



Technical Data Sheet

Product: Clear Stream Jet

Product Code: 22 & 23 Series – refer below and page 2 for models available and performance details.



Series 22 - Swivel Jet below and above 1" BSP



Series 23 - Fixed Jet



Spray ring using Clear Stream Jets

- NCA Clear stream jets are made in three styles, small swivel with lock nut, larger sizes with ball and locking flange (series 22), plus fixed style (series 23), all shown in above pictures.
- The small swivel types to 1" BSP or NPT are precision machined brass and are carried in stock. These are also available in stainless steel, or chromed brass on a custom order basis.
- All swivel jets have a plus or minus 12 degree swivel through 360 degrees.
- The performance tables are based on water supply without turbulent flow. Use straight pipes below jets of at least 10 times the pipe diameter long. Do not exceed 3 degrees swivel adjustment to preserve turbulence free flow.
- Select pipe diameter to suit flow and not the tread size of the jet.
- Creative patterns can be made using these jets, e.g. fallings inwards as shown in the above picture, falling outwards, vertical, wine glass or cross hatch. **Ask NCA to assist with your design.**

NCA - Series 22 - Clear Stream Swivel Jets up to 1" BSPM - Range and Performance Details

	BSP(M)	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Swivel Jet	NCA Code	22-YA-03	22-YB-06	22-YC-10	22-YD-12	22-YE-20	22-YF-25

PERFORMANCE:

Orifice Diameter (mm)		3	5	7	10	12	14	
Overall height (mm)		51	59	63	85	106	112	
Display Height	M	LPM	LPM	LPM	LPM	LPM	LPM	MP
	1	2	5.5	14	22	32	43	1.3
	1.5	2.5	6.9	18	28	39	53	1.8
	2	2.9	8	21	40	46	62	2.5
	3	4	10	25	40	56	77	3.7
	4		12.1	30	46	67	91	5
	5			33	53	76	103	6.2
	6				59	84	114	7.5
	7				63	91	127	9
8					100	136	10	

Note: MP - Pressure in metres required to operate the jet at display height, **for higher displays heights to 180 m contact NCA**

**NCA - Series 22 & 23 - Clear Stream Jet Nozzles above 3/4" BSP –
Range and Performance Details**

Construction: Brass/Bronze

Dimensions:

22 Series Swivel Jet

BSP(F)		1 ½"	2"	3"	4"	2"	3"	4"	4" flanged
NCA Code		22-YG-40	22-YH-50	22-YI-80	22-YJ-100	22-YK-50	22-YL-80	22-YM-100	22-YO-100

23 Series Fixed Jet

BSP(F)	1"	1 1/2"	2"	3"	4"	4"	5"	5"	6"	6"	6"	6"	6"
NCA Code	23-YP-25	23-YQ-40	23-YR-50	23-YS-80	23-YT-100	23-YU-100	23-YV-125	23-YW-125	23-YX-150	23-YY-150	23-YZ-150	23-30-150	23-40-150

Performance:

Orifice Diameter (mm)		12	14	17	20	22	25	28	31	38	44	50	63	76	Inlet Pressure Metric column	
Overall height (mm) Ser. 22			155	190	305	210	190	305	210	229						
Overall height (mm) Ser. 23		102	127	153	242	280	280	330	330	390	390	390	390	390		
Display Height	M	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM	LPM	
	1	32	43	64	88											1.4
	1.5	39	53	80	110											1.9
	2	46	63	92	127	122	150	184	276	400	505	560	1010	1490	2.5	
	3	57	77	115	159	155	190	255	330	510	615	760	1260	1910	3.8	
	4	67	92	136	185	196	230	315	399	580	795	941	1550	2270	5.0	
	5	76	104	152	210	210	275	366	490	670	910	1085	1800	2520	6.3	
	6	84	115	169	235	272	345	438	545	796	1120	1410	2240	3130	7.5	
	8	100	139	201	279	310	416	545	690	1010	1350	1695	2665	3820	9.9	
	10		158	230	321	349	469	580	796	1085	1515	1910	2990	4250	12	
	15				415	408	540	726	905	1300	1770	2240	3490	4930	18	
	20					461	610	798	1012	1445	1980	2520	3960	5614	24	
	30					499	746	976	1226	1780	2415	3200	4860	6945	36	
	40						855	1360	1410	2100	2780	3670	5650	8455	50	
50						971	1335	1624	2360	2945	4140	6405	9210	62		
60						1020	1810	1804	2610	3495	4570	7100	10260	73		
80									2890	3990	5040	8275	11230	98		
100									3180	4155	5400	8100	11960	122		
120											5760	9200	12780	122		