SM max passage full cone nozzles

DESIGN FREE PASSAGE

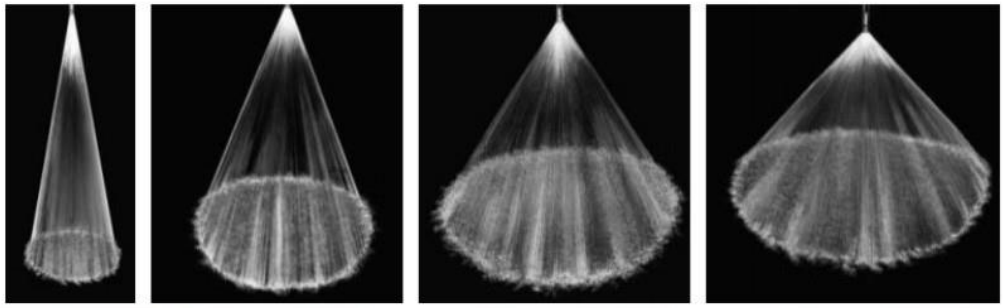
Ultimate clog-resistant design with largest free passage available in a full cone nozzle.
Two unique S-shaped internal vanes allow free passage of particles.
High energy efficiency.
Easily handles dirty,lumpy liquids.
Male and female connections.
Flanged connection available.

SM

SPRAY CHARACTERISTICS

High reliability spray performance under the most difficult conditions.
Spray pattern :Full cone(Square patterns to special order).
Spray angles :30°,60°,90°,120°.
Flow rates:2.45l/min to 3400l/min (Flow rates up to 17000l/min available).

Spray patern

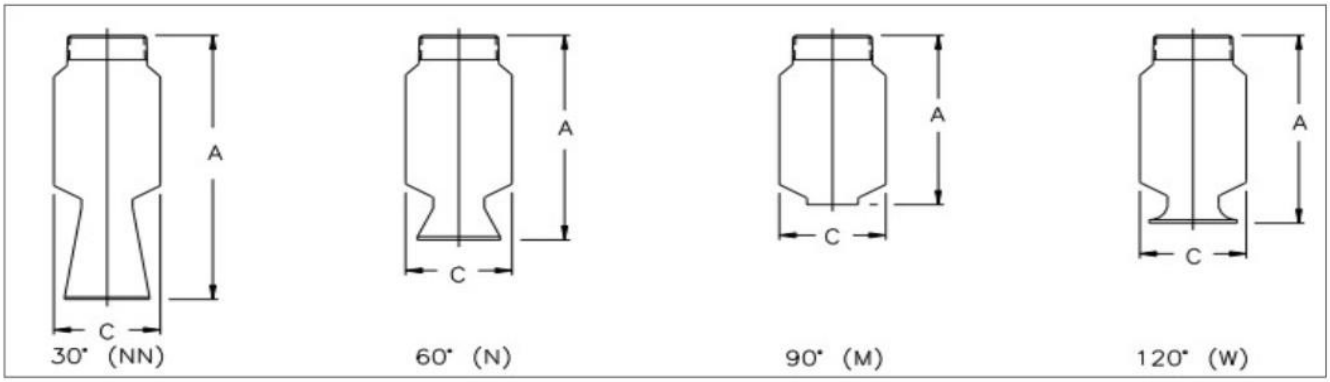


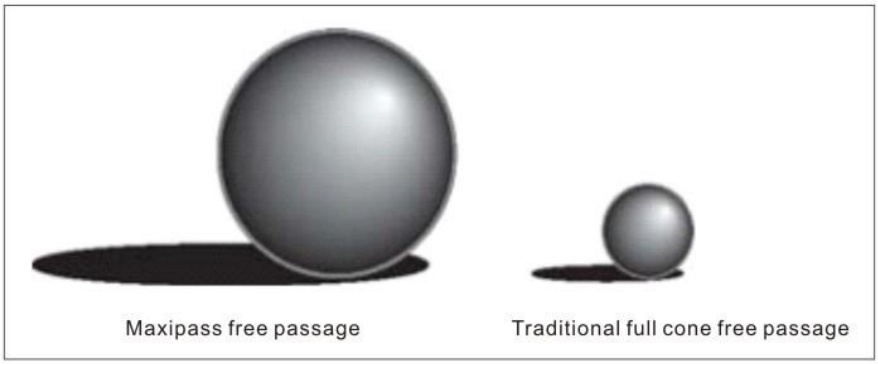
Fulll cone 30°(NN) Fulll cone 60°(N) Fulll cone 90°(M) Fulll cone 120°(W)

