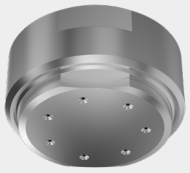
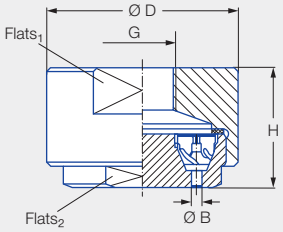
Cluster head nozzles
Series 502/503

Features:
- Fine, uniform atomization
- Stable spray angle
- Space-saving installation
- Maintenance-friendly design
- High temperature and chemical resistance

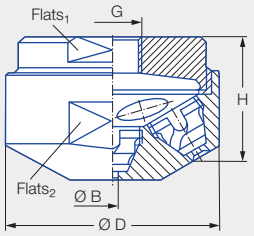
Applications:
- Chlorine precipitation
- Absorption
- Dust suppression
- Degassing of liquids
- Desuperheating



Series 502/503



70° version



130° version

70° version

G	Dimensions [mm]				Weight [g] (brass)
	H	Ø D	Flats$_1$	Flats$_2$	
1/2 BSPP	25.0	50.0	46	38	250.0
3/4 BSPP	46.0	75.0	65	55	870.0

130° version

G	Dimensions [mm]				Weight [g] (brass)
	H	Ø D	Flats$_1$	Flats$_2$	
1/2 BSPP	28.0	40.0	27	36	150.0
3/4 BSPP	53.0	60.0	50	55	410.0

Spray angle	Ordering no. Type	Mat. no. 17[1] Stainless steel 316Ti/ Stainless steel 316L	Mat. no. 30 Brass	BSPP	Bore diameter B [mm]	Narrowest free cross sections Ø [mm]	V̇ water [l/min] p [bar] 0.5	1.0	**2.0**	5.0	10.0	Spray diameter D [mm] (at p = 2 bar) H = 500 [mm]	H = 1,000 [mm]
70°	**502.445**		●	1/2	0.90	0.50	–	–	**1.25**	1.98	2.80	270	360
	502.985	●		3/4	3.30	2.00	14.00	19.80	**28.00**	44.27	62.61	610	1,000
	503.065	●		3/4	4.90	2.00	22.50	31.82	**45.00**	71.15	100.62	920	1,520
130°	**502.448**	●	●	1/2	0.90	0.50	–	–	**1.25**	1.98	2.80	310	370
	502.548	●	●	1/2	1.80	0.50	–	1.58	**2.24**	3.54	5.01	450	570
	502.748	●	●	3/4	1.90	1.90	3.55	5.02	**7.10**	11.23	15.88	1.110	1,400
	502.838	●	●	3/4	2.90	2.00	5.90	8.34	**11.80**	18.66	26.39	1,500	2,060
	502.908	●	●	3/4	4.00	2.00	9.00	12.73	**18.00**	28.46	40.25	1,770	2,650
	503.028	●	●	3/4	4.20	2.00	17.75	25.10	**35.50**	56.13	79.38	2,050	3,150
	503.118	●	●	3/4	6.50	2.00	30.00	42.43	**60.00**	94.87	134.16	2,300	3,550

[1] We reserve the right to supply material 316Ti or 316L under material no. 17.

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

Ordering example:	Type 502.445	+	Material no. 30	=	Ordering no. 502.445.30

Assembly accessories can be found in Chapter 9 “Accessories”.