

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



DistriboJet 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 (liters per minute)							
	R				RR				RF					0.1 bar	0.2 bar	0.4 bar	0.5 bar	0.7 bar	1.5 bar	3 bar	4 bar
	Spray Angle																				
	50°	65°	80°	95°	50°	65°	80°	95°	50°	65°	80°	95°									
2	•	•		•	•	•		•					45	122	168	231	256	298	424	583	665
		•		•		•		•					60	163	224	308	341	398	565	777	887
2-1/2	•	•		•	•	•		•					70	190	261	359	398	464	659	907	1035
		•		•		•		•					90	244	335	461	511	597	848	1166	1331
3	•	•		•	•	•		•					110	298	410	564	625	730	1036	1425	1627
		•		•		•		•					140	379	522	718	795	929	1318	1814	2070
4	•	•	•		•	•	•		•	•	•		160	434	596	820	909	1061	1507	2073	2366
		•		•		•		•	•	•		•	190	515	708	974	1079	1260	1789	2461	2809
		•		•		•		•		•		•	250	677	932	1282	1420	1658	2354	3238	3697
5	•	•	•		•	•	•		•	•	•		250	677	932	1282	1420	1658	2354	3238	3697
		•		•		•		•	•	•		•	280	759	1044	1436	1591	1857	2637	3627	4140
		•		•		•		•		•		•	380	1030	1416	1948	2159	2520	3579	4922	5619
6	•	•	•		•	•	•		•	•	•		360	975	1342	1846	2045	2388	3390	4663	5323
		•		•		•		•	•	•		•	400	1084	1491	2051	2273	2653	3767	5181	5915
		•		•		•		•		•		•	560	1517	2087	2871	3182	3714	5274	7254	8280
8	•	•	•		•	•	•		•	•	•		650	1761	2423	3333	3693	4311	6121	8420	9611
		•		•		•		•	•	•		•	750	2032	2795	3845	4261	4974	7063	9715	11090
		•		•		•		•		•		•	850	2303	3168	4358	4829	5637	8005	11011	12569
				•				•				•	1000	2710	3727	5127	5681	6632	9417	12954	14787

For orifice information, contact your sales engineer.

Highlighted column shows the rated pressure.



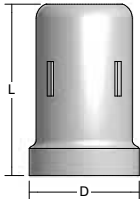
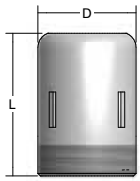
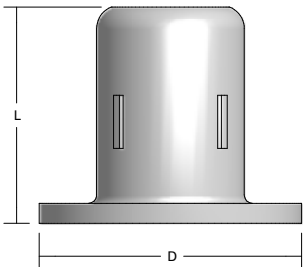
S PERFORMANCE DATA:
STANDARD ANGLE SPRAY

Inlet Conn. (in.)	Nozzle Type												Capacity Size	Flow Rate Capacity (liters per minute)							
	R				RR				RF					0.1 bar	0.2 bar	0.4 bar	0.5 bar	0.7 bar	1.5 bar	3 bar	4 bar
	Spray Angle																				
	50°	65°	80°	95°	50°	65°	80°	95°	50°	65°	80°	95°									
12												●	1400	3794	5218	7178	7954	9285	13184	18135	20701
												●	1600	4335	5964	8203	9090	10612	15067	20726	23658
												●	1700	4606	6336	8716	9658	11275	16009	22021	25137
												●	1800	4877	6709	9229	10226	11938	16951	23317	26616
												●	2000	5419	7455	10254	11363	13265	18834	25907	29573
												●	2200	5961	8200	11279	12499	14591	20718	28498	32530

For orifice information, contact your sales engineer.

Highlighted column shows the rated pressure.

DIMENSIONS AND WEIGHTS

Nozzle	Nozzle Type	Inlet Conn. (in.)	L (mm)	D (Dia.) (mm)	Net Weight (kg)
	R (F)	2	112.7	74.6	1.36
		2-1/2	138.9	88.1	2.49
		3	165.1	104.8	3.40
		4	206.4	127.0	6.12
		5	254.8	161.9	14.97
		6	300.0	193.7	17.46
		8	388.9	241.3	34.02
	RR (M)	2	82.6	60.3	0.91
		2-1/2	101.6	73.0	2.38
		3	123.8	88.9	2.61
		4	165.1	114.3	4.54
		5	211.1	141.3	11.34
		6	247.7	168.3	13.15
		8	330.2	219.1	25.40
	RF (Flange)	4	166.7	225.4	10.43
		5	223.8	250.8	17.69
		6	249.2	276.2	20.41
		8	330.2	339.7	38.56
		12	495.3	482.6	91.17

Based on the largest/heaviest version of each type.

