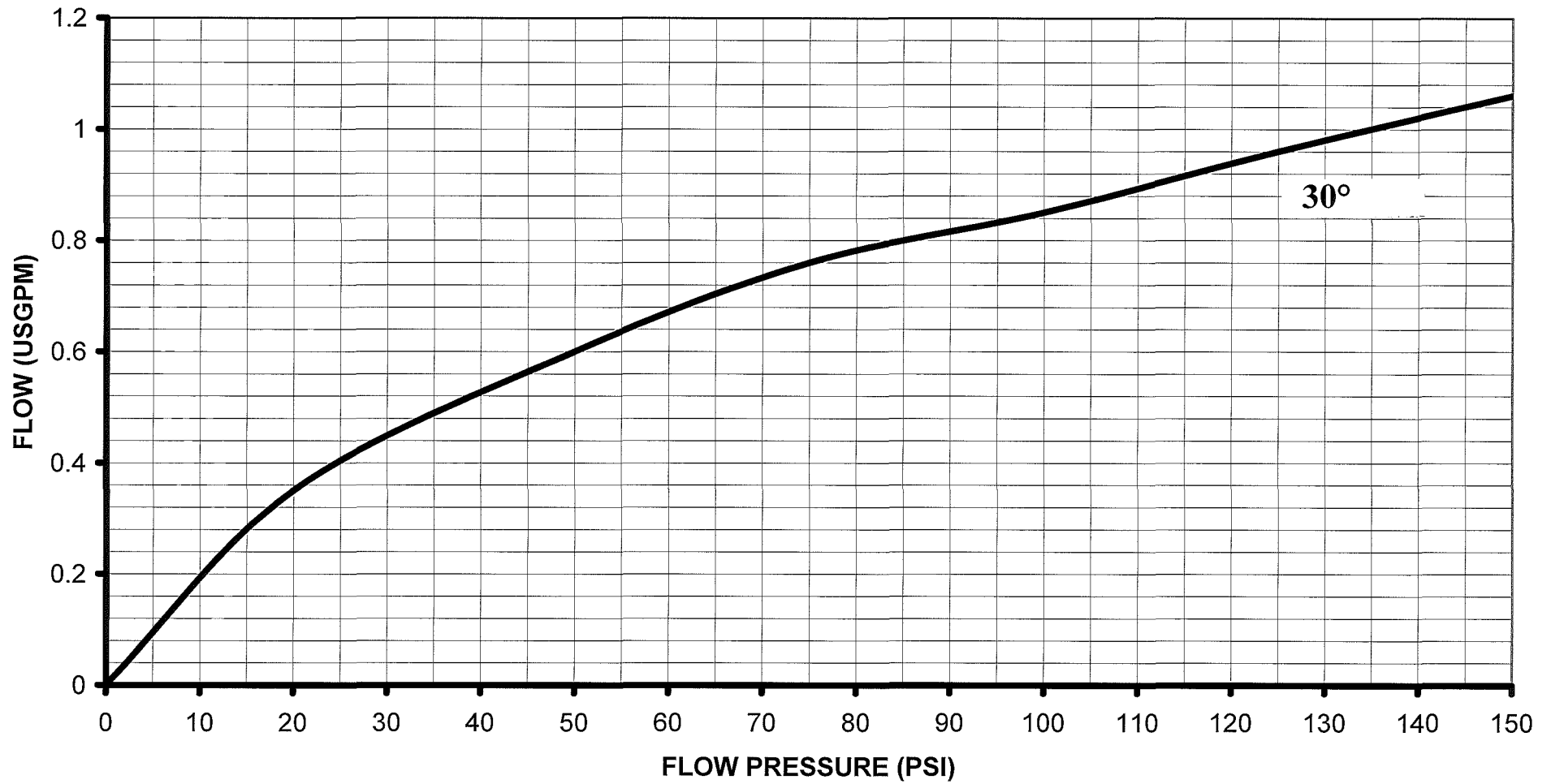
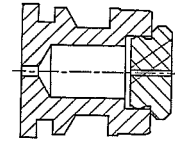
