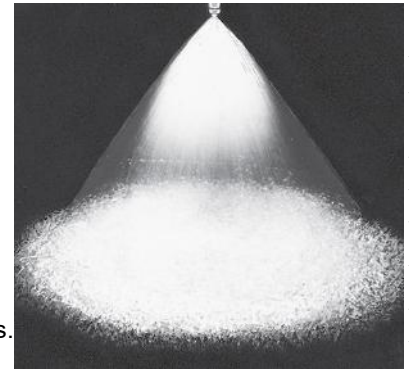


Standard type full cone nozzle

Features and Benefits

- Solid cone-shaped spray pattern with round impact area.
- Uniform distribution over a wide range of flow rates and pressures.
- Medium- to large-sized drops.
- * Unique vane design with large control and uniform distribution.
- Removable caps and vanes for easy inspection and cleaning on most models.
- Removable vane has location marks for proper positioning after cleaning.
- Set screws in some models secure the vane in the nozzle to prevent dislocation caused by vibration.
- Polypropylene material option offers exceptional chemical and corrosion resistance and resists caking and buildup.
- For installations with space limitations, right-angle mounting options allow formounting at a 90° angle.



G



Removable cap and vane
1/8" to 1/2" NPT or BSPT (F)

GG



Removable cap and vane
1/8" to 1/2" NPT or BSPT (F)

H



One-piece body
3/4" to 1" NPT or BSPT (F)

HH



One-piece body
1/8" to 1" NPT or BSPT (M)

GA



Angle type
Removable cap and vane
1/8" to 1/2" NPT or BSPT (F)

GGA



Angle type
Removable cap and vane
1/8" to 1/2" NPT or BSPT (F)

Applications

- Cooling coke, primary metals and other materials
- Creation/dispersion of drops in chemical reaction processing
- Dust control
- Fire suppression/prevention
- Foam break-up, aeration, deaeration
- Gas scrubbing, washing, cooling
- Washing/rinsing

Standard type full cone nozzle

Performance Data **At the stated pressure in bar.

