



THE
SPRAY NOZZLE
PEOPLE

THW

**Tangential Inlet
Wide Spray Band**

HOLLOW CONE

DESIGN FEATURES

- ✓ Large free passage
- ✓ Clog-resistant; nozzles have no internal parts
- ✓ Wide spray band
- ✓ Female connection
- ✓ Flanged connection available
- ✓ Silicon carbide available upon request
- ✓ Inlet and outlet are in-line

SPRAY CHARACTERISTICS

- ✓ Spray pattern: Hollow Cone
- ✓ Spray angle: Wide
- ✓ Flow rates: 15.3 to 2230 l/min



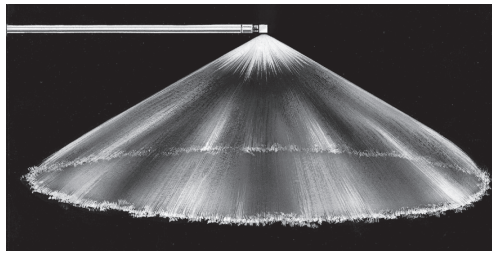
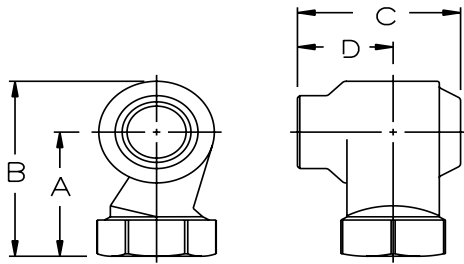
The THW is a tangential whirl style hollow cone spray nozzle. It produces a spray that has a wider band hollow cone than other hollow cone designs. It comes with a flanged connection and is used in a variety of industrial spray applications including:

Absorber Sprayers
Cooling Ponds
Pollution Control
Gas Scrubbing
And many more.

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The Go-to People for spray nozzle solutions



THW Flow Rates and Dimensions

Hollow Cone, Wide Spray Angles, 1" to 3" Pipe Sizes, BSP or NPT

Female Pipe Size	Nozzle No	Spray Angle @ Bar				Litre per minute at bar										Dimensions (mm)				Wt kg
		0.3	1	3	K	0.2 bar	0.3 bar	0.5 bar	0.7 bar	1 bar	1.5 bar	2 bar	3 bar	Ori Dia	Fre- Pass	A	B	C	D	
1"	THFW1508	100°	100°	100°	34.2	15.3	18.7	24.2	28.6	34.2	41.9	48.3	59.2	8.73	8.73	58.7	79.5	63.3	39.4	0.47
	THFW1808	115°	115°	115°	41	18.3	22.5	29	34.3	41	50.2	58	71	9.53	9.53					
	THFW2308	120°	120°	120°	52.4	23.4	28.7	37.1	43.9	52.4	64.2	74.1	90.8	11.1	11.1					
	THFW2708	120°	120°	120°	61.5	27.5	33.7	43.5	51.5	61.5	75.4	87	107	11.9	11.9					
	THFW3208	120°	120°	120°	72.9	32.6	39.9	51.6	61	72.9	89.3	103	126	13.9	13.9					
	THFW3808	120°	120°	120°	86.6	38.7	47.4	61.2	72.5	86.6	106	122	150	15.2	15.2					
1 ¼"	THFW3210	120°	120°	120°	72.9	32.6	39.9	51.6	61	72.9	89.3	103	126	13.9	13.9	74.2	99.3	75.4	46.7	0.75
	THFW3810	125°	125°	125°	86.6	38.7	47.4	61.2	72.5	86.6	106	122	150	15.9	15.9					
	THFW4110	125°	125°	125°	93.4	41.8	51.2	66.1	78.2	93.4	114	132	162	16.7	16.7					
	THFW5210	125°	125°	125°	119	53	64.9	83.8	99.1	119	145	168	205	19.8	19.8					
	THFW7010	125°	125°	125°	160	71.3	87.4	113	133	160	195	226	276	26.2	26.2					
1 ½"	THFW6112	110°	110°	110°	139	62.2	76.1	98.3	116	139	170	197	241	19.4	19.4	75.7	105	94	59.9	0.88
	THFW7012	112°	115°	115°	160	71.3	87.4	113	133	160	195	226	276	21.4	21.4					
	THFW7712	117°	120°	120°	175	78.5	96.1	124	147	175	215	248	304	23.4	23.4					
	THFW9012	117°	120°	120°	205	91.7	112	145	172	205	251	290	355	26.2	26.2					
	THFW12712	117°	120°	120°	289	129	159	205	242	289	354	409	501	32.9	27					
	THFW14512	117°	120°	120°	330	148	181	234	276	330	405	467	572	36.1	27					
2"	THFW8516	112°	115°	115°	194	86.6	106	137	162	194	237	274	336	21.8	21.8	92.2	131	117	72.6	1.47
	THFW10516	120°	122°	122°	239	107	131	169	200	239	293	338	414	25.4	25.4					
	THFW12516	119°	122°	122°	285	127	156	201	238	285	349	403	493	29	29					
	THFW14516	122°	125°	125°	330	148	181	234	276	330	405	467	572	32.1	32.1					
	THFW17016	125°	125°	125°	387	173	212	274	324	387	474	548	671	35.3	35.3					
	THFW19216	125°	125°	125°	438	196	240	309	366	438	536	619	758	38.5	36.5					
	THFW20516	125°	125°	125°	467	209	256	330	391	467	572	661	809	41.3	36.5					
	THFW23016	125°	125°	125°	524	234	287	371	439	524	642	741	908	44.5	36.5					
	THFW17020	117°	120°	120°	387	173	212	274	324	387	474	548	671	33.7	33.7					
2 ½"	THFW19020	117°	120°	120°	433	194	237	306	362	433	530	612	750	36.1	36.1	125	180	156	104	3.2
	THFW20520	117°	120°	120°	467	209	256	330	391	467	572	661	809	37.3	37.3					
	THFW23020	123°	125°	125°	524	234	287	371	439	524	642	741	908	40.1	40.1					
	THFW28020	128°	130°	130°	638	285	349	451	534	638	781	902	1110	46	44.5					
	THFW32020	128°	130°	130°	729	326	399	516	610	729	893	1030	1260	51.2	44.5					
	THFW34020	128°	130°	130°	775	347	424	548	648	775	949	1100	1340	53.2	44.5					
	THFW43520	128°	130°	130°	991	443	543	701	829	991	1210	1400	1720	61.9	44.5					
	THFW18524	122°	122°	122°	422	189	231	298	353	422	516	596	730	32.5	32.5					
3"	THFW23024	122°	122°	122°	524	234	287	371	439	524	642	741	908	36.5	36.5	149	209	182	117	4.29
	THFW28024	122°	122°	122°	638	285	349	451	534	638	781	902	1110	41.3	41.3					
	THFW32024	125°	125°	125°	729	326	399	516	610	729	893	1030	1260	45.2	45.2					
	THFW34024	125°	125°	125°	775	347	424	548	648	775	949	1100	1340	46.8	46.8					
	THFW41224	128°	130°	130°	939	420	514	664	786	939	1150	1330	1630	53.6	53.6					
	THFW46924	129°	132°	135°	1070	478	585	756	894	1070	1310	1510	1850	57.9	54					
	THFW52624	129°	132°	135°	1200	536	657	848	1000	1200	1470	1700	2080	63.1	54					
	THFW56424	129°	132°	135°	1290	575	704	909	1080	1290	1570	1820	2230	65.9	54					

