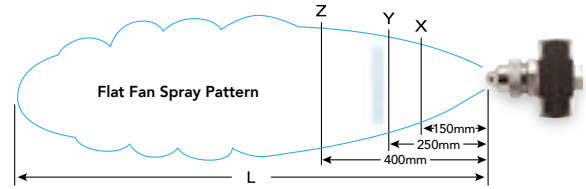


D SERIES - AIR ATOMISING NOZZLE

Nozzle Features

The D series externally mixed flat fan atomising nozzles produce fine spray particles in spray angles of approximately 55° to 90°.

The pressure method system supplies liquid to the fluid tip, the liquid then exits the fluid tip and mixes with compressed air externally of the nozzle air cap and forms a flat spray pattern.



Performance Data

EXTERNAL MIX FLAT FAN - PRESSURE METHOD

SPRAY ASM	FLUID TIP & AIR CAP	FLOW RATE (l/PH)															APPROX SPRAY COVERAGE						
		Water - 0.7 BarG			Water - 1.5 BarG			Water - 2.0 BarG			Water - 3.0 BarG			Water - 4.0 BarG			Air (BarG)	Water (LPH)	X (mm)	Y (mm)	Z (mm)	L (mm)	
		Air (BarG)	Water (LPH)	Air (m³/h)	Air (BarG)	Water (LPH)	Air (m³/h)	Air (BarG)	Water (LPH)	Air (m³/h)	Air (BarG)	Water (LPH)	Air (m³/h)	Air (BarG)	Water (LPH)	Air (m³/h)							
SA-F29C	FT27 & AC35171	0.4	-	1.32	0.4	-	1.32	0.4	-	1.5	0.6	-	1.68	0.7	-	2.04	0.6	0.7	230	300	400	1.8	
		0.4	-	1.5	0.4	-	1.5	0.6	-	1.68	0.7	-	2.04	1.1	-	2.7	0.6	1.5	280	350	460	1.8	
		-	3.0	-	-	4.0	-	-	5.0	-	-	8.0	-	-	11.0	-	-	1.1	1.5	280	330	430	2.4
		0.5	-	1.62	0.6	-	1.68	0.7	-	2.04	1.1	-	2.7	1.8	-	3.72	1.4	1.5	250	300	410	2.7	
		0.6	-	1.68	0.7	-	2.04	0.9	-	2.4	1.4	-	3.24	2.5	-	4.74	1.1	2.0	280	350	480	2.6	
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4	3.0	300	380	510	2.7
SA-F26C	FT27 & AC33956	0.2	-	1.51	0.4	-	1.58	0.7	-	1.87	1.4	-	2.72	2.8	-	4.38	0.2	0.2	90	150	230	0.9	
		0.4	-	1.58	0.7	-	1.87	1.1	-	2.38	1.8	-	3.23	3.5	-	5.1	1.1	0.2	90	150	230	1.2	
		0.7	-	1.87	1.1	-	2.38	1.4	-	2.72	2.1	-	3.57	4.2	-	6.12	1.4	0.4	100	150	230	1.2	
		1.1	3.0	2.38	1.4	4.0	2.72	1.8	5.0	3.23	2.8	8.0	4.42	4.9	11.0	7.14	1.4	1.4	120	180	250	1.5	
		1.4	-	2.72	1.8	-	3.23	2.1	-	3.56	3.5	-	5.1	5.3	-	7.65	1.8	0.7	120	150	240	1.5	
		1.8	-	3.23	2.1	-	3.56	2.8	-	4.42	4.2	-	6.12	5.6	-	8.34	2.8	1.4	130	180	280	1.8	
		2.1	-	3.56	2.8	-	4.42	3.5	-	5.1	5.6	-	8.34	6.3	-	9.54	4.9	2.8	150	180	240	2.4	
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7	0.3	280	330	400	1.5
SA-F29B	FT31 & AC35171	0.4	-	1.32	0.4	-	1.32	0.6	-	1.68	0.7	-	2.04	1.1	-	2.7	1.1	0.7	300	380	480	2.1	
		0.6	-	1.68	0.7	-	2.04	0.7	-	2.04	1.4	-	3.24	1.4	-	3.24	0.7	1.5	380	460	580	1.8	
