

Right Angle Tangential-flow Full Cone Nozzles



GA



GGA

Performance Data

Standard Angle

	Nozzle Type		Flow code	Rated spray hole Dia (mm)	Max expedite Dia(mm)	Flow rate L/min										Spray angle		
	(F)connector	(M)connector				0.5bar	0.7bar	1bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar	0.5bar	1.5bar	6bar
	GA	GGA																
1/8	●	●	1	0.79	0.64		0.38	0.54	0.62	0.74	0.85	0.94	1.0	1.1	1.3		58°	53°
	●	●	1.5	1.2	0.64	0.49	0.57	0.81	0.93	1.1	1.3	1.4	1.5	1.7	1.9	52°	65°	59°
	●	●	2	1.2	1.0	0.65	0.76	1.1	1.2	1.5	1.7	1.9	2.0	2.2	2.6	43°	50°	46°
	●	●	3	1.5	1.0	0.98	1.1	1.6	1.9	2.2	2.5	2.8	3.1	3.3	3.9	52°	65°	59°
	●	●	3.5	1.6	1.3	1.1	1.3	1.9	2.2	2.6	3.0	3.3	3.6	3.9	4.5	43°	50°	46°
	●	●	3.9	2.0	1.0	1.3	1.5	2.1	2.4	2.9	3.3	3.7	4.0	4.3	5.1	77°	84°	79°
	●	●	5	2.0	1.3	1.6	1.9	2.7	3.1	3.7	4.2	4.7	5.1	5.5	6.5	52°	65°	59°
1/4	●	●	6.5	2.38	1.6	2.1	2.5	3.5	4.0	4.8	5.5	6.1	6.7	7.1	8.4	45°	50°	46°
	●	●	10	3.18	1.6	3.3	3.8	5.4	6.2	7.4	8.5	9.4	10.2	11.0	13.0	58°	67°	61°
3/8	●	●	9.5	2.6	2.4	3.1	3.6	5.1	5.9	7.1	8.1	8.9	9.7	10.4	12.3	45°	50°	46°
	●	●	15	3.6	2.4	4.9	5.7	8.1	9.3	11.2	12.7	14.1	15.4	16.5	19.4	64°	67°	61°
	●	●	20	4.0	2.8	6.5	7.6	10.8	12.4	14.9	17.0	18.8	20	22	26	76°	80°	73°
	●	●	22	4.5	2.8	7.2	8.4	11.9	13.6	16.4	18.7	21	23	24	28	87°	90°	82°
1/2	●	●	16	3.5	3.2	5.2	6.1	8.7	9.9	11.9	13.6	15.1	16.4	17.6	21	48°	50°	46°
	●	●	25	4.6	3.2	8.2	9.5	13.5	15.4	18.6	21	24	26	27	32	64°	67°	61°
	●	●	32	5.2	3.6	10.4	12.2	17.3	19.8	24	27	30	33	35	41	72°	75°	68°
	●	●	40	6.2	3.6	13.1	15.2	22	25	30	34	38	41	44	52	88°	91°	83°

Right Angle Tangential-flow Full Cone Nozzles have the following features:

- Right Angle Tangential-flow Full Cone Nozzles are with corner type spray design
- Spray shape is round full cone . The effect is same as full cone nozzles
- The installation is suitable for fit on pipe with side holes
- Spray angles: 40° to 120°
- Connections: 1/8" to 2" (male and female NPT and BSPT)
- Operating pressure range: up to 400 psi (25 bar)
- General Application :

Cooling

Dust suppression

Fire Protection

Chemical Injection

Washing or cleaning

Wide Angle

Inlet Connector size	Flow code	Nozzle Type		Rated spray hole Dia (mm)	Max clear Dia(mm)	Flow rate L/min										Spray angle		
		GA	GGA			0.3bar	0.5bar	0.7bar	1bar	2bar	3bar	4bar	5bar	6bar	0.3bar	0.7bar	6bar	
1/8	4.3W	●	●	2.0	1.0			1.6	1.9	2.6	3.1	3.5	3.9	4.2		120°	102°	
	5.6W	●	●	2.4	1.0		1.8	2.1	2.5	3.4	4.0	4.6	5.1	5.5		120°	102°	
	8W	●	●	2.4	1.3		2.6	3.0	3.6	3.6	4.8	5.8	6.6	7.2		120°	103°	
1/4	10W	●	●	2.8	1.3	2.6	3.3	3.8	4.5	6.0	7.2	8.2	9.1	9.8	112°	120°	103°	
	12W	●	●	3.2	1.3	3.1	3.9	4.6	5.3	7.3	8.7	9.8	10.9	11.8	114°	120°	103°	
	14W	●	●	3.6	1.6	3.7	4.6	5.3	6.2	8.5	10.1	11.5	12.7	13.7	114°	120°	103°	
3/8	20W	●	●	4.4	2.4	5.2	6.6	7.6	8.9	12.1	14.5	16.5	18.1	19.6	114°	120°	104°	
	24W	●	●	4.8	2.4	6.3	7.9	9.1	10.7	14.5	17.3	19.7	22	24	114°	120°	104°	
	27W	●	●	5.2	2.8	7.1	8.9	10.3	12.0	16.3	19.5	22	24	26	114°	120°	106°	
1/2	35W	●	●	6.0	3.2	9.2	11.5	13.3	15.6	21	25	29	32	34	114°	120°	108°	
	40W	●	●	6.4	3.2	10.5	13.1	15.2	17.8	24	29	33	36	39	114°	120°	108°	
	45W	●	●	6.4	3.6	11.8	14.8	17.1	20	27	33	37	41	44	114°	120°	110°	
	50W	●	●	6.7	4.0	13.1	16.4	19.1	22	30	36	41	45	49	114°	120°	112°	

