

Full Cone Nozzle VX

MC

With clog-resistant X-swirler

Characteristics

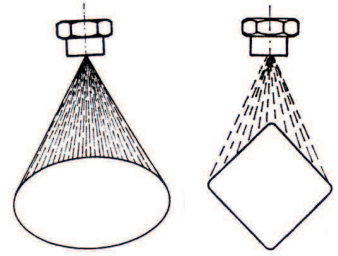
Full cone spray pattern with circular wetting due to X-swirl insert.
Very clog-resistant,
Fine droplets.

Application

Cleaning
Washing
Cooling
Dust suppression
Process engineering

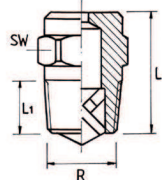
Material

Brass
Steel
Stainless steel
Plastic
Other materials on request



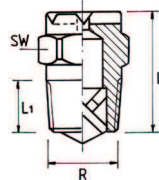
Circular and square full cone

Illu. 1



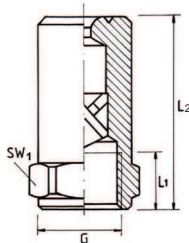
Type VX

Illu. 2



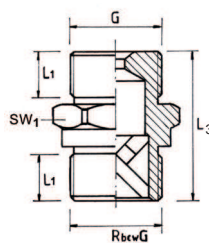
Type VXQ
Square full cone

Illu. 3



Type VXI
With female thread

Illu. 4



Type VXK
With head thread

Thread R + G	Dimensions in mm				SW	SW1
	L	L1	L2	L3		
R 1/8"	17.5	7	25	25	10	13
R 1/4"	22	10	34	28	14	17
R 3/8"	25	10	38	28	17	22
R 1/2"	30	13	45	35	22	25
G 3/4"	38	15	55	40	30	30
G 1"	50	17	70	50	36	36

R = conic thread DIN 2955

G = cylindrical thread ISO 228

Plastic nozzles can feature different SWs.

Order example:

(thread - type - spray angle - material)
R 1/4" - VX 5.6 - 90° - V2A

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

Male thread R or G						Type	B Ø (mm)	E Ø (mm)	Flow rate \dot{V} (l/min.) at pressure p (bar)								Spray angle										
R DIN 2999				G ISO 228					bar	bar	bar	bar	bar	bar	bar	bar	bar	bar	bar	bar	bar	bar	bar	bar	bar	bar	bar
1/8"	1/4"	3/8"	1/2"	3/4"	1"																						
*	*					VX 0.6	0.95	0.70	0.36	0.48	0.63	0.74	0.91	1.04	1.20	*	*										
*	*					VX 1.0	1.20	0.85	0.57	0.76	1.00	1.18	1.44	1.65	1.90	*	*	*									
*	*					VX 1.2	1.30	0.90	0.72	0.95	1.25	1.47	1.80	2.06	2.38	*	*	*									
*	*					VX 1.6	1.50	1.00	0.92	1.21	1.60	1.88	2.31	2.64	3.05	*	*	*	*								
*	*					VX 1.8	1.60	1.10	1.03	1.36	1.80	2.12	2.60	2.97	3.43	*	*	*	*								
*	*					VX 2.0	1.65	1.20	1.15	1.52	2.00	2.35	2.89	3.30	3.81	*	*	*	*								
*	*					VX 2.5	1.90	1.35	1.44	1.89	2.50	2.94	3.61	4.13	4.76	*	*	*	*								
*	*	*				VX 3.1	2.10	1.40	1.81	2.39	3.15	3.70	4.54	5.20	6.00	*	*	*	*								
*	*	*				VX 4.0	2.45	1.60	2.30	3.03	4.00	4.70	5.77	6.60	7.61	*	*	*	*								
*	*	*				VX 5.0	2.75	1.80	2.87	3.79	5.00	5.88	7.21	8.25	9.52	*	*	*	*								
	*	*	*			VX 5.6	3.00	1.80	3.22	4.24	5.60	6.59	8.08	9.24	10.7	*	*	*	*								
	*	*	*			VX 6.3	3.10	1.90	3.62	4.77	6.30	7.41	9.09	10.4	12.0	*	*	*	*								
	*	*	*			VX 7.1	3.30	1.90	4.08	5.38	7.10	8.35	10.2	11.7	13.5	*	*	*	*								
	*	*	*			VX 8.0	3.50	1.90	4.59	6.06	8.00	9.41	11.5	13.2	15.2	*	*	*	*								
	*	*	*			VX 8.5	3.60	1.90	4.88	6.44	8.50	10.0	12.3	14.0	16.2	*	*	*	*								
	*	*	*			VX 9.0	3.70	2.30	5.17	6.82	9.00	10.6	13.0	14.9	17.1	*	*	*	*								
		*	*			VX 10	3.80	2.40	5.74	7.58	10.0	11.8	14.4	16.5	19.0	*	*	*	*								
		*	*			VX 13	4.20	2.70	7.18	9.47	12.5	14.7	18.0	20.6	23.8	*	*	*	*								
		*	*			VX 14	4.40	2.70	8.04	10.6	14.0	16.5	20.2	23.1	26.7	*	*	*	*								
		*	*	*		VX 16	4.60	3.10	9.19	12.1	16.0	18.8	23.1	26.4	30.5	*	*	*	*								
			*	*		VX 20	5.30	3.30	11.5	15.2	20.0	23.5	28.9	33.0	38.1	*	*	*	*								
			*	*		VX 25	5.90	4.10	14.4	19.0	25.0	29.4	36.1	41.3	47.6	*	*	*	*								
				*	*	VX 32	6.60	4.70	18.1	23.9	31.5	37.1	45.5	52.0	60.0	*	*	*	*								
				*	*	VX 40	7.60	4.90	23.0	30.3	40.0	47.0	57.7	66.0	76.2	*	*	*	*								
				*	*	VX 50	8.50	5.60	28.7	37.9	50.0	58.8	72.1	82.5	95.2	*	*	*	*								
				*	*	VX 63	9.60	6.60	36.2	47.8	63.0	74.1	90.9	104	120	*	*	*	*								
				*	*	VX 71	10.00	6.60	40.8	53.8	71.0	83.5	102	117	135	*	*	*	*								