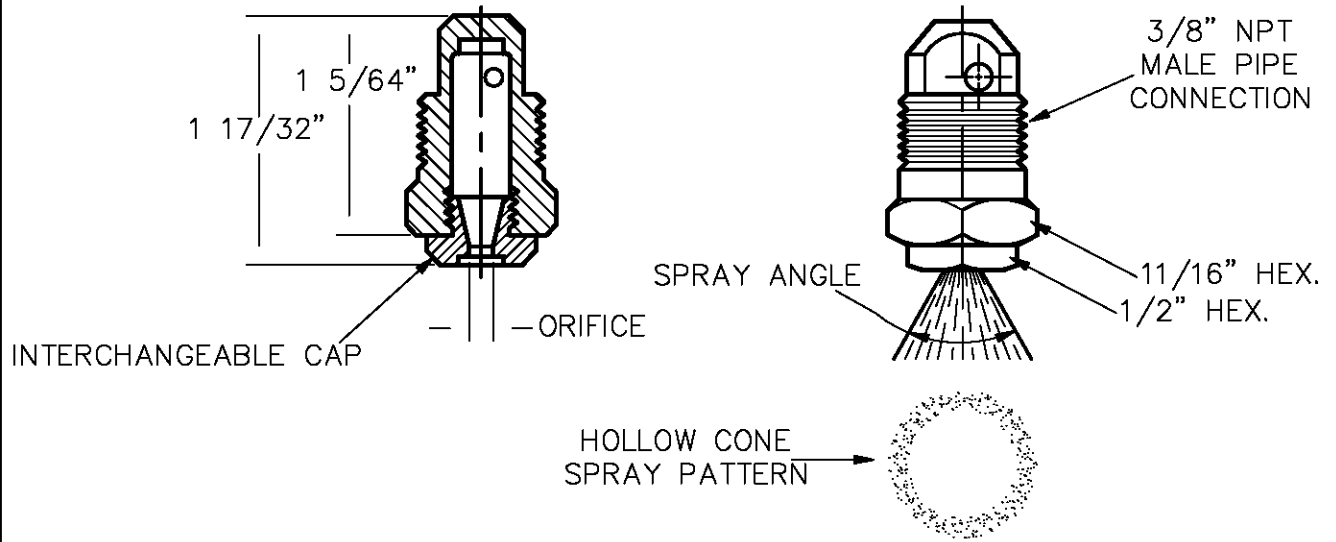