Inlet Conn. (In.)	Nozzle Type						Capacity Size	Orifice Dia. Nom. mm	Max. Free Passage Dia. mm)	Flow rate l/min)*										Spray angle ° *		
	Standard Type			Angle						0,4	0,5	0,7	1,5	2	3	4	6	7	10	0,5	1,5	6
	G	GG	H	HH	GA	GGA																
1/8							1	.79	.64	.29	.33	.38	.54	.62	.74	.85	1	1,1	1,3	-	58	53
							1,5	1,2	.64	.44	.49	.57	.81	.93	1,1	1,3	1,5	1,6	1,9	52	65	59
							2	1,2	1,0	.59	.65	.76	1,1	1,2	1,5	1,7	2,0	2,2	2,6	43	50	46
							3	1,5	1,0	.88	.98	1,1	1,6	1,9	2,2	2,5	3,1	3,3	3,9	52	65	59
							3.5	1,6	1,3	1,0	1,1	1,3	1,9	2,2	2,6	3,0	3,6	3,8	4,5	43	50	46
							3.9	2,0	1,0	1,1	1,3	1,5	2,1	2,4	2,9	3,3	4,0	4,3	5,1	77	84	79
							5	2,0	1,3	1,5	1,6	1,9	2,7	3,1	3,7	4,2	5,1	5,5	6,5	52	65	59
1/4							6.1	2,3	1,3	1,8	2,0	2,3	3,3	3,8	4,5	5,2	6,2	6,7	7,9	69	74	68
							6.5	2,4	1,6	1,9	2,1	2,5	3,5	4,0	4,8	5,5	6,7	7,1	8,4	45	50	46
							10	3,2	1,6	2,9	3,3	3,8	5,4	6,2	7,4	8,5	10,2	11,0	13,0	58	67	61
3/8							12.5	3,2	1,6	3,7	4,1	4,8	6,8	7,7	9,3	10,6	12,8	13,7	16,2	69	74	68
							9.5	2,6	2,4	2,8	3,1	3,6	5,1	5,9	7,1	8,1	9,7	10,4	12,3	45	50	46
							15	3,6	2,4	4,4	4,9	5,7	8,1	9,3	11,2	12,7	15,4	16,5	19,4	64	67	61
							20	4,0	2,8	5,9	6,5	7,6	10,8	12,4	14,9	17,0	20	22	26	76	80	73
1/2							22	4,5	2,8	6,5	7,2	8,4	11,9	13,6	16,4	18,7	23	24	28	87	90	82
							16	3,5	3,2	4,7	5,2	6,1	8,7	9,9	11,9	13,6	16,4	17,6	21	48	50	46
							25	4,6	3,2	7,4	8,2	9,5	13,5	15,4	18,6	21	26	27	32	64	67	61
							32	5,2	3,6	9,4	10,4	12,2	17,3	19,8	24	27	33	35	41	72	75	68
							40	6,2	3,6	11,8	13,1	15,2	22	25	30	34	41	44	52	88	91	83
3/4							50	6,7	4,0	14,7	16,3	19,1	27	31	37	42	51	55	65	91	94	86
							2.5	4,9	4,4	8,7	9,6	11,2	15,9	18,2	22	25	30	32	38	48	50	46
							4.0	6,4	4,4	13,9	15,4	18,0	26	29	35	40	48	52	61	67	70	63
1							7.0	9,5	5,2	24	27	31	45	51	61	70	84	91	107	89	92	84
							4.2	6,0	5,6	14,6	16,2	18,9	27	31	37	42	51	54	64	48	50	46
							7.0	8,3	5,6	24	27	31	45	51	61	70	84	91	107	67	68	62
							8.0	9,5	5,6	28	31	36	51	58	70	80	97	104	122	72	81	82
							10	11,9	5,6	35	38	45	64	73	88	100	121	130	153	78	90	94
						12	11,9	6,4	42	46	54	77	87	105	120	145	155	183	89	92	84	

Maximum Free Passage Diameter is the maximum diameter as listed of foreign matter that can pass through the nozzle without clogging.

Standard type full cone nozzle

Dimensions and Weights

Photo	Nozzle Type	Inlet Conn. (in.)	Length(m m)	Dia. (mm)	Hex. (mm)	Net Weight(kg)
	G(F)	1/8	31	—	14,3	.03
		1/4	37,5	—	17,5	.04
		3/8	46	—	20,6	.07
		1/2	57	—	25,4	.17
	GG(M)	1/8	32,5	—	14,3	.02
		1/4	39,5	—	17,5	.04
		3/8	47	—	20,6	.07
		1/2	56,5	—	25,4	.17
	HH(M)	1/8	22,2	12.7dia.	—	.03
		1/4	23	14dia.	—	.01
		3/8	30	17dia.	—	.03
		1/2	35	121dia.	—	.04
3/4		40,5	27	—	.10	
		1	53	33	—	.20

Based on largest/heaviest version of each type.

Photo	Nozzle Type	Inlet Conn. (in.)	A(mm)	B(mm)	C(mm sq.)	D(mm)	L(mm)	Net Weight(kg)
	GA (F)	1/8	17,5	16	14,3	24,5	23	.04
		1/4	22	20	17,5	31	29,5	.06
		3/8	25,5	22	20,6	36,5	32,5	.09
		1/2	39	27	25,4	51,5	40	.18
	GGA (M)	1/8	17,5	16,5	14,3	24,5	24	.04
		1/4	22	20,5	17,5	32	29,5	.06
		3/8	25,5	23	20,6	36,5	33,5	.09
		1/2	39	28,5	25,4	51,5	41,5	.18

Based on largest/heaviest version of each type.