PERFORMANCE DATA

Male or Female pipe size	Capacity size	Capacity(liters per minute)								Approx. Fress passage dia.(mm)	Approx. Dimensions(mm) Overall length					Weight (Kg)
		0.2 bar	0.3 bar	0.5 bar	0.7 bar	1.0 bar	2.0 bar	3.0 bar	5.0 bar		30° A	60° A	90° A	120° A	C	
3/8	SM125	2.6	3.14	3.99	4.68	5.53	7.66	9.27	11.8	3.18	76.2	38.1	38.1	38.1	22.2	0.09
	SM156	4.13	4.99	6.35	7.43	8.79	12.2	14.7	18.7	3.97						0.09
	SM187	5.96	7.21	9.17	10.7	12.7	17.6	21.3	27.1	4.76						0.07
1/2	SM187	5.96	7.21	9.17	10.7	12.7	17.6	21.3	27.1	4.76	102	47.6	47.6	47.6	25.4	0.13
	SM218	9.48	11.5	14.6	17.1	20.2	28	33.9	43	5.56						0.11
	SM250	10.7	12.9	16.4	19.2	22.7	31.4	38	48.4	6.35						0.11
3/4	SM281	13.1	15.8	20.1	23.6	27.9	38.6	46.8	59.4	7.14	102	63.5	60.3	63.5	31.8	0.23
	SM312	15.9	19.2	24.4	28.6	33.8	46.8	56.6	72	7.94						0.23
	SM343	19.4	23.5	29.9	35	41.4	57.3	69.4	88.2	8.73						0.2
	SM375	22.9	27.7	35.2	41.3	48.8	67.6	81.8	104	9.53						0.2
1	SM375	22.9	27.7	35.2	41.3	48.8	67.6	81.8	104	9.53	111	74.6	74.6	74.6	38.1	0.35
	SM406	27.6	33.3	42.3	49.3	58.6	81.1	98.1	126	10.3						0.33
	SM437	34	40.6	50.9	59	69	93.6	112	140	11.1						0.33
1-1/4	SM437	34	40.6	50.9	59	69	93.6	112	140	11.1	137	85.9	85.9	85.9	50.8	0.61
	SM500	43.7	52.2	65.4	75.8	88.7	120	144	180	11.1	164	85.7	85.7	85.7	50.8	0.61
	SM531	48.5	58	72.7	84.2	98.6	134	160	200	12.7	164	85.7	85.7	85.7	50.8	0.61
	SM562	53.4	63.8	79.9	92.7	108	147	176	220	13.5	164	85.7	85.7	85.7	50.8	0.61
1-1/2	SM562	53.4	63.8	79.9	92.7	108	147	176	220	14.3	173	111	111	111	57.2	0.91
	SM593	60.7	72.5	90.9	105	123	167	200	250	15.1	184	111	111	111	57.2	0.91
	SM625	64.7	77.4	96.9	112	131	178	213	267	15.9	184	111	111	111	57.2	0.91
	SM656	78.5	93.5	117	136	159	216	258	324	16.7	184	111	111	111	57.2	0.91
	SM687	82.5	98.7	124	143	168	227	272	340	17.5	184	111	111	111	57.2	0.91

A cutaway view of the Maxipass nozzle showing the S-shaped vanes that enable the nozzle to successfully handle large particles without clogging.





Maxipass free passage　　Traditional full cone free passage

A comparison of the free passage available with our Maxipass nozzle compared to the free passage of a traditional full cone nozzle .
Our Maxipass is desgned to pass solid particles that are 2-3 times larger in diameter than particles that will pass through.

Male or Female pipe size	Capacity size	Capacity(liters per minute)								Approx. Fress passgae dia.(mm)	Approx. Dimensions(mm) Overall length					Weight
		3psi	5psi	7psi	10psi	15psi	20psi	40psi	60psi		30° A	60° A	90° A	120° A	C	(Kg)
2	SM750	100	120	150	174	204	276	330	414	19.1	210	178	146	159	66.8	1.59
	SM812	110	132	165	191	223	303	362	454	20.6	210	183	146	159	66.8	1.59
	SM875	136	162	203	236	276	374	448	560	22.2	210	183	146	159	82.6	1.59
	SM937	152	182	228	264	309	419	501	627	23.8	229.0	194	152.00	165	82.6	1.7
	SM1000	178	213	266	309	361	490	586	734	25.40	262	194	152.00	168	82.6	1.7
	SM1125	206	249	317	371	439	608	736	935	28.6	262	194	152.00	171	82.6	1.7
2-1/2	SM1125	206	249	317	371	439	608	736	935	28.6	267	213	165.00	178.0	82.6	2.04
	SM1250	247	299	381	446	527	730	883	1120	31.8	305.0	244	165.00	181	82.6	2.04
	SM1375	297	359	456	535	632	875	1060	1350	34.9	305.0	244	213	229.0	102	2.84
	SM1500	363	440	559	655	774	1070	1230	1650	38.10	330.0	267	213	229.0	102	2.84
3	SM1500	363	440	559	655	774	1070	1230	1650	38.1	343	279.0	229.00	248	121	3.29
	SM1625	428	517	658	770	911	1260	1530	1940	41.3	343	279.0	229.00	251	121	3.29
	SM1750	488	591	751	880	1040	1440	1740	2220	44.5	343	279.0	229.00	251	121	3.29
4	SM1750	488	591	751	880	1040	1440	1740	2220	44.5	406.0	356.0	225	248	121	3.63
	SM1875	550	660	845	990	1170	1620	1960	2490	47.6	406.0	356.0	225	248	121	3.63
	SM2000	643	778	989	1160	1370	1900	2300	2920	50.8	406.0	356.0	286	311	152	7.26
	SM2125	719	870	1100	1290	1530	2100	2550	3250	54	406.0	356.0	286	311	152	7.26
	SM2250	780	944	1200	1400	1660	2300	2780	3540	57.2	406.0	356.0	286	311	152	7.26

Note :Brass ,316SS,PVC,PP

ORDERING INFORMATION

1" ——— SM406 ——— 316SS

↓ Pipe conn .size　↓ capacity size　↓ Material code