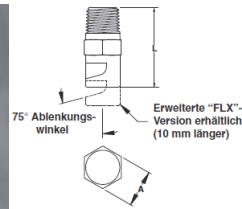
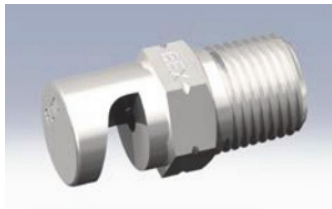


Gewindedüsen – Flachstrahldüsen Serie FL



SPRÜHMERKMALE:

Ein breiter, flacher fächerförmiger Sprühstrahl mit geringer Aufprallkraft. Der Strahl weicht wie angezeigt um 75° von der Mittellinie der Rohrverbindung ab.

AUSFÜHRUNG:

Die aufgeführten Düsentypen sind einteilig aus Stangenmaterial gefertigt. Standardmaterialien sind Messing, Stahl und Edelstahl (303 und 316). Einige Modelle sind auch in Carpenter 20®, PVC, CPVC und Polypropylen lieferbar. Sämtliche FL-Sprühdüsen sind mit NPT- oder BSPT-Gewinde erhältlich.

Modell	Gewinde BSPT	Äquv. Öffnungs-Durchmesser (mm)	Abmessungen		Durchfluss (l/min) bei verschiedenen Drücken (bar)										Sprühwinkel @					
			A	L	0.2 bar	0.3 bar	0.5 bar	0.7 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	0.2 bar	0.3 bar	0.5 bar	0.7 bar	1.5 bar	4 bar	
FL.25	1/8" - 1/4"	0.43	11mm	16	--	--	--	0.1	0.11	0.14	0.16	0.2	0.23	--	--	--	90°	106°	120°	
FL.50	1/8" - 1/4"	0.61	11mm	16	--	--	0.16	0.19	0.23	0.28	0.32	0.39	0.46	--	--	65°	78°	99°	120°	
FL.75	1/8" - 1/4"	0.74	11mm	20	--	--	0.24	0.29	0.34	0.42	0.48	0.59	0.68	--	--	72°	85°	112°	140°	
FL1	1/8" - 1/4"	0.84	11mm	20	--	--	0.32	0.38	0.46	0.56	0.64	0.79	0.91	--	--	90°	97°	135°	148°	
FL1.3	1/8" - 1/4"	0.97	11mm	21	--	0.32	0.42	0.5	0.59	0.73	0.84	1.03	1.19	--	73°	80°	92°	115°	134°	
FL1.5	1/8" - 1/4"	1.07	11mm	21	0.31	0.37	0.48	0.57	0.68	0.84	0.97	1.18	1.37	57°	69°	75°	87°	104°	125°	
FL2	1/8" - 1/4"	1.19	11mm	21	0.41	0.5	0.64	0.76	0.91	1.12	1.29	1.58	1.82	60°	73°	82°	86°	104°	125°	
FL2.5	1/8" - 1/4"	1.4	11mm	21	0.52	0.63	0.82	0.97	1.16	1.42	1.64	2.01	2.32	749°	87°	92°	101°	112°	130°	
FL3	1/8" - 1/4"	1.5	11mm	21	0.61	0.75	0.97	1.14	1.37	1.67	1.93	2.37	2.73	84°	97°	106°	115°	130°	140°	
FL4	1/8" - 1/4"	1.78	11mm	24	0.82	1	1.29	1.53	1.82	2.23	2.58	3.2	3.6	74°	87°	89°	101°	116°	127°	
FL5	1/8" - 1/4"	1.93	11mm	24	1.02	1.25	1.61	1.91	2.28	2.79	3.2	3.9	4.6	78°	89°	97°	103°	113°	132°	
FL7.5	1/8" - 1/4"	2.39	11mm	24	1.53	1.87	2.42	2.86	3.4	4.2	4.8	5.9	6.8	98°	105°	112°	120°	132°	144°	
FL10	1/8" - 1/4"	2.79	11mm	24	2.04	2.5	3.2	3.8	4.6	5.6	6.4	7.9	9.1	116°	125°	135°	137°	144°	150°	
FL12	1/8" - 1/4"	3.05	14mm	24	2.45	3	3.9	4.6	5.5	6.7	7.7	9.5	10.9	98°	105°	109°	118°	134°	139°	
FL15	1/8" - 1/4"	3.28	14mm	27	3.06	3.7	4.8	5.7	6.8	8.4	9.7	11.8	13.7	100°	110°	115°	124°	131°	139°	
FL18	1/8" - 1/4"	3.73	14mm	27	3.7	4.5	5.8	6.9	8.2	10	11.6	14.2	16.4	100°	112°	116°	124°	135°	137°	