		-	5.0	-	-	6.0	-	-	8.0	-	-	12.0	-	-	17.0	-	-	1.4	1.5	350	430	560	2.4
		0.7	-	2.04	1.1	-	2.7	1.4	-	3.24	2.1	-	4.26	2.1	-	4.26	2.5	1.5	330	400	510	3.0	
		1.1	-	2.7	1.4	-	3.24	2.1	-	4.26	2.5	-	4.74	2.5	-	4.74	1.8	2.0	380	460	580	2.7	
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	3.0	410	480	660	2.9
SA-F26B	FT31 & AC33956	0.4	-	1.58	0.7	-	1.87	1.1	-	2.38	1.8	-	3.23	3.2	-	4.92	0.4	0.2	80.0	140	220	1.0	
		0.7	-	1.87	1.1	-	2.38	1.4	-	2.72	2.1	-	3.56	3.5	-	5.1	1.4	0.2	90.0	150	220	1.7	
		1.1	-	2.38	1.4	-	2.72	1.8	-	3.23	2.8	-	4.42	4.2	-	6.12	1.8	0.4	100	170	230	1.8	
		1.4	5.0	2.72	1.8	6.0	3.23	2.1	8.0	3.56	3.5	12.0	5.1	4.9	17.0	7.14	1.8	1.4	130	190	290	2.1	
		1.8	-	3.23	2.1	-	3.56	2.8	-	4.42	4.2	-	6.12	5.3	-	7.62	2.1	0.7	130	180	250	1.8	
		2.1	-	3.56	2.8	-	4.42	3.5	-	5.1	4.9	-	7.14	6.3	-	9.54	3.5	1.4	130	220	300	2.4	
		2.8	-	4.42	3.5	-	5.1	4.2	-	6.12	6.3	-	9.54	6.7	-	9.84	5.3	2.8	150	190	250	3.0	
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.6	0.3	350	480	610	1.8
SA-F29	FT39 & AC35171	0.4	-	1.5	0.4	-	1.5	0.4	-	1.5	0.7	-	2.04	1.4	-	3.24	0.6	0.7	350	480	630	1.5	
		0.5	-	1.65	0.6	-	1.68	0.6	-	1.68	0.9	-	2.4	1.8	-	3.72	0.7	1.5	380	480	630	1.8	
		-	9.0	-	-	10.0	-	-	16.0	-	-	23.0	-	-	33.0	-	-	1.1	1.5	410	510	660	2.1
		0.6	-	1.68	0.7	-	1.86	0.7	-	2.04	1.1	-	2.7	2.1	-	4.26	1.4	1.5	430	530	660	2.4	
		0.7	-	2.04	0.7	-	2.04	0.9	-	2.4	1.4	-	3.24	2.5	-	4.74	1.8	2.0	410	510	690	2.7	
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.1	3.0	410	510	690	2.9
SA-F26	FT39 & AC33956	0.7	-	1.87	1.1	-	2.38	1.4	-	2.72	2.5	-	4.08	3.5	-	5.1	0.7	0.2	130	170	250	1.2	
		1.1	-	2.38	1.4	-	2.72	1.8	-	3.23	2.8	-	4.42	4.2	-	6.12	1.8	0.2	130	170	250	1.8	
		1.4	-	2.72	1.8	-	3.23	2.1	-	3.56	3.5	-	5.1	4.9	-	7.14	2.1	0.4	130	180	240	1.8	
		1.8	9.0	3.23	2.1	10.0	3.56	2.8	16.0	4.42	4.2	23.0	6.12	5.3	33.0	7.62	2.5	1.4	140	200	320	1.8	
		2.1	-	3.56	2.8	-	4.42	3.5	-	5.1	4.9	-	7.14	5.6	-	8.34	2.8	0.7	140	190	300	2.3	
		2.8	-	4.42	3.5	-	5.1	4.2	-	6.12	5.6	-	8.34	6.3	-	9.54	4.2	1.4	140	200	360	3.0	
		3.5	-	5.1	4.2	-	6.12	4.9	-	7.14	6.3	-	9.54	7.0	-	10.56	5.3	2.8	170	200	300	4.0	

Ordering Example • 1/4-D-316SS-SAF29C

Available Materials • ENPB, 303ss, 316ss

- Other materials available on request.

