TANK WASHING

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CLUMP Coverage Chart When spraying at 3 bar

Tank Washing Nozzles

• Each nozzle in the stationary cluster is

a BETE clog-resistant full cone nozzle

BETE nozzles for any desired application

DESIGN FEATURES

of the MaxiPass® series

• Can be supplied with various other

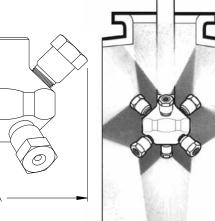
	Female Pipe Size	Nozzle Number	Scrubbing Diameter (mm)	Rinsing Diameter (mm)
		CLUMP125	1200	2400
	3/4"	CLUMP156	1200	3700
		CLUMP187	1800	4300
	1"	CLUMP187	1800	4300
		CLUMP218	2400	4300
		CLUMP250	3000	4900

Female connection

SPRAY CHARACTERISTICS

- Spherical omnidirectional coverage
- Six nozzles arranged in cluster to project spray in all directions
- Flow rates: 28.1 to 290 l/min (Special flow rates available)





Typical CLUMP installation

Metal

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

CLUMP Flow Rates and Dimensions

Spherical, 360° Spray Angle, 3/4" and 1" Pipe Size, BSP or NPT

	Female Pipe Size			LITERS PER MINUTE @ BAR					Minimum Entrance	Weight		
		Nozzle Number	K Factor	0.7 bar	1 bar	2 bar	3 bar	4 bar	5 bar	Opening (mm) A	(ke Metal	· .
	3/4"	CLUMP125	33.2	28.1	33.2	46.0	55.6	63.7	70.8			
		CLUMP156	52.7	44.6	52.7	73.2	88.2	101	112	120	1.29	0.22
		CLUMP187	76.2	65.7	76.2	106	128	146	163			
		CLUMP187	76.2	65.7	76.2	106	128	146	163			
	1"	CLUMP218	121	103	121	168	203	232	258	146	2.34	0.40
		CLUMP250	136	115	136	188	228	261	290			

Flow Rate $(l/min) = K (bar)^{0.47}$

Standard Materials: 316 Stainless Steel. Other materials available on request. 3/4" CLUMP not available in PTFE.

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