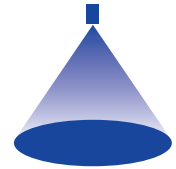


➤ Axial-flow full cone nozzles Series 405

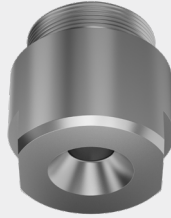


Features:

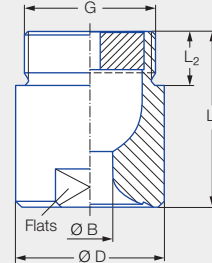
- Extremely uniform liquid distribution

Applications:


- Surface spraying
- Chemical process engineering
- Cleaning and washing processes
- Water treatment



Series 405




Connection	G	Dimensions [in]				Weight [lb] (brass)
		L ₁	L ₂	Ø D	Flats (mm)	
BP	1 1/4 NPT	1.97	0.75	1.93	41	1.1
BR	1 1/2 NPT	2.36	0.75	2.32	50	2.0
BV	2 NPT	3.07	0.94	2.68	60	3.5

Spray angle	Ordering number						Bore diameter B [in]	Narrowest free cross sections Ø [in]	V̇ water [gal/min]						Spray diameter D [in] (at p = 30 psi)		
	Type	Mat. no.		Connection					p [psi]						 H = 20 [in] H = 40 [in]		
		1Y	30	1 1/4 NPT	1 1/2 NPT	2 NPT											
		Stainless steel 316L	Brass						5	7	15	30	Liters per min. 2 bar	45	60		
60°	405.204	●	●	BP			0.44	0.23	13.08	14.96	20.29	26.78	100	31.49	35.33	24	45
	405.284	●	●		BR		0.56	0.28	20.92	23.94	32.47	42.84	160	50.38	56.53	25	48
	405.324	●	●			BV	0.65	0.30	26.15	29.92	40.58	53.55	200	62.98	70.66	26	49
	405.364	●	●			BV	0.72	0.33	32.69	37.40	50.73	66.94	250	78.72	88.32	26	49
	405.404	●				BV	0.79	0.28	41.19	47.12	63.92	84.34	315	99.19	111.29	26	49
90°	405.206	●	●	BP			0.47	0.20	13.08	14.96	20.29	26.78	100	31.49	35.33	44	83
	405.286	●	●		BR		0.60	0.24	20.92	23.94	32.47	42.84	160	50.38	56.53	44	83
	405.326	●				BV	0.68	0.30	26.15	29.92	40.58	53.55	200	62.98	70.66	44	83
	405.366	●				BV	0.77	0.34	32.69	37.40	50.73	66.94	250	78.72	88.32	44	83
	405.406	●	●			BV	0.87	0.37	41.19	47.12	63.92	84.34	315	99.19	111.29	44	83
120°	405.208	●	●	BP			0.50	0.20	13.08	14.96	20.29	26.78	100	31.49	35.33	73	120
	405.288	●	●		BR		0.63	0.26	20.92	23.94	32.47	42.84	160	50.38	56.53	75	124
	405.328	●				BV	0.70	0.31	26.15	29.92	40.58	53.55	200	62.98	70.66	75	126
	405.368	●	●			BV	0.79	0.35	32.69	37.40	50.73	66.94	250	78.72	88.32	75	126
	405.408	●	●			BV	0.88	0.36	41.19	47.12	63.92	84.34	315	99.19	111.29	75	126

Also available in BSPP metric thread.

Conversion formula for this series: $\dot{V}_2 = \dot{V}_1 \cdot \left(\frac{p_2}{p_1}\right)^{0.4}$
(≤ 10 bar)

Ordering Type + Material no. + Connection = Ordering no.
example: 405.204 + 1Y + BP = 405.204.1Y.BP

 Assembly accessories can be found in Chapter 12 "Accessories".