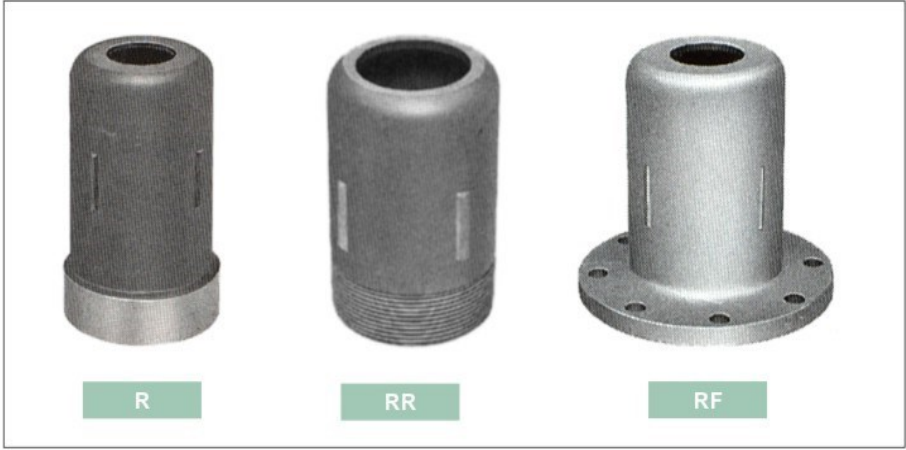


R series large flow rate full cone nozzles



DESIGN FEATURES

R series full cone nozzles feature a solid cone-shaped spray pattern with a round impact area and spray angles from 50 to 95°.

They utilize an internal vane...cast as part of the nozzle...with extra-large flow passages and a large open orifice to assure non-clogging operation.

Their design allows an operating range 0.07-4bar with a full cone spray pattern developing at 0.07bar.

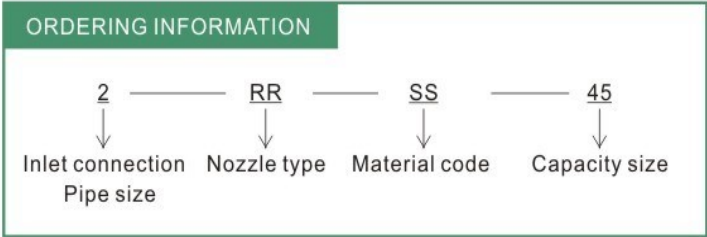
They produce very large droplets.

The 50° and 65° series have specially designed grooved orifices for accurate flow rate and spray angle control with their narrow sprays.

R	Nozzle Inlet Conn. NPT or BSPT	A mm	B mm	Net Weight Kg	RR	Nozzle Inlet Conn. NPT or BSPT	A mm	B mm	Net Weight Kg	RF	Flange size	A mm	B mm	Net Weight Kg
●	2	113	75 dia.	1.4	●	2	82.5	60 dia.	0.91	●	4	167	225 dia.	10.5
	2 1/2	139	88 dia.	2.3		2 1/2	102	73 dia.	2.4		5	208	251 dia.	17.7
	3	165	105 dia.	3.4		3	124	89 dia.	2.6		6	249	276 dia.	20.5
	4	206	127 dia.	6.1		4	165	114 dia.	4.5		8	330	340 dia.	38.6
	5	255	162 dia.	15.0		5	206	141 dia.	11.4		12	495	483 dia.	50.0
	6	300	194 dia.	17.5		6	248	168 dia.	13.2					
	8	389	241 dia.	34.1	8	330	219 dia.	25.5						

COMMON APPLICATIONS

- Deluging for flooding with large volumes of liquid
- Quenching and cooling
- Fire protection
- Deaerating
- Chemical processing



PERFORMANCE DATA

Male BSPT/NP (in)	Spray nozzle No.												Capacity size	Inner Orifice Diam. Nom. (mm)	Orifice Diam. Nom. (mm)	Capacity (liters per minute)										
	R(F Conn.)				RR(M Conn.)				RF(Flange Conn.)							0.1Bar	0.2Bar	0.3Bar	0.5Bar	0.7Bar	1Bar	1.5Bar	2Bar	3Bar	4Bar	
	50°	65°	80°	95°	50°	65°	80°	95°	50°	65°	80°	95°														
2	●				●								45	25.4		122	168	205	255	300	355	425	485	590	670	
		●				●							45	27												
				●				●					45		29											
		●					●						60	32.1		163	225	270	340	400	470	570	650	780	890	
				●				●					60		36.1											
2-1/2	●				●								70	31.4		190	260	315	400	465	550	660	760	910	1040	
		●				●							70	34.1												
				●				●					70		36.5											
		●					●						90	39.7		245	335	405	510	600	710	850	970	1170	1330	
				●				●					90		44.8											
3	●				●								110	39.3		300	410	495	630	730	860	1040	1190	1430	1630	
		●				●							110	42.5												
				●				●					110		46.4											
		●					●						140	50		380	530	630	800	930	1110	1320	1510	1820	2070	
				●				●					140		57.2											
4	●				●						●		160	47.6		435	600	720	910	1070	1250	1510	1720	2080	2810	
		●				●					●		160	51.2												
				●				●				●	160		54											
	●				●						●		190	52		520	710	860	1080	1260	1490	1790	2050	2470	3700	
		●				●					●		190	56												
				●				●				●	190		60.3											
		●				●					●		250	66.7		680	940	1130	1420	1660	1960	2360	2690	3240	3700	
5				●							●		250	59.9		680	940	1130	1420	1660	1960	2360	2690	3240	3700	
		●				●					●		250	63.9												
				●				●				●	250		67.5											
	●				●						●		280	62.7		760	1050	1260	1590	1860	2190	2640	3010	3630	4140	
		●				●					●		280	67.5												
				●				●				●	280		72.6											
		●				●					●		380	81.8		1030	1420	1710	2160	2520	2970	3580	4090	4930	5620	
6				●							●		360	71.8		980	1350	1620	2050	2390	2820	3390	3870	4670	5330	
		●				●					●		360	76.6												
				●				●				●	360		81											
	●				●						●		400	75.4		1090	1490	1800	2280	2660	3130	3770	4300	5190	5920	
		●				●					●		400	81												
				●				●				●	400		86.5											
		●				●					●		560	99.6		1520	2090	2520	3190	3720	4380	5280	6020	7260	8280	
8				●							●		650	96.4		1770	2430	2920	3700	4310	5080	6130	6990	8420	9620	
		●				●					●		650	103												
				●				●				●	650		110											
	●				●						●		750	103		2040	2800	3370	4260	4980	5870	7070	8070	9720	11100	
		●				●					●		750	112												
				●				●				●	750		121											
		●				●					●		850	121		2310	3170	3820	4830	5640	6650	8010	9140	11000	12600	
12				●							●		1000	159		2710	3730	4500	5690	6640	7820	9420	10700	13000	14800	
											●		1400	160		3800	5220	6290	7960	9290	10900	13200	15000	18100	20700	
											●		1600	174		4340	5970	7190	9090	10600	12500	15100	17200	20700	23700	
											●		1700	183		4610	6340	7640	9660	11300	13300	16000	18300	22000	25100	
											●		1800	191		4880	6710	8090	10200	11900	14100	16900	19300	23000	26600	
											●		2000	209		5420	7460	8990	11400	13300	15600	18800	21500	25900	29600	
											●		2200	230		5920	8200	9890	12500	14600	17200	20700	23600	28500	32500	