APPENDIX AG

SPECIFICATIONS OF WATER SPRAYS

**CONFLOW CODE 2801 STAPLELOCK DRUM SPRAY (CONE TYPE)
1.6mm dia ORIFICE**





NOZZLE No.	BODY SIZE	ORIFICE DIA.	CAP No.	CAPACITY G.P.M. (GALLONS PER MINUTE) AT P.S.I. (LBS. PER SQUARE INCH)													SPRAY ANGLE		
				10 PSI	20 PSI	40 PSI	60 PSI	80 PSI	100 PSI	120 PSI	140 PSI	150 PSI	200 PSI	300 PSI	400 PSI	500 PSI	20 PSI	100 PSI	500 PSI
3/8BD 2-1	2	.063"	1	—	.16	.22	.27	.31	.36	.38	.41	.43	.51	.62	.72	.80	55°	65°	50°
3/8BD 2		.078"	2	.20	.28	.40	.49	.57	.63	.69	.75	.77	.89	1.1	1.3	1.4	60°	69°	62°
3/8BD 2-3		.094"	3	.24	.34	.52	.59	.68	.76	.83	.90	.93	1.1	1.3	1.5	1.7	67°	76°	68°
3/8BD 2-5		.125"	5	.34	.48	.68	.83	.96	1.1	1.2	1.3	1.3	1.5	1.9	2.2	2.4	81°	87°	77°
3/8BD 2-8		.156"	8	.36	.51	.72	.88	1.0	1.1	1.2	1.3	1.4	1.6	2.0	2.3	2.6	87°	90°	82°
3/8BD 2-10		.172"	10	.41	.58	.82	1.0	1.2	1.3	1.4	1.5	1.6	1.8	2.2	2.6	2.9	93°	97°	90°
3/8BD 3-1	3	.063"	1	—	.18	.26	.32	.37	.40	.45	.49	.50	.57	.70	.81	.90	49°	60°	47°
3/8BD 3-2		.078"	2	.22	.31	.44	.54	.62	.69	.76	.82	.85	.98	1.2	1.4	1.6	57°	68°	58°
3/8BD 3		.094"	3	.30	.42	.59	.73	.85	.94	1.0	1.1	1.2	1.3	1.6	1.9	2.1	64°	75°	64°
3/8BD 3-5		.125"	5	.34	.48	.68	.83	.96	1.1	1.2	1.3	1.3	1.5	1.9	2.2	2.4	80°	86°	76°
3/8BD 3-8		.156"	8	.41	.58	.82	1.0	1.2	1.3	1.4	1.5	1.6	1.8	2.3	2.6	2.9	84°	89°	81°
3/8BD 3-10		.172"	10	.46	.65	.92	1.1	1.3	1.5	1.6	1.7	1.8	2.1	2.5	2.9	3.3	92°	96°	89°
3/8BD 5-1	5	.063"	1	—	—	.35	.43	.49	.55	.61	.65	.68	.78	.96	1.1	1.2	35°	47°	36°
3/8BD 5-2		.078	2	—	.38	.54	.66	.76	.85	.94	1.0	1.0	1.2	1.5	1.7	1.9	50°	61°	51°
3/8BD 5-3		.094"	3	—	.52	.74	.91	1.2	1.2	1.3	1.4	1.4	1.7	2.0	2.3	2.6	59°	66°	58°
3/8BD 5		.125"	5	.50	.71	1.0	1.2	1.4	1.6	1.7	1.9	1.9	2.2	2.7	3.2	3.5	73°	78°	72°
3/8BD 5-8		.156"	8	.55	.78	1.1	1.3	1.6	1.7	1.9	2.1	2.1	2.5	3.0	3.5	3.9	79°	83°	78°
3/8BD 5-10		.172"	10	.65	.92	1.3	1.6	1.8	2.1	2.3	2.4	2.5	2.9	3.6	4.1	4.6	84°	88°	82°
3/8BD 8	8	.156"	8	.80	1.1	1.6	2.0	2.3	2.5	2.8	3.0	3.1	3.6	4.4	5.1	5.7	65°	64°	—
3/8BD 10	10	.172"	10	1.0	1.4	2.0	2.4	2.8	3.1	3.5	3.7	3.9	4.4	5.4	6.2	6.9	70°	69°	62°
3/8BD 20-10	20	.172"	10	1.4	1.9	2.7	3.4	4.0	4.3	4.8	5.2	5.4	6.0	7.4	8.5	9.6	61°	60°	49°

DESCRIPTION:

**3/8BD--
WHIRLJET NOZZLES**



Spraying Systems Co.®

Spray Nozzles and Accessories
P.O. Box 7900 - Wheaton, Il. 60187-7901

Rev. No. 4

Ref.

Data Sheet No.

14889

SHEET OF



FLOW TECHNOLOGIES COMPANY

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Daniels, WV 25832
Work (304) 255-2224
Home (304) 763-2634

Fluid Filtration & Spray Controls • Made in USA

SPRAY DATA SHEET ON 3/8" NPT HOLLOW CONE NOZZLES

Spray No.	Body Inlet Dia. Inches	Orifice Dia Inch	Capacity Angle		Capacity Angle		Capacity Angle		Capacity Angle	
			GPM		GPM		GPM		GPM	
			40PSI		60PSI		80 PSI		100 PSI	
#3-2	3/32"	5/64"	.44	60°	.60	70°	.60	72°	.70	73°
#3-3	3/32"	3/32"	.62	70°	.74	76°	.84	82°	.96	78°
#5-3	7/64"	3/32"	.70	65°	.81	65°	.94	66°	1.12	68°
#5-5	7/64"	1/8"	.84	80°	1.04	80°	1.22	86°	1.42	85°

