



Axial-flow full cone nozzles

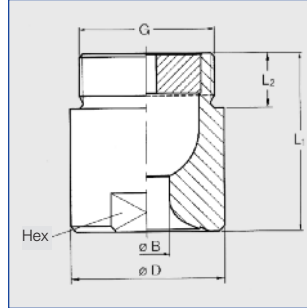
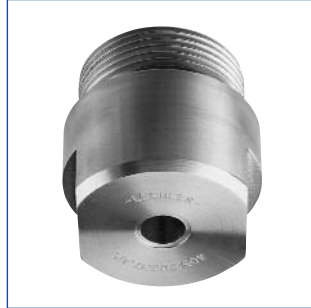
Series 405



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. Large free cross-sections, due to optimized x-style swirl insert.



Dimensions [mm]				
BSPP	L ₁	L ₂	D	Hex
1 1/4"	50	19	49	41
1 1/2"	60	19	59	50
2"	78	24	68	60

Spray angle	Ordering no.		Code			B Ø [mm]	E Ø [mm]	ṽ [l/min]						Spray diameter D at p=2 bar		
	Type	Mat.-no.		1 1/4 BSPP	1 1/2 BSPP			2 BSPP	p [bar]						H = 0,5 m	H = 1 m
		17	30						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	1040
	405. 284	○	○	-	AR	-	14,30	7,00	75	92	121	160	188	231	580	1080
	405. 324	○	○	-	-	AV	16,40	7,50	94	115	152	200	235	289	580	1080
	405. 364	○	○	-	-	AV	18,40	8,50	117	144	189	250	294	361	580	1080
	405. 404	○	○	-	-	AV	20,00	7,00	147	181	239	315	370	454	580	1100
90°	405. 206	○	○	AP	-	-	12,00	5,00	47	57	76	100	118	144	780	1450
	405. 286	○	○	-	AR	-	15,20	6,20	75	92	121	160	188	231	800	1550
	405. 326	○	○	-	-	AV	17,20	7,70	94	115	152	200	235	289	850	1600
	405. 366	○	○	-	-	AV	19,50	8,70	117	144	189	250	294	361	850	1600
	405. 406	○	○	-	-	AV	22,00	9,50	147	181	239	315	370	454	850	1600
120°	405. 208	○	○	AP	-	-	12,70	5,00	47	57	76	100	118	144	1450	2600
	405. 288	○	○	-	AR	-	16,00	6,60	75	92	121	160	188	231	1500	2700
	405. 328	○	○	-	-	AV	17,80	7,90	94	115	152	200	235	289	1500	2800
	405. 368	○	○	-	-	AV	20,10	8,80	117	144	189	250	294	361	1500	2800
	405. 408	○	○	-	-	AV	22,40	9,10	147	181	239	315	370	454	1500	2800

B = bore diameter · E = narrowest free cross section

Example Type + Material no. + Code = Ordering no.
for ordering: 405. 204 + 17 + AP = 405. 204. 17. AP

The folded page at the end of the catalogue will give you a survey on the various assembly possibilities. For complete assembly accessories, please refer to „Accessories“.

Conversion formula for the above series: $\dot{V}_2 = \dot{V}_1 * \left(\frac{p_2}{p_1}\right)^{0,4}$
(≤ 10 bar)