D SERIES - AIR ATOMISING NOZZLE

Performance Data

EXTERNAL MIX FLAT FAN - PRESSURE METHOD

SPRAY ASM	FLUID TIP & AIR CAP	FLOW RATE (l/PH)														SPRAY COVERAGE							
		Water - 0.7 BarG			Water - 1.5 BarG			Water - 2.0 BarG			Water - 3.0 BarG			Water - 4.0 BarG			Air (BarG)	Water (BarG)	X (mm)	Y (mm)	Z (mm)	L (mm)	
		Air (BarG)	Water (LPH)	Air (m³h)	Air (BarG)	Water (LPH)	Air (m³h)	Air (BarG)	Water (LPH)	Air (m³h)	Air (BarG)	Water (LPH)	Air (m³h)	Air (BarG)	Water (LPH)	Air (m³h)							
SA-24B	FT31 & AC439	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4	0.3	330	380	480	3.8		
		0.6	-	5.46	0.7	-	6.12	1.4	-	9.36	2.1	-	12.6	3.2	-	17.1	2.1	0.7	330	400	560	4.3	
		0.7	-	6.12	1.1	-	7.8	2.1	-	12.6	2.8	-	15.6	4.2	-	21.6	2.1	1.5	350	460	580	4.0	
		-	13.0	-	-	16.0	-	-	25.0	-	-	37.0	-	-	52.0	-	-	3.2	1.5	380	480	660	4.6
		1.1	-	7.8	1.8	-	11.0	2.5	-	14.1	3.5	-	18.6	5.3	-	25.8	4.2	1.5	380	480	640	5.2	
		1.4	-	9.36	2.1	-	12.6	2.8	-	15.6	4.2	-	21.6	5.6	-	27.3	3.9	2.0	410	510	710	4.9	
SA-34	FT71 & AC6439	0.7	-	5.1	1.0	-	6.12	1.4	-	6.96	2.5	-	10.7	3.2	-	12.7	0.7	0.2	130	190	250	1.7	
		1.0	-	6.12	1.4	-	6.96	1.8	-	8.34	2.8	-	11.7	3.5	-	13.9	1.8	0.2	130	190	250	2.7	
		1.4	-	6.96	1.8	-	8.34	2.1	-	9.36	3.5	-	13.6	3.9	-	15.3	2.1	0.4	150	190	280	3.0	
		1.8	13.0	8.34	2.1	16.0	9.36	2.5	25.0	10.7	4.2	37.0	16.0	4.2	52.0	16.5	2.5	0.7	150	220	280	3.5	
		2.1	-	9.36	2.8	-	11.7	2.8	-	11.7	4.9	-	18.7	4.9	-	18.8	2.5	1.4	170	230	360	3.7	
		2.8	-	11.7	3.5	-	13.6	3.5	-	13.6	5.6	-	21.6	5.6	-	21.6	4.2	1.4	170	230	370	4.3	
SA-34	FT71 & AC6439	3.5	-	13.6	4.2	-	16.0	4.2	-	16.0	6.3	-	24.7	6.3	-	24.7	4.9	2.8	170	220	320	4.9	
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1	0.2	330	380	510	3.5	
		0.6	5.46	0.7	6.12	1.1	7.8	2.5	14.1	3.5	18.6	-	-	-	-	-	1.8	0.7	350	480	640	3.0	
		1.1	7.8	1.4	9.36	1.8	11.0	3.2	17.1	4.6	22.8	-	-	-	-	-	2.5	1.5	380	460	640	3.8	
		-	18.0	-	-	22.0	-	-	33.0	-	-	48.0	-	-	68.0	-	3.2	1.5	330	430	610	4.3	
