

Hollow cone spiral nozzles

(Nozzles marked in blue are not applicable as plastic design!)

R	Type HS	b in mm	S in mm	Flow rate \dot{V} (l/min.) at pressure p (bar)								Spray angle			L in mm	L1 in mm	SW in mm
				0.5 bar	0.7 bar	1 bar	2 bar	3 bar	5 bar	10 bar	20 bar	50°	120°	180°			
1/4"	HS 6	2.38	2.38	2.26	2.67	3.19	4.51	5.53	7.13	10.1	14.3	*	*	*	48	48	14
	HS 8	3.18	3.18	4.19	4.96	5.93	8.36	10.3	13.2	18.7	26.5	*	*	*			
	HS 10	3.97	3.18	6.45	7.63	9.12	12.9	15.8	20.4	28.8	40.8	*	*	*			
3/8"	HS 12	4.76	3.18	9.70	11.4	13.7	19.3	23.7	30.6	43.2	61.1	*	*	*	48	48	17
	HS 14	5.56	3.18	13.1	15.4	18.5	26.1	32.0	41.3	58.4	82.6	*	*	*			
	HS 16	6.35	3.18	17.1	20.2	24.2	34.2	41.8	54.0	76.4	108	*	*	*			
1/2"	HS 20	7.94	3.18	26.6	31.5	37.6	53.2	65.1	84.1	119	168	*	*	*	64	60	22
	HS 24	9.53	4.76	38.8	46.0	54.9	77.7	95.1	123	174	246	*	*	*			
3/4"	HS 28	11.1	4.76	53.2	62.9	75.2	106	130	168	238	336	*	*	*	70	76	27
	HS 32	12.7	4.76	67.7	80.1	95.7	135	166	214	303	428	*	*	*			
1"	HS 40	15.9	6.35	108	128	153	216	264	341	483	683			*	92	35	
	HS 48	19.1	6.35	153	181	216	306	375	484	685	968			*			
1 1/2"	HS 56	22.2	7.94	208	246	294	416	509	657	930	1,320			*	111	51	
	HS 64	25.4	7.94	272	322	385	545	667	861	1,220	1,720			*			
	HS 72	28.6	7.94	309	366	438	619	758	978	1,380	1,960			*			

Characteristics

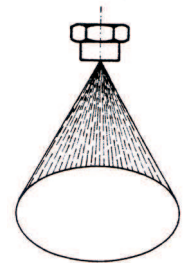
Type **VW** has all the advantages of all other spiral nozzles, yet extreme spiral intervals, making it especially clog-resistant.

Application

Flue gas cleaning
 Gas cooling
 Washing and rinsing
 Fire protection

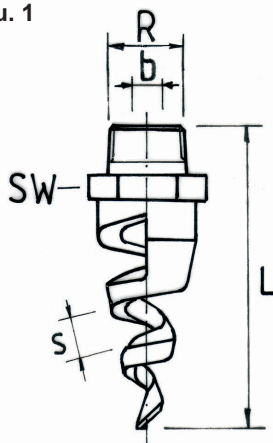
Material

Brass
 Stainless steel
 PVC
 Teflon



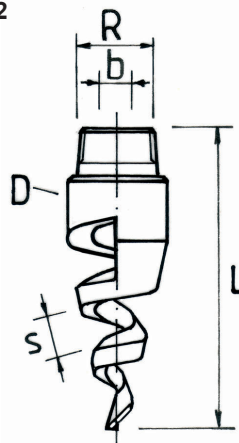
Full cone spray pattern

Illu. 1



Type **VW**
 90° - 120°
 made from metal

Illu. 2



Type **VW**
 90° - 120°
 made from plastic

Full cone spiral nozzle

(Nozzles marked in blue are not applicable as plastic design!)

R	Type VW	b = S in mm	Flow rate \dot{V} (l/min.) at pressure p (bar)								Spray angle		L in mm	SW in mm
			0.5 bar	0.7 bar	1 bar	2 bar	3 bar	5 bar	10 bar	20 bar	90°	120°		
3/8"	VW 12	4.76	9.67	11.4	13.7	19.3	23.7	30.6	43.2	61.1	*	*	70	22
	VW 14	5.56	13.1	15.4	18.5	26.1	32.0	41.3	58.4	82.6	*	*		
	VW 16	6.35	17.1	20.2	24.2	34.2	41.8	54.0	76.4	108	*	*		
	VW 20	7.94	26.6	31.5	37.6	53.2	65.1	84.1	119	168	*	*		
1/2"	VW 24	9.53	38.8	46.0	54.9	77.7	95.1	123	174	246	*	*	86	27
	VW 28	11.1	53.2	62.9	75.2	106	130	168	238	336	*	*		
3/4"	VW 32	12.7	67.7	80.1	95.7	135	166	214	303	428	*	*	130	44
1"	VW 40	15.9	108	128	153	216	264	341	483	683	*	*	130	50
	VW 48	19.1	153	181	216	306	375	484	685	968	*	*		
1 1/2"	VW 56	22.2	208	246	294	416	509	657	930	1,315	*	*	171	63
	VW 64	25.4	272	322	385	545	667	861	1,220	1,720	*	*		
	VW 72	28.6	309	366	438	619	758	978	1,380	1,960	*	*		
2"	VW 88	34.9	451	534	638	902	1,110	1,430	2,020	2,850	*	*	267	76
	VW 96	38.1	570	674	806	1,140	1,400	1,800	2,550	3,600	*	*		
3"	VW 112	44.5	825	967	1,170	1,650	2,020	2,610	3,690	5,220	*	*	267	89
	VW 128	50.8	1,090	1,290	1,550	2,190	2,680	3,460	4,890	6,920	*	*		
4"	VW 160	63.5	1,690	2,000	2,390	3,380	4,140	5,350	7,570	10,700	*	*	279	114