FL20	1/8" - 1/4"	3.91	14mm	27	4.1	5	6.4	7.6	9.1	11.2	12.9	15.8	18.2	115°	125°	128°	134°	142°	147°	
1/4FL22	1/4"	4.09	14mm	33	4.5	5.5	7.1	8.4	10	12.3	14.2	17.4	20.1	97°	108°	114°	120°	128°	132°	
1/4FL24	1/4"	4.29	14mm	33	4.9	6	7.7	9.2	10.9	13.4	15.5	18.9	21.9	106°	118°	121°	127°	136°	154°	
1/4FL27	1/4"	4.5	14mm	33	5.5	6.7	8.7	10.3	12.3	15.1	17.4	21.3	24.6	110°	120°	124°	129°	139°	146°	
3/8FL30	3/8"	4.78	17mm	33	6.1	7.5	9.7	11.4	13.7	16.7	19.3	23.7	27.3	104°	116°	121°	127°	135°	138°	
3/8FL35	3/8"	4.98	17mm	33	7.1	8.7	11.3	13.3	16	19.5	22.6	27.6	32	104°	114°	118°	126°	130°	137°	
3/8FL40	3/8"	5.31	17mm	33	8.2	10	12.9	15.3	18.2	22.3	25.8	32	36	109°	115°	123°	126°	135°	136°	
3/8FL45	3/8"	5.79	17mm	33	9.2	11.2	14.5	17.2	20.5	25.1	29	36	41	117°	126°	134°	139°	142°	144°	
1/2FL40	1/2"	5.31	22mm	43	8.2	10	12.9	15.3	18.2	22.3	25.8	32	36	106°	111°	119°	124°	129°	133°	
1/2FL50	1/2"	6.15	22mm	43	10.2	12.5	16.1	19.1	22.8	27.9	32	39	46	106°	122°	130°	133°	139°	141°	
1/2FL60	1/2"	6.76	22mm	43	12.2	15	19.3	22.9	27.3	33	39	47	55	110°	120°	124°	128°	133°	138°	
1/2FL70	1/2"	7.37	22mm	51	14.3	17.5	22.6	26.7	32	39	45	55	64	105°	118°	119°	121°	124°	130°	
1/2FL80	1/2"	7.92	22mm	51	16.3	20	25.8	30.5	36	45	52	63	73	114°	116°	124°	126°	130°	135°	
3/4FL90	3/4"	8.03	31.8mm	60	18.3	22.5	29	34	41	50	58	71	82	104°	115°	120°	121°	125°	128°	
3/4FL100	3/4"	8.74	31.8mm	60	20.4	25	32	38	46	56	64	79	91	105°	113°	115°	118°	121°	125°	
3/4FL110	3/4"	8.84	31.8mm	60	22.4	27.5	35	42	50	61	71	87	100	106°	110°	116°	119°	120°	121°	
3/4FL120	3/4"	9.53	31.8mm	60	24.5	30	39	46	55	67	77	95	109	119°	125°	129°	131°	133°	135°	
3/4FL140	3/4"	10.21	31.8mm	65	28.5	35	45	53	64	78	90	111	128	115°	120°	128°	133°	137°	139°	
3/4FL160	3/4"	11.92	38.1mm	65	33	40	52	61	73	89	103	126	146	117°	122°	130°	135°	139°	140°	
3/4FL180	3/4"	11.68	38.1mm	67	37	45	58	69	82	100	116	142	164	117°	128°	131°	133°	136°	136°	
3/4FL210	3/4"	12.7	38.1mm	67	43	52	68	80	96	117	135	166	191	122°	127°	132°	135°	136°	136°	
1FL140	1"	10.21	38.1mm	73	29	35	45	53	64	78	90	111	128	117°	122°	126°	130°	133°	133°	
1FL160	1"	10.92	38.1mm	71	33	40	52	61	73	89	103	126	146	117°	127°	131°	135°	136°	136°	
1FL180	1"	11.68	38.1mm	73	37	45	58	69	82	100	116	142	164	115°	125°	128°	132°	135°	135°	
1FL210	1"	12.7	38.1mm	73	43	52	68	80	96	117	135	166	191	117°	122°	127°	130°	133°	134°	
1FL300	1"	14.68	44.5mm	92	61	75	97	114	137	167	193	237	273	114°	118°	120°	123°	124°	124°	
1FL450	1"	17.88	44.5mm	92	92	112	145	172	205	251	290	355	410	128°	135°	139°	142°	144°	144°	