

# MaxiPass® L

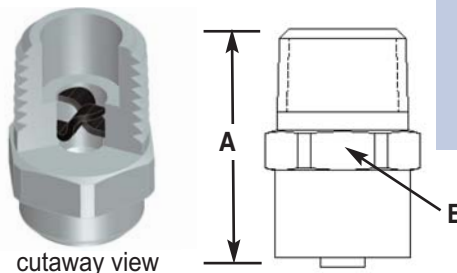
**Low Flow, Full Cone, Maximum Free Passage**

## 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

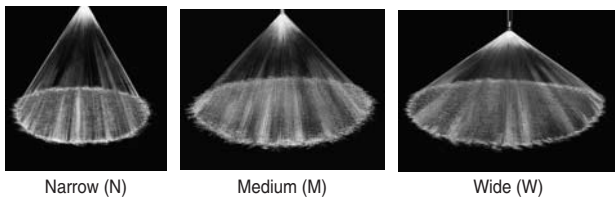
- High reliability spray performance under the most difficult conditions
  - Uniform spray distribution
- Spray pattern:** Full Cone  
**Spray angles:** Narrow (N), Medium (M), Wide (W)  
**Flow rates:** 0.12 to 2.03 gpm



cutaway view



FULL CONE



Narrow (N)

Medium (M)

Wide (W)

## MaxiPass L Ordering Nomenclature

1/8 MPL0.21M -B - 316

pipe connection size | series | flow rating | material | BSP thread connection | spray angle

## MaxiPass L (MPL) Flow Rates

Male Pipe Size	K Factor	Nozzle Number	GALLONS PER MINUTE @ PSI							
			10 PSI	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI	70 PSI	80 PSI
1/8	0.043	MPL0.21	0.12	0.16	0.19	0.21	0.23	0.25	0.27	0.28
	0.061	MPL0.30	0.17	0.22	0.27	0.30	0.33	0.36	0.38	0.40
	0.086	MPL0.42	0.23	0.31	0.37	0.42	0.46	0.50	0.53	0.57
	0.117	MPL0.57	0.31	0.42	0.51	0.57	0.63	0.68	0.73	0.77
1/4	0.158	MPL0.77	0.42	0.57	0.68	0.77	0.85	0.92	0.98	1.04
	0.229	MPL1.12	0.62	0.83	0.99	1.12	1.23	1.33	1.42	1.51
	0.309	MPL1.51	0.83	1.12	1.33	1.51	1.66	1.80	1.92	2.03

Flow Rate (GPM) = K (PSI)<sup>0.43</sup>

## Spray Angle and Dimensions

Nozzle Number	N spray angle	M spray angle	W spray angle	Approx. Free Passage Dia. (in.)			Approx. Dimensions (in.)		Wt. (oz) Metal
	40 PSI	40 PSI	40 PSI	N	M	W	A length	B hex size	
MPL0.21	51	77	129	0.037	0.036	0.036	0.70	7/16	0.30
MPL0.30	53	86	134	0.043	0.039	0.044			
MPL0.42	51	90	128	0.053	0.047	0.044			
MPL0.57	61	92	127	0.06	0.057	0.052			
MPL0.77	62	90	125	0.067	0.067	0.067	0.88	9/16	0.62
MPL1.12	60	92	124	0.085	0.081	0.081			
MPL1.51	70	97	123	0.105	0.09	0.09			

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.