Material

Material	Material Code	Nozzle Type					
		G	GG	H	HH	GA	GGA
Bar materia							
brass							
303 SS	SS						
316SS	316SS						
Polypropylene†	PP						
Polyvinyl Chloride	PVC						

Ordering Info

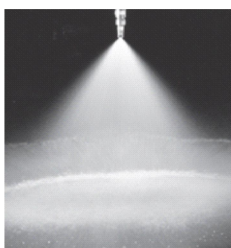
Standard Spray Nozzle
Inlet Conn. 1/4
Nozzle Type G
Material Code:SS
Capacity Size:14

Tertech AS
 Skjelt-Ole bakken 9, 6270 BRATVAAG, NORWAY
 Tlf +47 408 37138/415 25086
 e.mail: sales@tertech.no www.tertech.no

Wide angle spray full cone nozzle

Features and Benefits

- Wide-angle solid cone-shaped spray pattern with round impact area and spray angles from 120° to 125° at 10 psi (0.7
- Unique vane design with large flow passages provides superior control and uniform distribution.
- Removable caps and vanes for easy inspection and cleaning on most models.
- Removable vane has location marks for proper positioning after cleaning.
- Set screw secures vane in the nozzle to ensure it is not dislodged by vibration.
- Set screw secures vane in the nozzle to ensure it is not dislodged by vibration.
- For installations with space limitations, right-angle mounting options allow for mounting at a 90° angle.



G-W



Three-piece construction
(body/cap/vane)
Removable cap and vane
1/8" to 1/2" NPT or BSPT (F)

GG-W



Three-piece construction
(body/cap/vane)
Removable cap and vane
1/8" to 1/2" NPT or BSPT (M)

GA-W



Angle type
Removable cap and vane
1/8" to 1/2" NPT or BSPT (F)

H-W



One-piece body
3/4" to 1" NPT or BSPT (F)

HH-W



One-piece body
1/8" to 1-1/2" NPT or BSPT
(M)

GGA-W



Angle type
Removable cap and vane
1/8" to 1/2" NPT or BSPT (M)

Wide angle spray full cone nozzle

Applications

- Cooling of primary metals and other materials
- Creating and dispersing drops in chemical reaction processing
- Deluging combustible materials and storage tanks for firesuppression/prevention
- Dust control in the processing of bulk ores, coal, limestone,sand, gravel
- Foam break-up, aeration, deaeration
- Gas scrubbing, washing, cooling
- Washing/rinsing

Material

Material	Material Code	Nozzle type					
		G-W	GG-W	GA-W	GGA-W	HH-W	H-W
Bar Stock:							
Brass	()						
303 Stainless Steel	SS						
316 Stainless Steel	316SS						
Polypropylene†	PP						
Polyvinyl Chloride	PVC						

Ordering Info

Standard Spray Nozzle
Inlet Conn. 1/4
Nozzle Type G
Material Code:SS
Capacity Size:14W

