High pressure flat fan nozzles
Series 6FH with spray stabiliser

Features:
- Sharp, uniform flat fan spray
- Extremely narrow spray depth
- Nozzle with spray stabilizer
- Housing: Stainless steel 303, Insert: Hardened stainless steel 420F, spray stabiliser: Stainless steel 301

Applications:
- High pressure cleaning

Series 6FH

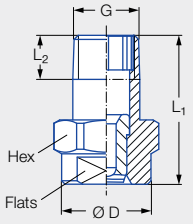

Figure 1

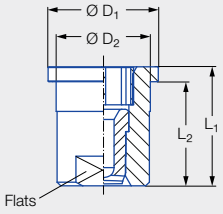

Figure 2

Code	Figure	G	Dimensions [mm]							Weight [g]	p_{max} [1] [bar]
			L_1	L_2	Ø D	Ø D_1	Ø D_2	Hex	Flats		
CA	1	1/8 BSPT	22.00	6.50	13.00	–	–	14	10	13.00	approx. 700
BA	1	1/8 NPT	22.00	6.70	13.00	–	–	14	10	13.00	approx. 700
CC	1	1/4 BSPT	22.00	10.00	13.00	–	–	14	10	18.00	approx. 700
BC	1	1/4 NPT	22.00	10.20	13.00	–	–	14	10	18.00	approx. 700
Assembly with retaining nut 3/8 BSPP	2	–	16.00	14.00	–	14.80	12.65	–	10	13.00	approx. 300

[1] Applies only to operation at constant pressure.

US gal/min at 40 psi	**Ordering no.**						Equivalent bore diameter A [mm]	**V̇ water [l/min]**						
	Series	Flow rate code				Mat. no.		**p [bar]**						
		Spray angle				**A3**								
		20°	30°	45°	60°	Stainless steel 303/420F/301		40	60	**80**	100	120	150	200
02	**6FH**	**361**	**362**	**363**	**364**	●	1.00	2.88	3.53	**4.08**	4.56	5.00	5.58	6.45
021	**6FH**	**371**	**372**	**373**	**374**	●	1.02	3.03	3.71	**4.28**	4.79	5.25	5.87	6.77
025	**6FH**	**381**	**382**	**383**	**384**	●	1.10	3.60	4.42	**5.10**	5.70	6.24	6.98	8.06
028	**6FH**	**391**	**392**	**393**	**394**	●	1.16	4.04	4.94	**5.71**	6.38	6.99	7.81	9.02
03	**6FH**	**401**	**402**	**403**	**404**	●	1.18	4.32	5.29	**6.11**	6.83	7.48	8.37	9.66
034	**6FH**	**411**	**412**	**413**	**414**	●	1.30	4.90	6.00	**6.93**	7.75	8.49	9.49	10.96
038	**6FH**	**441**	**442**	**443**		●	1.33	5.48	6.72	**7.75**	8.67	9.50	10.62	12.26
04	**6FH**	**451**	**452**	**453**	**454**	●	1.35	5.77	7.06	**8.16**	9.12	9.99	11.17	12.90
043	**6FH**	**461**	**462**			●	1.38	6.20	7.59	**8.77**	9.80	10.74	12.00	13.86
045	**6FH**	**471**	**472**	**473**	**474**	●	1.40	6.49	7.95	**9.18**	10.26	11.24	12.57	14.51
05	**6FH**	**481**	**482**	**483**	**484**	●	1.55	7.21	8.83	**10.20**	11.40	12.49	13.96	16.12
055	**6FH**	**501**	**502**	**503**	**504**	●	1.60	7.93	9.71	**11.22**	12.54	13.74	15.36	17.73
06	**6FH**	**521**	**522**	**523**	**524**	●	1.72	8.65	10.60	**12.24**	13.68	14.99	16.75	19.35
065	**6FH**	**531**	**532**	**533**	**534**	●	1.75	9.37	11.48	**13.26**	14.82	16.23	18.15	20.96

US gal/min at 40 psi	Ordering no.						Equivalent bore diameter A [mm]	V̇ water [l/min]						
	Series	Flow rate code				Mat. no.		p [bar]						
		Spray angle				A3								
		20°	30°	45°	60°	Stainless steel 303/420F/301		40	60	**80**	100	120	150	200
07	**6FH**	**541**	**542**	**543**	**544**	●	1.80	10.09	12.36	**14.28**	15.96	17.48	19.55	22.57
075	**6FH**	**551**	**552**	**553**	**554**	●	1.90	10.81	13.25	**15.29**	17.10	18.73	20.94	24.18
008	**6FH**	**571**	**572**	**573**	**574**	●	2.05	11.54	14.13	**16.31**	18.24	19.98	22.34	25.80
087	**6FH**	**581**	**582**	**583**	**584**	●	2.06	12.54	15.36	**17.74**	19.83	21.72	24.29	28.04
09	**6FH**	**591**	**592**	**593**	**594**	●	2.10	12.98	15.89	**18.35**	20.52	22.48	25.13	29.02
10	**6FH**	**601**	**602**	**603**	**604**	●	2.30	14.41	17.65	**20.38**	22.79	24.97	27.91	32.23
11	**6FH**	**621***	**622***	**623***	**624***	●	2.40	15.86	19.42	**22.42**	25.07	27.46	30.70	35.45
125	**6FH**	**641***	**642***	**643***	**644***	●	2.50	18.02	22.07	**25.48**	28.49	31.21	34.89	40.29
131	**6FH**	**651***	**652***	**653***	**654***	●	2.55	18.89	23.13	**26.71**	29.86	32.71	36.57	42.23
139	**6FH**	**661***	**662***	**663***	**664***	●	2.65	20.04	24.54	**28.34**	31.68	34.70	38.80	44.80
15	**6FH**	**671***	**672***	**673***	**674***	●	2.70	21.62	26.48	**30.58**	34.19	37.45	41.87	48.35
175	**6FH**	**701***	**702***	**703***	**704***	●	3.00	25.23	30.9	**35.68**	39.89	43.70	48.86	56.41
20	**6FH**			**723***	**724***	●	3.05	28.83	35.31	**40.78**	45.59	49.94	55.84	64.47
25	**6FH**			**763***	**764***	●	3.50	36.04	44.14	**50.97**	56.99	62.43	69.80	80.60
30	**6FH**			**793***		●	3.90	43.25	52.97	**61.16**	68.38	74.91	83.75	96.70

* Only available with code CC, BC or 29.

Code	Type of connection
CA	1/8 BSPT
BA	1/8 NPT
CC	1/4 BSPT
BC	1/4 NPT
29	Assembly with retaining nut 3/8 BSPP

Conversion formula for this series: $\dot{V}_2 = \dot{V}_1 \cdot \sqrt{\frac{p_2}{p_1}}$

Assembly accessories can be found in Chapter 9 “Accessories”.

Ordering example:	Series 6FH	+ Flow rate code 541	+ Material no. A3	+ Code CA	= Ordering no. 6FH.541.A3.CA