



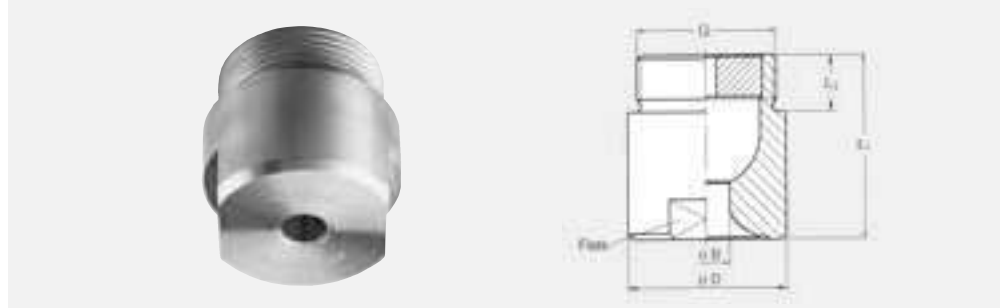
Axial-flow full cone nozzles Series 405



Very uniform spray pattern.



Applications:

Surface spraying, spraying over packings, cleaning and washing process, chemical process engineering, cooling of gaseous fluids and solids, water treatment.



Full cone nozzles

G	Dimensions [mm]				Weight Brass
	L ₁	L ₂	D	Flats	
1 1/4 BSPP	50	19	49	41	525 g
1 1/2 BSPP	60	19	59	50	920 g
2 BSPP	78	24	68	60	1,550 g

Spray angle 	Ordering no.						B Ø [mm]	E Ø [mm]	V̇ [l/min]						Spray diameter D at p = 2 bar 	
	Type	Mat. no.		Code					p [bar]						H = 0,5 m	H = 1 m
		1Y	30	1 1/4 BSPP	1 1/2 BSPP	2 BSPP			0.3	0.5	1.0	2.0	3.0	5.0		
60°	405.204	○	○	AP	-	-	11.20	5.80	47	57	76	100	118	144	560	1,040
	405.284	○	○	-	AR	-	14.30	7.00	75	92	121	160	188	231	580	1,080
	405.324	○	○	-	-	AV	16.40	7.50	94	115	152	200	235	289	580	1,080
	405.364	○	○	-	-	AV	18.40	8.50	117	144	189	250	294	361	580	1,080
	405.404	○	○	-	-	AV	20.00	7.00	147	181	239	315	370	454	580	1,100
90°	405.206	○	○	AP	-	-	12.00	5.00	47	57	76	100	118	144	780	1,450
	405.286	○	○	-	AR	-	15.20	6.20	75	92	121	160	188	231	800	1,550
	405.326	○	○	-	-	AV	17.20	7.70	94	115	152	200	235	289	850	1,600
	405.366	○	○	-	-	AV	19.50	8.70	117	144	189	250	294	361	850	1,600
	405.406	○	○	-	-	AV	22.00	9.50	147	181	239	315	370	454	850	1,600
120°	405.208	○	○	AP	-	-	12.70	5.00	47	57	76	100	118	144	1,450	2,600
	405.288	○	○	-	AR	-	16.00	6.60	75	92	121	160	188	231	1,500	2,700
	405.328	○	○	-	-	AV	17.80	7.90	94	115	152	200	235	289	1,500	2,800
	405.368	○	○	-	-	AV	20.10	8.80	117	144	189	250	294	361	1,500	2,800
	405.408	○	○	-	-	AV	22.40	9.10	147	181	239	315	370	454	1,500	2,800

B = bore diameter · E = narrowest free cross section

Example	Type	+	Material-no.	+	Code	=	Ordering no.
for ordering:	405.204	+	1Y	+	AP	=	405.204.1Y.AP

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