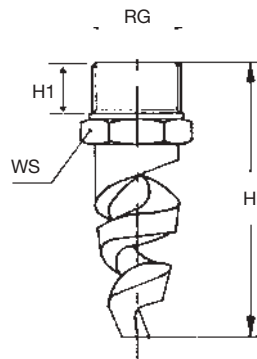


## FULL CONE NOZZLES

### E



### SPIRAL NOZZLES

Spiral nozzles work on the impact principle, by deflection of a water stream onto a spiral profiled surface which provides the desired spray angle.

The spray angle value is maintained even at low pressure and when spraying high viscosity liquids.

While the droplet spray distribution is not comparable to the one provided by a standard full cone nozzle, the fact that a whirling vane is not required makes them virtually clog-free in most cases. Since spiral nozzles work on the impact principle and have no inherent turbulence losses, they produce faster and smaller droplets as compared to a standard full cone nozzle.

Capacity values on a grey background should be obtained with metal nozzles only, plastic materials being too weak to assure structural nozzle resistance.

See next page for materials, applications and assembly fittings.

△	Code	RG	D	D1	Capacity at different pressure values (l/min) (bar)						Dimension (mm)			
					0.7	1.0	2.0	3.0	5.0	7.0	10	H	H1	WS
60°	<b>EBQ 1550 xx</b>	1/4"	2.4	2.4	2.66	3.18	4.49	5.50	7.10	8.40	10.0	45	12	14
	<b>EBQ 2156 xx</b>		4.0	3.2	7.54	9.01	12.7	15.6	20.1	23.8	28.5			
	<b>ECQ 2230 xx</b>	3/8"	4.8	3.2	11.4	13.6	19.2	23.5	30.3	35.9	42.9	48	14	19
	<b>ECQ 2410 xx</b>		6.4	3.2	20.0	24.0	33.9	41.5	53.6	63.4	75.8			
	<b>ECQ 2640 xx</b>		7.9	3.2	31.2	37.3	52.7	64.6	83.4	99.0	118			
	<b>EDQ 2940 xx</b>	1/2"	9.5	4.7	45.6	54.5	77.1	94.4	122	144	172	64	18	22
	<b>EDQ 3128 xx</b>		11.1	4.7	61.8	73.9	105	128	165	196	234			
	<b>EEQ 3165 xx</b>	3/4"	12.7	4.7	79.7	95.3	135	165	213	252	301	70	19	27
<b>EFQ 3260 xx</b>	1"	15.9	6.3	126	150	212	260	336	397	475	92	26	34	
<b>EHQ 3507 xx</b>	1 1/2"	22.2	7.9	245	293	414	507	655	774	926	111	27	50	
90°	<b>EBU 1550 xx</b>	1/4"	2.4	2.4	2.66	3.18	4.49	5.50	7.10	8.40	10.0	45	12	14
	<b>EBU 2100 xx</b>		3.2	3.2	4.83	5.77	8.16	10.0	12.9	15.3	18.3			
	<b>EBU 2156 xx</b>		4.0	3.2	7.54	9.01	12.7	15.6	20.1	23.8	28.5			
	<b>ECU 2230 xx</b>	3/8"	4.8	3.2	11.4	13.6	19.2	23.5	30.3	35.9	42.9	48	14	19
	<b>ECU 2317 xx</b>		5.6	3.9	15.3	18.3	25.9	31.7	40.9	48.4	57.9			
	<b>ECU 2410 xx</b>		6.4	4.8	20.0	24.0	33.9	41.5	53.6	63.4	75.8			
	<b>ECU 2640 xx</b>		7.9	5.5	31.2	37.3	52.7	64.6	83.4	99.0	118			
	<b>EDU 2940 xx</b>	1/2"	9.5	3.3	45.6	54.5	77.1	94.4	122	144	172	64	18	22
	<b>EDU 3128 xx</b>		11.1	3.7	61.8	73.9	105	128	165	196	234			
	<b>EEU 3165 xx</b>	3/4"	12.7	4.7	79.7	95.3	135	165	213	252	301	70	19	27
	<b>EFU 3260 xx</b>	1"	19.0	6.3	126	150	212	260	336	397	475	92	26	34
	<b>EFU 3372 xx</b>		23.0	6.3	180	215	304	372	480	568	679			
	<b>EKU 4109 xx</b>	2"	34.9	11.1	527	629	890	1090	1407	1665	1990	149	31	65
	<b>EMU 4204 xx</b>	3"	44.5	14.3	985	1178	1666	2040	2633	3116	3724	219	42	89
<b>EMU 4267 xx</b>	50.8			1290	1541	2180	2670	3447	4078	4874				

Operation with pressure values and capacities shown on the grey background recommended for cast or machined metal nozzles only.



The picture shows the inside of a spiral nozzle with a completely free passage, without any internal vane.