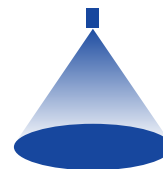


➤ Axial-flow full cone nozzles Series 403



Features:

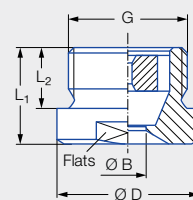
- Extremely uniform liquid distribution

Applications:

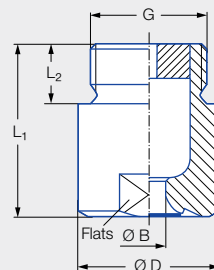
- Surface spraying
- Spraying over packings
- Chemical process engineering
- Cleaning and washing processes
- Cooling



Series 403



90° version



120° version

90° version

Type	G	Connection code	Dimensions [in]				Weight [lb]
			L ₁	L ₂	Ø D	Flats (mm)	
403.446/403.486	2 1/2 NPT	BY	2.05	1.06	3.27	75	2.87
403.526	3 NPT	MA	2.36	1.18	3.86	85	4.41
403.606	3 1/2 NPT	MC	2.76	1.26	4.65	105	7.94

120° version

Type	G	Connection code	Dimensions [in]				Weight [lb]
			L ₁	L ₂	Ø D	Flats (mm)	
403.448/403.488	2 1/2 NPT	BY	4.88	1.06	3.27	75	7.05
403.528	3 NPT	MA	6.02	1.18	3.86	85	11.91
403.608	3 1/2 NPT	MC	6.14	1.26	4.65	105	18.30
403.628	4 NPT	ME	6.50	1.42	5.04	110	21.16

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.			p [psi]									
		1Y												
		Stainless steel 316L												
					5	10	20	30	Liters per min. 2 bar	40	60	80	H = 20 [in]	H = 40 [in]
90°	403.446	●	5.6	2.7	52.30	69.01	91.06	107.10	400	120.16	141.32	158.55	39	70
	403.486	●	6.6	2.7	65.38	86.27	113.83	133.87	500	150.20	176.65	198.19	39	70
	403.526	●	7.2	3.1	82.38	108.70	143.43	168.68	630	189.25	222.58	249.72	39	70
	403.606	●	9.0	3.4	130.76	172.54	227.66	267.75	1,000	300.40	353.30	396.38	39	70
120°	403.448	●	5.7	2.2	52.30	69.01	91.06	107.10	400	120.16	141.32	158.55	67	115
	403.488	●	6.6	2.5	65.38	86.27	113.83	133.87	500	150.20	176.65	198.19	67	115
	403.528	●	7.2	3.4	82.38	108.70	143.43	168.68	630	189.25	222.58	249.72	67	115
	403.608	●	9.4	2.7	130.76	172.54	227.66	267.75	1,000	300.40	353.30	396.38	67	115
	403.628	●	10.1	3.4	163.45	215.67	284.58	334.69	1,250	375.50	441.62	495.48	67	115

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. = Ordering no.
example: 403.446 + 1Y = 403.446.1Y



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