Ask our technical sales engineers about additional products and services to optimise your spraying process.

Spray Calibration Solutions

Easy-to-use, fast measurement solutions to ensure accurate nozzle installation and maintenance, reduce water wastage and identify nozzle wear.



Spray Pattern & Droplet Distribution



Nozzle Flow Calibrators



Nozzle Cleaning Kit

Complete Spray Bars

Tailored nozzle selections and spray bar designs that integrate seamlessly with your new or existing setup.

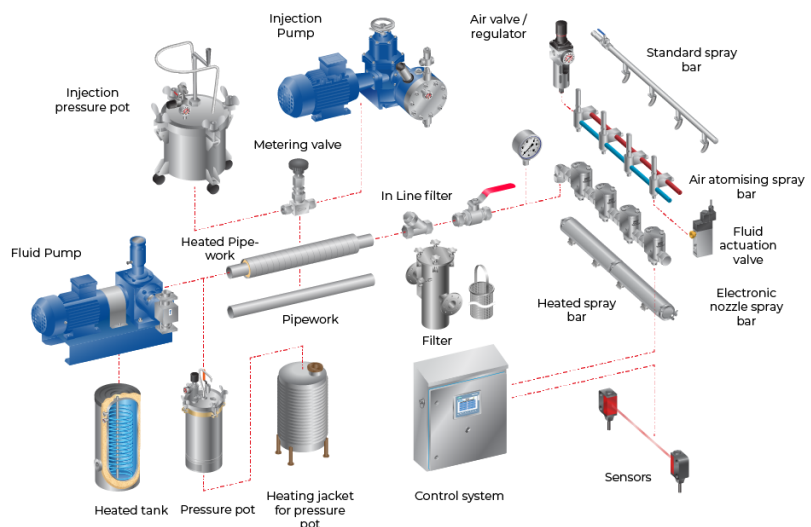
- ✓ Expert nozzle selection and placement
- ✓ Efficient spray coverage
- ✓ Fast turnaround time
- ✓ Reduced design burden
- ✓ High-quality spray bars



Complete Custom Spraying Systems

Complete spraying systems built around your goals and application.

- ✓ Tailored upstream components supplied individually or as part of complete system
- ✓ Custom pipework, pumps, tanks, sensors, valves, heating, control panels and more
- ✓ Seamless integration with existing processes
- ✓ Built to budget and ROI targets
- ✓ End-to-end support: design, install, maintain



THE GO-TO PEOPLE FOR SUCCESSFUL SPRAY ENGINEERING