Wide angle spray full cone nozzle																			

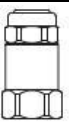



Performance Data *At the stated pressure in bar

Inlet Conn. (in.)	Nozzle Type						Capacity Size	Orifice Dia. Nom. (mm)	Max. Free Passage Dia. (mm)	Flow rate l/min)*										Spray Angle ° *		
	Standard Type				Angle					0,4	0,5	0,7	1	1,5	2	3	4	6	0,4	0,7	6	
	G-W	GG-W	HH-W	H-W	GA-W	GGA-W																
1/8							1.5W	1,2	.64	—	—	.57	.67	.81	.93	1.1	1,3	1,5	—	120	86	
							2.8W	1,6	1.0	—	—	1.1	1.3	1.5	1.7	2.1	2,4	2,9	—	120	102	
							4.3W	2.0	1.0	—	—	1.6	1.9	2.3	2.7	3.2	3,7	4,4	—	120	102	
							5.6W	2.4	1.0	—	1.8	2.1	2.5	3.0	3.5	4.2	4,8	5,7	—	120	102	
							8W	2.4	1.3	—	2.6	3.0	3.6	4.3	4.9	6.0	6,8	8,2	—	120	103	
1/4							10W	2.8	1.3	2.9	3.3	3.8	4.5	5.4	6.2	7.4	8,5	10,2	112	120	103	
							12W	3.2	1.3	3.5	3.9	4.6	5.4	6.5	7.4	8.9	10,2	12,3	114	120	103	
							14W	3.6	1.6	4.1	4.6	5.3	6.3	7.6	8.6	10.4	11,9	14,3	114	120	103	
3/8							17W	4.0	1.6	5.0	5.6	6.5	7.6	9.2	10.5	12.7	14,4	17,4	114	120	103	
							20W	4.4	2.4	5.9	6.5	7.6	9.0	10.8	12.4	14.9	17.0	20	114	120	104	
							24W	4.8	2.4	7.1	7.8	9.1	10.8	13.0	14.8	17.9	20	25	114	120	104	
							27W	5.2	2.8	8	8.8	10.3	12.1	14.6	16.7	20	23	28	114	120	106	
1/2							30W	5.6	2.8	8.8	9.8	11.4	13.5	16.2	18.5	22	25	31	114	120	108	
							35W	6.0	3.2	10.3	11.4	13.3	15.7	18.9	22	26	30	36	114	120	108	
							40W	6.4	3.2	11.8	13.1	15.2	18.0	22	25	30	34	41	114	120	108	
							45W	6.4	3.6	13.3	14.7	17.2	20	24	28	34	38	46	114	120	110	
							50W	6.7	4.0	14.7	16.3	19.1	22	27	31	37	42	51	114	120	112	
3/4							6W	9.9	4.4	21	23	27	31	37	42	51	58	69	115	120	112	
1							11W	13.1	5.6	38	42	49	57	69	78	93	106	126	117	120	117	

Maximum Free Passage Diameter is the maximum diameter as listed of foreign matter that can pass through the nozzle without clogging.

Wide angle spray full cone nozzle

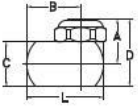
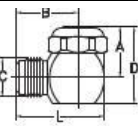
Dimensions and Weights

Photo	Nozzle Type	Inlet Conn. (in.)	Length (mm)	Dia. (mm)	Hex (mm)	Net Weight (kg)
	G-W (F)	1/8	31	—	14,3	.03
		1/4	37,5	—	17,5	.04
		3/8	46	—	20,6	.07
		1/2	57	—	25,4	.17
	GG-W (M)	1/8	32,5	—	14,3	.02
		1/4	39,5	—	17,5	.04
		3/8	47	—	20,6	.07
		1/2	56,5	—	25,4	.17
	HH-W (M)	1/8	17,5	13	—	.01
		1/4	23	14	—	.01
		3/8	30	17	—	.03
		1/2	35	21	—	.04
		3/4	40,5	27	—	.10
		1	53	33	—	.20
		1-1/4	69,8	42,9	—	.07
1-1/2	82,6	50,8	—	.09		
	H-W (F)	3/4	55,5	32	—	.21
		1	70	38	—	.37

Based on largest/heaviest version of each type.



Wide angle FullJet nozzles are mounted under scaffolding to clean building exteriors.

Photo	Nozzle Type	Inlet Conn. (in.)	A (mm)	B (mm)	C (mm)	D (mm)	L (mm)	Net Weight (kg)
	GA-W (F)	1/8	17,5	15,9	14,3	24,6	23	.04
		1/4	22,2	19,8	17,5	31	29,5	.06
		3/8	25,4	22,2	20,6	36,5	32,5	.09
		1/2	38,9	27	25,4	51,6	40	.18
	GGA-W (M)	1/8	17,5	16,7	14,3	24,6	24	.04
		1/4	22,2	20,6	17,5	31,8	29,5	.06
		3/8	25,4	23	20,6	36,5	33,5	.09
		1/2	38,9	28,6	25,4	51,6	41,5	.18

Based on largest/heaviest version of each type.

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