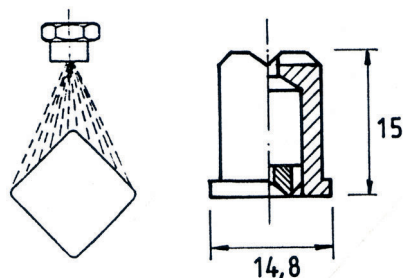


Square full cone nozzle CVQ

Material: brass, stainless steel, plastic, other materials on request

B = outlet bore, E = smallest section,
drillings vary slightly for different spray angles

Illu. 3



Square full cone spray pattern

Type resp. size	B Ø (mm)	E Ø (mm)	Flow rate \dot{V} (l/min.) at pressure p (bar)									
			0.5 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar
CVQ 1	0.6	0.5	0.45	0.53	0.59	0.73	0.82	0.91	0.98	1.00	1.20	
CVQ 2	0.8	0.5	0.65	0.79	0.90	0.99	1.10	1.20	1.30	1.40	1.70	
CVQ 3	1.3	0.8	0.63	0.87	0.99	1.10	1.40	1.60	1.80	1.90	2.50	
CVQ 4	1.8	1.0	0.95	1.10	1.40	1.60	2.00	2.30	2.60	2.80	3.70	
CVQ 5	2.1	1.0	1.20	1.70	2.00	2.20	2.70	3.10	3.40	3.70	4.60	
CVQ 6	2.3	1.0	1.40	1.90	2.30	2.60	3.00	3.50	3.80	4.30	5.00	
CVQ 7	2.5	1.0	1.50	2.10	2.60	3.00	3.60	4.10	4.50	5.00	6.30	
CVQ 8	2.8	1.2	2.00	2.60	3.10	3.50	4.10	4.60	5.00	5.50	6.80	

Order example: (code - material) CVQ 3 - V2A

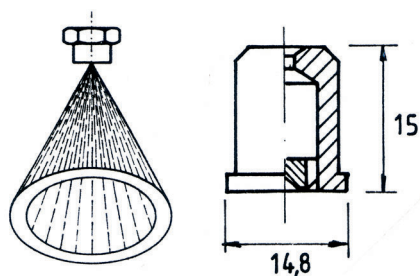
For adapters and accessories see page 7.1.

Hollow cone nozzle mouthpiece CH

Material: brass, stainless steel, plastic, other materials on request

B = outlet bore, E = smallest section,
drillings vary slightly for different spray angles

Illu. 4



Hollow cone spray pattern

Code resp. size	B Ø (mm)	E Ø (mm)	Flow rate \dot{V} (l/min.) at pressure p (bar)									
			0.5 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	10 bar
CH 1	1.2	0.5	0.35	0.41	0.47	0.56	0.64	0.72	0.79	0.85	1.00	
CH 2	1.3	0.5	0.46	0.53	0.61	0.80	0.89	1.10	1.30	1.50	1.90	
CH 3	1.3	0.7	0.70	0.86	1.00	1.20	1.40	1.65	1.80	2.00	2.30	
CH 4	1.8	1.0	1.00	1.30	1.65	2.00	2.60	3.20	3.70	4.20	5.80	
CH 5	2.0	1.0	1.50	1.90	2.30	2.60	3.20	3.80	4.30	4.70	6.30	
CH 6	2.5	1.0	1.90	2.30	2.70	3.20	3.90	4.60	5.20	5.70	8.50	
CH 7	3.2	1.2	2.30	3.20	3.90	4.60	5.60	6.40	7.20	7.90	10.2	
CH 8	3.8	1.5	2.60	3.80	4.60	5.40	6.60	7.70	8.60	9.40	12.3	

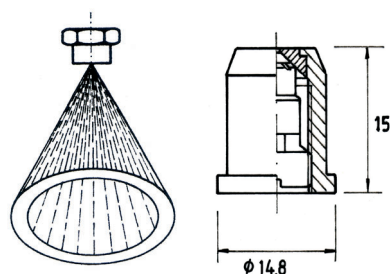
Order example: (code - material) CH 8 - brass

For adapters and accessories see page 7.1.

Molecular atomizer CM

Material: brass, stainless steel, plastic, other materials on request

Illu. 5



Hollow cone spray pattern

Type	Ø mm	Flow rate \dot{V} (l/h.) at pressure p (bar)								Spray angle		
		3 bar	4 bar	5 bar	7 bar	10 bar	20 bar	35 bar	70 bar	60°	80°	110°
CM 0.15	0.10	0.78	0.92	1.10	1.56	2.06	2.92			*		
CM 0.2	0.15	1.14	1.35	1.61	2.28	3.02	4.26			*		
CM 0.3	0.20	1.62	1.92	2.29	3.24	4.28	6.06			*		
CM 0.4	0.30	2.40	2.84	3.39	4.80	6.35	8.98			*		
CM 0.6	0.35	3.06	3.62	4.33	6.12	8.09	11.4			*		
CM 0.7	0.40	3.72	4.40	5.26	7.44	9.84	13.9			*		
CM 1	0.50	3.80	4.50	5.10	6.00	7.00	10.2	13.3	18.9	*	*	
CM 1.5	0.60	5.80	6.70	7.60	9.00	10.7	15.0	20.0	28.4	*	*	
CM 2	0.70	7.80	9.20	10.0	12.1	14.3	20.0	26.9	37.8	*	*	
CM 3	0.80	11.5	13.7	15.3	17.8	21.4	30.0	40.1	56.8	*	*	
CM 4	1.00	15.5	18.0	20.2	23.8	28.6	40.0	53.7	75.7	*	*	
CM 6	1.00	23.0	27.0	30.3	36.0	43.0	60.0	79.5	114	*	*	
CM 8	1.50	31.0	36.0	40.4	47.7	57.2	80.0	106	151	*	*	
CM 10	1.60	38.7	45.5	50.5	59.8	71.5	100	133	189	*	*	
CM 12	1.90	46.7	54.4	60.7	71.9	85.7	120	163	227	*	*	
CM 14	1.90	55.0	63.0	70.8	83.3	100	140	189	265	*	*	
CM 18	1.90	70.0	81.3	91.0	110	129	180	242	341	*	*	
CM 22	1.90	86.0	100	111	132	157	220	295	416	*	*	
CM 26	2.20	100	117	131	155	186	260	348	467	*	*	

Order example: (type - spray angle - material) CM 1.5 - 80° - PP

For adapters and accessories see page 7.1.