

# MaxiPass® L

**Low Flow, Full Cone, Maximum Free Passage**

## DESIGN FEATURES

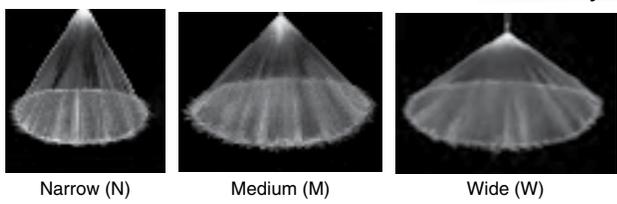
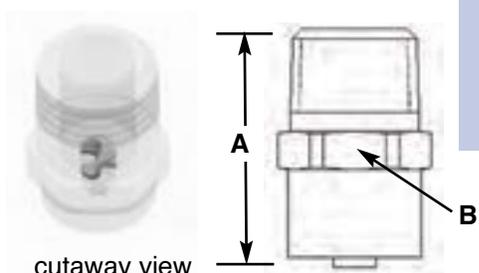
- 1/8 and 1/4 pipe connection sizes
- Ultimate clog-resistant design, with the **largest free passage available** in an axial, full-cone nozzle
- Unique, S-shaped internal vanes allow free passage of particles
- High-energy efficiency
- Easily handles dirty, contaminated liquids
- Male connections
- Nozzle body available in Brass, 303, 316 Stainless Steel
- Vanes are 316 Stainless Steel for optimum wear and corrosion resistance

## SPRAY CHARACTERISTICS

- High reliability spray performance under the most difficult conditions
  - Uniform spray distribution
- Spray pattern:** Full Cone  
**Spray angles:** Narrow (N), Medium (M), Wide (W)  
**Flow rates:** 0.44 to 7.94 L/min



FULL CONE



MaxiPass L Ordering Nomenclature			
1/8	MPL0.21M	-B	316
pipe connection size	series	material	BSP thread connection
	flow rating	spray angle	

## MaxiPass L (MPL) Flow Rates

Male Pipe Size	K Factor	Nozzle Number	LITERS PER MINUTE @ BAR						
			0.7 BAR	1 BAR	2 BAR	3 BAR	4 BAR	5 BAR	6 BAR
1/8	0.514	MPL0.21	0.44	0.51	0.69	0.82	0.93	1.03	1.11
	0.734	MPL0.30	0.63	0.73	0.99	1.18	1.33	1.47	1.59
	1.03	MPL0.42	0.88	1.03	1.39	1.65	1.87	2.06	2.23
	1.39	MPL0.57	1.19	1.39	1.87	2.23	2.52	2.78	3.00
1/4	1.88	MPL0.77	1.61	1.88	2.53	3.02	3.41	3.76	4.06
	2.74	MPL1.12	2.35	2.74	3.69	4.39	4.97	5.47	5.92
	3.69	MPL1.51	3.17	3.69	4.97	5.92	6.70	7.37	7.97

Flow Rate (L/min) = K (BAR)<sup>0.43</sup>

## Spray Angle and Dimensions

Nozzle Number	N spray angle	M spray angle	W spray angle	Approx. Free Passage Dia. (mm)			Approx. Dimensions (mm)		Wt. (g) Metal
	3 BAR	3 BAR	3 BAR	N	M	W	A length	B hex size	
MPL0.21	51	77	129	0.94	0.91	0.91	18	11.1	9
MPL0.30	53	86	134	1.1	0.99	1.1			
MPL0.42	51	90	128	1.3	1.2	1.1			
MPL0.57	61	92	127	1.5	1.4	1.3			
MPL0.77	62	90	125	1.7	1.7	1.7	22	14.3	18
MPL1.12	60	92	124	2.2	2.1	2.1			
MPL1.51	70	97	123	2.7	2.3	2.3			

Spray angle performance varies with pressure. Contact BETE Applications Engineering for specific data on critical applications.

Dimensions are approximate. Check with BETE for critical dimension applications.

CALL 413-772-0846  
 Call for the name of your nearest BETE representative.