SPRAY DATA SHEET ON 1/2" NPT HOLLOW CONE NOZZLES

#3-2	3/32"	5/64"	.44	60°	.60	70°	.60	72°	.70	73°
#3-3	3/32"	3/32"	.44	70°	.60	70°	.84	82°	.86	78°
#5-3	7/64"	3/32"	.70	65°	.81	65°	.94	66°	1.12	68°



FLOW TECHNOLOGIES COMPANY

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cel (304) 575-9646

Fluid Filtration & Spray Controls • Made in USA

FLOW CHART ON STAINLESS STEEL STAPLE LOCK INSERTS CONE TYPE

<u>FTC NO.</u>	<u>CONFLOW NO.</u>	<u>ORIFICE DIAMETER</u>	<u>FLOW RATE @ 100 PSI</u>
791C 1MM	2801SC	1 mm .039	.4 GPM
791C 1/16"	2801CC	1.58MM .062	.8 GPM
791C 3/32"	2801DC	2.38MM .093	1.4 GPM
791C 1/8"	2801TC	3.17MM .125	2.1 GPM

FLOW CHART ON STAINLESS STEEL WHIRL JET TYPE

791W 1 MM	2801SW	1 MM .039	.5 GPM @ 100 PSI
791W 1/16"	2801CW	1.58MM .062	.86 GPM @ 100 PSI
791W 3/32"	2801DW	2.38MM .093	1.78GPM @ 100 PSI
791W 1/8"	2801TW	3.17MM .125	2.84GPM @ 100 PSI

FLOW CHART ON STAINLESS STEEL FULL JET TYPE

791J 1/16"	2801AJ	1.58MM .062	.86GPM @ 100 PSI
791J 3/32"	2801BJ	2.38MM .093	1.78 GPM @ 100 PSI
791J 1/8"	2801TJ	3.17MM .125	2.84 GPM @ 100 PSI

<u>DIAMETER</u>	<u>FLOW RATE</u>	<u>VENTURI TYPE</u>	<u>FTC #</u>	<u>CONFLOW #</u>
.090 2.38MM	1.2 GPM @ 100 PSI		9540-1	650-1912-1
.125 3.1MM	2.36GPM @ 100 PSI		9540-2	650-1912-2
.142 3.6MM	3.16GPM @ 100 PSI		9540-3	650-1912-3
.158 4.1MM	4.4GPM @ 100 PSI		9540-5	650-1912-5

SAM FORINASH PROD/ENG

Sam Forinash



**FLOW
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COMPANY**

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Fluid Filtration & Spray Controls • Made in USA

MANUFACTURING TECHNIQUE

ENCLOSED IS A PROCEDURE FOR WHAT WE DO. INCLUDING THE SPRAY
SIZE AND ORIFICE SIZE AND THE DIFFUSER (DELTRIN)

THE SUPPLIER WHO SUPPLIES THE DELTRIN AND MOST OF THE SPRAYS
IS B & D MACHINE IN ALLIANCE, OHIO DON BURKE IS THE MANAGER
ALSO SALEM SPECIALTIES IN SALEM, VA Ronnie Shepherd is Manager
MY VENTURI'S ARE MANUFACTURED IN ELLISTON, VA NOLEN SHIPP IS
THE METALLURGICAL ENGINEER THERE.

We drill the various sizes of Delrin on Jett high speed drills
including the whirl jet and hollow cone.

Delrin is drilled in the hollow cone center hole is 1MM the side
holes are 3/64" and is on a 67 angle. The whirl jet is 1/8"
on the side of delrin.

SAM FORINASH PRODUCT/ENGINEER