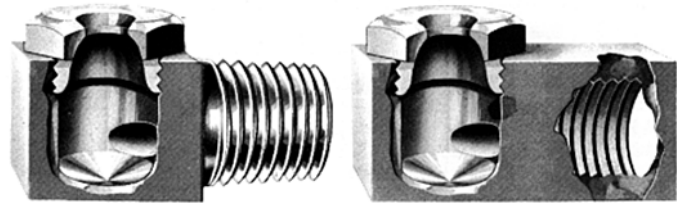


Hollow Cone Nozzles



629 / 631 NON-CLOG



The absence of internal vanes makes the 629 and 631 Nozzles practically clog free. Any foreign particles which can pass through the large tangential feed or "lead" hole will easily exit out the orifice.

The Swirl Chamber design, which is conical at both ends, produces a uniform hollow cone distribution. Atomization becomes finer at higher pressures and wider spray angles.

Typical uses are air washers, aerators, cooling towers, foam dissolving, smoke and dust removal, gas cooling, dewaxing, degreasing and general Industrial processing and Agricultural applications.

Material: Brass and 303 Stainless Steel are standard. Also available in Hard Rubber or any other machinable material.

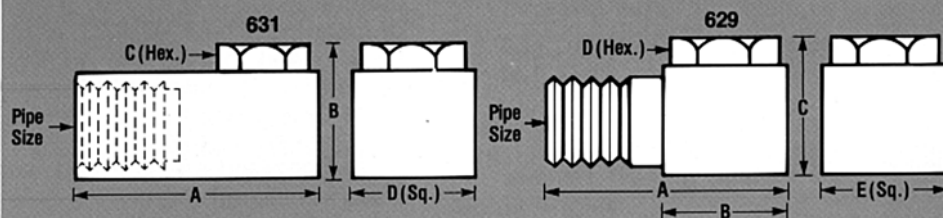
Spray Angles: Standard: 80° at 40 PSI. Nozzles with orifices up through 1/8" available in 120°.

Pipe Connections: 629 (Male) 1/8", 1/4", 3/8" NPT. 631 (Female) 1/8", 1/4", 3/8", 1/2", 3/4", 1" NPT.

629 / 631 Capacities: Gallons Per Hour

Pipe Size	Orifice	Lead	Operating Pressure: Lbs. Per Square Inch							
			5	10	20	30	40	60	80	100
			1/8"	69	69			2.7	3.3	3.8
1/4"	61	61			4.2	5.1	5.9	7.2	8.3	9.2
	61	53	2.7	3.7	5.3	6.5	7.5	9.2	10.5	11.8
	53	53	4.0	5.7	8.2	10.0	11.5	14.1	16.3	18.2
	49	49	5.6	7.9	11.1	13.6	15.7	19.3	22.2	24.8
	3/32	3/32	9.6	13.5	19.2	23.4	27.0	33.0	38.4	42.9
	1/8	1/8	12.2	17.3	24.4	29.9	34.6	42.4	49.0	54.9
1/2"	1/8	1/8	14.6	20.6	29.1	35.7	41.0	50.4	58.4	65.1
	1/8	1/8	15.9	22.5	31.9	39.2	45.1	55.2	63.7	71.5
	1/16	1/8	21.7	30.6	43.2	53.0	61.1	75.0	86.4	98.0
	3/16	3/32	30.5	43.2	61.1	74.9	86.4	107	122	136
	1/32	1/16	45.1	63.8	90.5	110	128	156	180	202
	3/64	3/64	54.7	77.8	108	134	155	191	217	246
	1/32	1/32	59.8	84.5	120	146	169	207	240	267
	3/32	1/32	88.4	125	177	217	250	306	354	395
	1/16	1/4	102	141	199	244	282	345	399	446
	1/16	1/16	122	173	245	300	346	424	489	547
3/8"	1/32	1/16	135	191	270	331	382	468	540	604
	3/64	3/32	143	203	287	352	406	497	574	642
	1/32	3/32	168	237	335	411	474	581	670	750
	3/16	3/16	35	49	69	85	98	120	138	155
	1/32	1/32	50	71	101	123	142	175	202	225
	1/4	1/4	71	101	142	175	202	246	284	319
	3/32	3/32	98	138	196	240	276	339	392	433
	1/16	1/32	124	176	249	305	352	431	498	557
	1/16	1/16	170	240	339	416	480	588	679	759
	1/32	1/16	180	255	361	442	510	625	721	806
1/2"	1/8	1/16	222	314	444	544	628	769	888	993
	3/32	1/32	254	360	509	624	720	882	1018	1138
	1/16	1/32	266	378	535	655	756	926	1069	1195
	1/32	1/32	300	425	610	736	850	1041	1202	1344
	3/8	1/16	145	206	290	356	411	495	580	651
	1/8	3/8	182	258	365	448	516	634	730	816
	1/32	3/8	207	293	413	507	586	718	826	926
	1/16	3/8	226	321	453	555	641	787	905	1015
	1/32	3/8	245	346	496	600	691	848	975	1094
	1/2	3/8	266	375	530	651	750	920	1062	1185
3/4"	1/16	1/16	235	332	471	576	665	815	941	1048
	1/16	1/16	321	455	644	790	910	1120	1285	1450
	1/16	1/2	350	495	700	858	989	1215	1395	1595
	3/8	1/2	407	576	830	1018	1183	1440	1660	1860
1"	1/16	1/16	372	526	744	914	1051	1290	1490	1665
	3/8	1/16	422	597	845	1115	1193	1470	1690	1890
	1/2	1/16	510	720	1018	1250	1440	1760	2035	2280

Pipe Size	631 Dimensions				Weight (oz.)
	A	B	C	D	
1/8"	1 1/8	3/8	1/2	1/2	1
1/4"	1 1/16	1 3/16	5/8	5/8	2
3/8"	1 1/16	1 5/16	3/4	3/4	3 1/4
1/2"	1 5/16	1 1/4	7/8	1	4 3/4
3/4"	2 1/2	1 7/16	1 1/4	1 1/4	16
1"	3	1 13/16	1 1/2	1 1/2	23



Pipe Size	629 Dimensions					Weight (oz.)
	A	B	C	D	E	
1/8"	1	3/16	3/8	1/2	1/2	1
1/4"	1 1/16	1 1/16	1 1/16	5/8	5/8	2
3/8"	1 3/8	3/4	1 1/16	3/4	3/4	3 1/4