accessories".