		1.4	9.36	1.8	11	2.5	14.1	3.9	19.8	6.0	28.5	-	-	-	-	-	4.2	1.5	300	430	580	4.9	
SA-34	FT71 & AC6439	1.8	11.0	2.1	12.6	2.8	15.6	4.2	21.6	6.7	31.5	-	-	-	-	4.2	2.0	330	430	610	5.2		
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.9	3.0	330	430	600	4.0	
		0.7	-	5.1	1.4	-	6.96	1.8	-	8.34	2.8	-	11.7	3.5	-	13.9	0.7	0.4	150	190	270	2.1	
		1.0	-	6.12	1.8	-	8.34	2.1	-	9.36	3.2	-	12.7	4.2	-	16.5	1.8	0.7	150	190	270	3.0	
		1.4	-	6.96	2.1	-	9.36	2.5	-	10.7	3.5	-	13.6	4.9	-	18.8	2.5	1.4	150	220	330	3.4	
		1.8	18.0	8.34	2.5	22.0	10.7	2.8	33.0	11.7	4.2	48.0	16.0	5.3	68.0	20.4	2.8	1.4	150	220	360	3.8	
SA-34	FT71 & AC6439	2.1	-	9.36	2.8	-	11.7	3.5	-	13.6	4.9	-	18.7	5.6	-	21.6	2.8	1.4	170	250	370	4.0	
		2.8	-	11.7	3.5	-	13.6	4.2	-	16.0	5.6	-	21.6	6.3	-	24.7	4.2	2.1	170	250	370	4.9	
		3.5	-	13.6	4.2	-	16.0	4.9	-	18.7	6.3	-	24.7	6.6	-	25.7	5.3	2.8	180	230	360	5.8	
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.1	0.3	400	560	760	3.0	
		0.7	-	6.12	1.1	-	7.8	1.8	-	11.0	3.2	-	17.1	5.3	-	25.8	2.8	0.7	460	580	810	4.0	
		1.1	-	7.8	1.4	-	9.36	2.1	-	12.6	3.5	-	18.6	6.0	-	28.5	3.2	1.5	480	580	790	4.3	
SA-34	FT71 & AC6439	-	36.0	-	-	45.0	-	-	68.0	-	100	-	-	141	-	4.6	1.5	430	530	760	4.9		
		1.4	-	9.36	2.1	-	12.6	2.8	-	15.6	4.9	-	24.3	6.7	-	31.5	5.6	1.5	380	510	660	5.8	
		1.8	-	11.0	2.5	-	14.1	3.2	-	17.1	5.9	-	27.3	7.0	-	33	3.9	2.0	480	640	840	4.3	
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.3	3.0	410	560	790	5.8	
		1.0	-	6.12	1.8	-	8.34	2.5	-	10.7	3.2	-	12.7	3.9	-	15.3	1.0	0.2	150	200	250	2.7	
		1.4	-	6.96	2.1	-	9.36	2.8	-	11.7	3.5	-	13.6	4.2	-	16.5	2.1	0.2	150	220	290	3.0	
SA-34	FT71 & AC6439	1.8	-	8.34	2.5	-	10.7	3.2	-	12.7	3.9	-	14.8	4.6	-	17.8	2.8	0.4	180	240	360	3.5	
		2.1	36.0	9.36	2.8	45.0	11.7	3.5	68.0	13.6	4.2	100	16.0	4.9	141	18.8	3.2	1.4	200	280	390	3.7	
		2.5	-	10.7	3.2	-	12.7	4.2	-	16	4.9	-	18.7	5.6	-	21.6	3.5	0.7	190	270	380	4.0	
