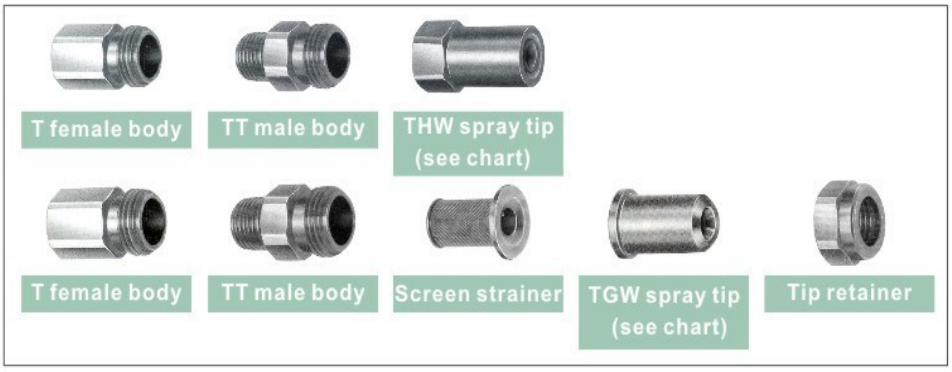
TGW/THW combined wide-angle full cone nozzles

DESIGN FEATURES

Wide angle full cone spray tips produce a uniform spray of medium to coarse droplets across their entire spray area...giving excellent results in spraying applications requiring complete coverage.
The wide angle spray tips feature a solid cone-shaped spray pattern with a round impact area and spray angles of 102° to 120°...providing a wide selection of low flow rates.
The uniform distribution results from a unique internal design ...and engineered to assure accurate and consistent performance.
THW wide angle full cone spray tips are designed so that the spray tip serves as tip and tip retainer in one .
The spray tips produce a uniform spray of medium to coarse droplets...featuring a solid cone-shaped spray pattern with a round impact area and spray angles of 102° to 120°.They were engineered to assure accurate and consistent performance.



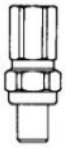
PERFORMANCE DATA

Nozzle Inlet Conn.BSP Tor NPT	Tip style		Capacity sizc	Orifice Diam.Nom (mm)	Max free passage Diam. (mm)	Capacity (liters per minute)									Spray angle		
	TGW	THW				0.3Bar	0.5Bar	0.7Bar	1Bar	2Bar	3Bar	4Bar	5Bar	6Bar	0.3Bar	0.7Bar	6Bar
1/8"	●	●	2.8W	1.6	1.0			1.1	1.2	1.7	2.0	2.3	2.5	2.7		120°	102°
	●	●	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	4.8	5.8	6.6	7.2	7.8		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"		●	17W	4.0	1.6	4.5	5.6	6.5	7.6	10.3	12.3	13.9	15.4	16.7	114°	120°	103°
		●	20W	4.4	2.4	5.2	6.6	7.6	8.9	12.1	14.5	16.4	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	16.3	19.5	22	24	26	114°	120°	106°
1/2"		●	30W	5.6	2.8	7.9	9.9	11.4	13.4	18.1	22	25	27	29	114°	120°	108°
		●	35W	6.0	3.2	9.2	11.5	13.3	15.6	21	25	29	32	34	114°	120°	108°

Foreign mattern with maxium diameter as listed can pass through nozzle without clogging.

Remark
Brass
SS-Stainless steel

DIMENSIONS & WEIGHTS



Nozzle type	Max. Length (mm)	Max.Hex.(mm)	Weight (g)
1/4T+TGW	55	20.6	90
1/4TT+TGW	57	20.6	70
1/4T+THW	54.5	20.6	90
1/4TT+THW	57	20.6	90

ORDERING INFORMATION

1/4F — TGW — 5.6W — SS

↓ Inlet Connection ↓ Tip type ↓ Capacity size ↓ Material code

COMMON APPLICATIONS

- Washing & rinsing processes.
- Quenching & cooling of coke,primary metals and other materials
- Suppression of fugitive dust in the processing of bulk ores,coal , limestone,sand and gravel.
- Scrubbing ,washing and cooling of flue gases to remove fly ash and other products of combustion.
- Deluging combustible materials and storage tanks for fire suppression and prevention.
- Breaking up and deaerating foam.
- Creating and dispersing droplets in chemical reaction processing.