TF20 150 DEGREE SPRAY NOZZLE

BETE TF Full Cone

Flow rate (gpm/lpm) is calculated at differential pressure (psi/bar).

Nozzle Number	Connection Sizes	Spray Angles	Flow Rate (gpm) @ Differential Pressure (psi) (Density: 1 SG)					
			5 psi	20 psi	40 psi	60 psi	100 psi	400 psi
TF 6	Pipe: 1/8, 1/4, 3/8	60°, 90°, 120°, 150°, 170°	0.494	0.988	1.40	1.71	2.21	4.42
TF 8	Pipe: 1/8, 1/4, 3/8	60°, 90°, 120°, 150°, 170°	0.919	1.84	2.60	3.18	4.11	8.22
TF 10	Pipe: 1/4, 3/8	60°, 90°, 120°, 150°, 170°	1.41	2.83	4.00	4.90	6.32	12.6
TF 12	Pipe: 3/8	60°, 90°, 120°, 150°, 170°	2.12	4.24	6.00	7.35	9.49	19.0
TF 14	Pipe: 3/8	60°, 90°, 120°, 150°, 170°	2.86	5.72	8.10	9.91	12.8	25.6
TF 16	Pipe: 3/8	60°, 90°, 120°, 150°, 170°	3.76	7.51	10.6	13.0	16.8	33.6
TF 20	Pipe: 3/8	60°, 90°, 120°, 150°, 170°	5.84	11.7	16.5	20.2	26.1	52.2
TF 24	Pipe: 1/2	60°, 90°, 120°, 150°, 170°	8.52	17.0	24.1	29.5	38.1	76.2
TF 28	Pipe: 1/2	60°, 90°, 120°, 150°, 170°	11.7	23.3	33.0	40.4	52.2	104
TF 32	Pipe: 3/4	60°, 90°, 120°, 150°, 170°	14.8	29.7	42.0	51.4	66.4	133
TF 40	Pipe: 1	60°, 90°, 120°, 150°, 170°	23.7	47.4	67.0	82.1	106	212
TF 48	Pipe: 1	60°, 90°, 120°, 150°, 170°	33.5	67.1	94.9	116	150	300
TF 56	Pipe: 1 1/2	60°, 90°, 120°, 150°, 170°	45.6	91.2	129	158	204	408
TF 64	Pipe: 1 1/2	60°, 90°, 120°, 150°, 170°	59.7	119	169	207	267	534
TF 72	Pipe: 1 1/2	60°, 90°, 120°, 150°, 170°	68.0	136	192	235	304	608
TF 88	Pipe: 2	60°, 90°, 120°, 150°, 170°	99.1	198	280	343	443	886
TF 96	Pipe: 2	60°, 90°, 120°, 150°, 170°	125	250	354	433	559	1120
TF 112	Pipe: 3	60°, 90°, 120°, 150°, 170°	181	362	512	627	810	1620
TF 128	Pipe: 3	60°, 90°, 120°, 150°, 170°	239	479	677	829	1070	2140
TF 160	Pipe: 4	60°, 90°, 120°	371	742	1050	1290	1660	3320

Description:

The innovative TF spiral nozzle design stands as a significant breakthrough in nozzle technology. This design atomizes liquids into small droplets through a continuously descending spiral, ensuring unrestricted flow through relatively large passages. The outcome is a higher discharge velocity, allowing for reduced pumping pressures while achieving the necessary atomization

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