

OVERVIEW: DISTRIBOJET EXTRA LARGE FREE PASSAGE

- Solid cone-shaped spray pattern with round impact area
- Extra large flow passages and large open orifice eliminate clogging
- Internal vane is cast as part of the nozzle
- Uniform spray distribution from 27 to 8728 gpm (122 to 32530 lpm)
- Operating pressures up to 60 psi (4 bar); full cone pattern develops at 1 psi (.07 bar)
- 50°, 60°, 80° and 95° spray angles; 50° and 65° styles feature specially designed grooved orifices for accurate flow rates and spray angle control



DistroJet R, RF and RR Nozzles

The liquid comes in contact with the vane cast inside the nozzle as it enters. This contact causes the liquid to swirl. As the liquid flows through the extra large flow passages, the liquid continues to swirl. The liquid breaks up as it exits the large open orifice producing a deluge-like cone pattern.

DISTRIBOJET EXTRA LARGE FREE PASSAGE OPTIONS



R
2" to 8" female conn.



RF
4" to 12" flange conn.



RR
2" to 8" male conn.

ORDERING INFORMATION

DISTRIBOJET EXTRA LARGE FREE PASSAGE DESIGN

Inlet Conn.	Nozzle Type	Material Code	Spray Angle	Capacity Size	Example
					2 RR - SS 50 45

BSPT connections require the addition of a "B" prior to the inlet connection.

**RELATIVE DROP SIZE
IN MICRONS**

10 to 100	100 to 500	500 to 1000	1000 to 5000
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Drop size will vary based on flow rate and pressure.

QUICK REFERENCE GUIDE

Model	Connection/Type	Connection Size (in.)	Materials	Page Number	
				Performance Data	Dimensions and Weights
R	F, Cast	2 to 8	Brass, 316 stainless steel (SS)	B28, B29	B29
RR	M, Cast	2 to 8			
RF	Flange, Cast	4 to 12			

F = female thread; M = male thread. There is no material code for brass. Leave material code blank when ordering. Other materials available upon request. For more dimensions and sizes, contact your sales engineer.

S PERFORMANCE DATA:
STANDARD ANGLE SPRAY



Inlet Conn. (in.)	Nozzle Type												Capacity Size	Flow Rate Capacity (gallons per minute)							
	R				RR				RF					1 psi	3 psi	5 psi	7 psi	10 psi	20 psi	40 psi	60 psi
	Spray Angle																				
	50°	65°	80°	95°	50°	65°	80°	95°	50°	65°	80°	95°									
2	•	•		•	•	•		•					45	27	45	57	66	78	108	148	179
		•		•		•		•					60	36	60	76	89	104	144	198	238
2-1/2	•	•		•	•	•		•					70	42	70	89	103	122	168	230	278
		•		•		•		•					90	54	90	114	133	157	215	296	357
3	•	•		•	•	•		•					110	66	110	139	162	191	263	362	436
		•		•		•		•					140	84	140	177	207	244	335	461	555
4	•	•	•		•	•	•		•	•	•		160	97	160	202	236	278	383	527	635
		•		•		•		•	•	•		•	190	115	190	240	281	331	455	625	754
		•		•		•		•		•		•	250	151	250	316	369	435	598	823	992
5	•	•	•		•	•	•		•	•	•		250	151	250	316	369	435	598	823	992
		•		•		•		•	•	•		•	280	169	280	354	413	487	670	922	1111
		•		•		•		•		•		•	380	229	380	481	561	661	909	1251	1508
6	•	•	•		•	•	•		•	•	•		360	217	360	455	532	626	862	1185	1428
		•		•		•		•	•	•		•	400	241	400	506	591	696	957	1317	1587
		•		•		•		•		•		•	560	338	560	708	827	974	1340	1844	2222
8	•	•	•		•	•	•		•	•	•		650	392	650	822	960	1131	1556	2140	2579
		•		•		•		•	•	•		•	750	452	750	949	1107	1305	1795	2469	2975
		•		•		•		•		•		•	850	513	850	1075	1255	1479	2034	2798	3372
				•				•				•	1000	603	1000	1265	1477	1740	2393	3292	3967

For orifice information, contact your sales engineer.

Highlighted column shows the rated pressure.

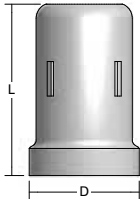
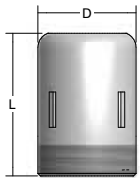
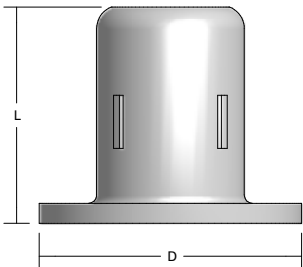
S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

Inlet Conn. (in.)	Nozzle Type												Capacity Size	Flow Rate Capacity (gallons per minute)							
	R				RR				RF					1 psi	3 psi	5 psi	7 psi	10 psi	20 psi	40 psi	60 psi
	Spray Angle																				
	50°	65°	80°	95°	50°	65°	80°	95°	50°	65°	80°	95°									
12												●	1400	845	1400	1771	2067	2436	3351	4609	5554
												●	1600	965	1600	2024	2363	2784	3829	5267	6347
												●	1700	1026	1700	2150	2510	2958	4069	5597	6744
												●	1800	1086	1800	2277	2658	3132	4308	5926	7141
												●	2000	1207	2000	2530	2953	3480	4787	6584	7934
												●	2200	1327	2200	2783	3249	3828	5265	7243	8728

For orifice information, contact your sales engineer.

Highlighted column shows the rated pressure.

DIMENSIONS AND WEIGHTS

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (in.)	D (Dia.) (in.)	Net Weight (oz.)
	R (F)	2	4.438	2.938	48
		2-1/2	5.469	3.469	88
		3	6.500	4.125	7.5 lbs.
		4	8.125	5.000	13.5 lbs.
		5	10.031	6.375	33 lbs.
		6	11.813	7.625	38.5 lbs.
		8	15.313	9.500	75 lbs.
	RR (M)	2	3.250	2.375	32
		2-1/2	4.000	2.875	84
		3	4.875	3.500	92
		4	6.500	4.500	10 lbs.
		5	8.313	5.563	25 lbs.
		6	9.750	6.625	29 lbs.
		8	13.000	8.625	56 lbs.
	RF (Flange)	4	6.563	8.875	23 lbs.
		5	8.813	9.875	39 lbs.
		6	9.813	10.875	45 lbs.
		8	13.000	13.375	85 lbs.
		12	19.500	19.000	201 lbs.

Based on the largest/heaviest version of each type.