		2.8	-	11.7	3.5	-	13.6	4.9	-	18.7	5.6	-	21.6	6.3	-	24.7	4.2	1.4	200	280	390	4.3	
		3.5	-	13.6	4.2	-	16.0	5.6	-	21.6	6.3	-	24.7	7	-	27.2	5.6	2.8	180	240	380	5.9	
		1.8	-	14.1	1.8	-	14.1	2.5	-	18.0	3.9	-	24.6	-	-	-	1.8	0.2	150	200	290	3.0	
SA-34	FT71 & AC6439	2.1	-	15.6	2.1	-	15.6	2.8	-	19.8	4.2	-	26.7	-	-	2.8	0.2	150	200	300	3.4		
		2.5	-	18.0	2.5	-	18	3.2	-	21.3	4.6	-	28.8	-	-	2.8	0.3	150	200	300	4.0		
		2.8	36.0	19.8	2.8	45.0	19.8	3.5	68.0	22.8	4.9	100	31.2	-	-	-	3.5	0.7	170	220	320	4.3	
		3.2	-	21.3	3.2	-	21.3	3.9	-	24.6	5.3	-	33.9	-	-	-	3.9	1.5	170	220	340	4.6	
		3.5	-	22.8	3.5	-	22.8	4.2	-	26.7	5.6	-	36.0	-	-	-	4.2	1.0	170	230	330	4.7	
		4.2	-	26.7	4.2	-	26.7	4.9	-	31.2	6.3	-	41.1	-	-	-	4.9	1.5	170	230	340	5.5	
SA-34	FT71 & AC6439	2.1	-	15.6	2.8	-	19.8	3.9	-	24.6	4.9	-	31.2	-	-	-	2.1	0.2	170	240	340	3.5	
		2.5	-	18.0	3.2	-	21.3	4.2	-	26.7	5.3	-	33.9	-	-	-	3.2	0.2	180	240	360	4.3	
		2.8	-	19.8	3.5	-	22.8	4.6	-	28.8	5.6	-	36.0	-	-	-	3.9	0.3	180	250	360	4.9	
		3.2	64.0	21.3	3.9	78.0	24.6	4.9	119	31.2	6.0	175	38.4	-	-	-	4.9	0.7	180	250	360	5.5	
		3.5	-	22.8	4.2	-	26.7	5.3	-	33.9	6.3	-	41.1	-	-	-	4.9	1.5	200	250	380	5.5	
		4.2	-	26.7	4.9	-	31.2	5.6	-	36.0	-	-	-	-	-	-	5.3	1.0	180	250	380	5.8	
SA-34	FT71 & AC6439	4.9	-	31.2	5.6	-	36.0	6.3	-	41.1	-	-	-	-	-	5.6	1.5	200	250	380	6.1		
		2.8	-	19.8	3.5	-	22.8	4.6	-	28.8	5.6	-	36.0	-	-	-	2.8	0.2	190	250	360	4.6	
		3.2	-	21.3	3.9	-	24.6	4.9	-	31.2	6.0	-	38.4	-	-	-	3.9	0.2	200	250	370	4.9	
		3.5	-	22.8	4.2	-	26.7	5.3	-	33.9	6.3	-	41.1	-	-	-	4.6	0.3	200	250	370	5.2	
		3.9	102	24.6	4.6	125	28.8	5.6	192	36.0	280	-	-	-	-	-	5.3	0.7	220	270	380	5.5	
		4.2	-	26.7	4.9	-	31.2	6.0	-	38.4	-	-	-	-	-	-	5.6	1.0	220	270	410	5.5	
SA-34	FT71 & AC6439	4.6	-	28.8	5.3	-	33.9	6.3	-	41.1	-	-	-	-	-	5.6	1.5	220	270	410	5.8		
		4.9	-	31.2	5.6	-	36	-	-	-	-	-	-	-	-	6.0	1.5	220	270	410	6.1		

Ordering Example • 1/4-D-316SS-SAF39C

Available Materials • ENPB, 303ss, 316ss

- Other materials available on request.