

FEATURES

- Delavan Carbide Tips are specifically designed and tested for all airless paint spraying applications.
- Design and manufacturing techniques used on the Delavan Airless Tips are based specifically on the industry's need for high performance standards using viscous materials etc.
- Carbide Tips are being used on all types of airless equipment and applications. Continued research assures all users of quality unsurpassed in the industry.
- The Carbide Tip material selected for use is the highest quality, wear resistant material now available.
- Every Airless Tip is checked to ensure calibration, and all other design features are achieved on every Tip before leaving the factory.

SELECTION GUIDE

- Airless Tip orifices are elliptical in shape. The term "equivalent orifice diameter" refers to a circular orifice diameter which will provide the same flow rates as the elliptical orifice. The equivalent orifice diameter does not indicate the actual orifice dimensions.
- The flow rates of Delavan Airless Tips are given in US GPM based on water at the pressures shown. Capacities would vary to some degree on other liquids.
- The pattern width dimension is the nominal pattern width of each Airless Tip when tested on a coating material of 20 seconds - # 4 Zahn cup viscosity at 1500 PSI at a distance of 12" from the Tip.
- Maximum design pressure is 500 Bar.G.



CAPACITY CHART

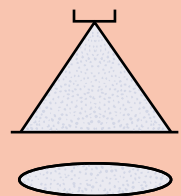
TIP NUMBER	EQUIV. ORIF. (Inches)	PATTERN WIDTH (Inches)	FLOW RATE IN US GPM AT PSIG PRESSURE				PRE-ORIFICE DISC NO.
			500	1000	1500	2000	
C515		3					
C525	0,005	5	0,015	0,02	0,025	0,03	9
C540		7					
C715		3					
C725	0,007	5	0,03	0,04	0,05	0,06	9
C735		6					
C740		7					
C915		3					
C925		5,5					
C940	0,009	7	0,04	0,06	0,067	0,08	9
C950		8,5					
C965		10					
C1115		3					
C1125		5,5					
C1140		7					11
C1150	0,011	8,5	0,06	0,08	0,10	0,12	OR
C1165		10					13
C1180		11,5					
C1315		3					
C1325		5,5					
C1340		8					
C1350	0,013	9	0,09	0,12	0,15	0,18	16
C1365		11					
C1380		13					
C1395		14					
C1515		4					
C1525		6					
C1540		8					
C1550	0,15	10	0,12	0,16	0,20	0,23	16
C1565		12					
C1580		14					
C1595		15,5					

TIP NUMBER	EQUIV. ORIF. (Inches)	PATTERN WIDTH (Inches)	FLOW RATE IN US GPM AT PSIG PRESSURE				PRE-ORIFICE DISC NO.
			500	1000	1500	2000	
C1615		4					
C1625		6					
C1640		8					
C1650	0,016	10	0,14	0,19	0,24	0,28	20
C1665		12					
C1673		14					
C1680		15					
C1695		17					
C1825		6					
C1840		8,5					
C1850	0,018	10	0,18	0,25	0,30	0,36	20
C1865		13					
C1880		15					
C1895		17					
C2025		6					
C2040		8,5					
C2050		10					
C2060	0,020	12	0,20	0,28	0,35	0,40	25
C2065		14					
C2080		16					
C2095		18					
C2125		6					
C2140		8,5					
C2150	0,021	11,5	0,24	0,33	0,41	0,47	25
C2165		15					
C2180		17					
C2195		19					
C2425		7					
C2440		9					
C2450		12					
C2465	0,024	15	0,30	0,42	0,52	0,60	25
C2473		17					
C2480		18,5					
C2495		21					

AIRLESS

AIRLESS TIPS

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CAPACITY CHART (CONT.)

TIP NUMBER	EQUIV. ORIF. (Inches)	PATTERN WIDTH (Inches)	FLOW RATE IN US GPM AT PSIG PRESSURE				PRE-ORIFICE DISC NO.
			500	1000	1500	2000	
C2625		7					
C2640		9					
C2650	0,026	12	0,35	0,50	0,61	0,71	28
C2665		15					
C2680		18,5					
C2695		21					
C2925		7					
C2940		9					
C2950		12					
C2965	0,029	15	0,45	0,63	0,80	0,90	31
C2973		17					
C2980		18,5					
C2995		21,5					
C3140		9					
C3150		12					
C3165	0,031	15	0,53	0,75	0,92	1,1	39
C3180		18,5					
C3195		21,5					
C3640		9					
C3650		12					
C3665	0,036	15	0,71	1,0	1,2	1,4	39
C3680		18,5					
C3695		21,5					
C4195	0,041	21,5	0,88	1,2	1,5	1,8	45
C4340		9					
C4350		12					
C4365	0,043	15	1,1	1,5	1,8	2,1	45
C4380		18,5					
C4395		21,5					
C4880	0,048	18,5	1,2	1,7	2,1	2,5	55
C4895		22					
C5240	0,052	9	1,4	2,0	2,4	2,8	55
C5265		15					
C6240	0,062	9	2,1	3,0	3,7	4,2	65
C6265		15					
C7265	0,072	15	2,8	4,0	4,9	5,7	76
C8565	0,085	15	4,1	5,7	6,7	8,1	76

AIRLESS TIPS

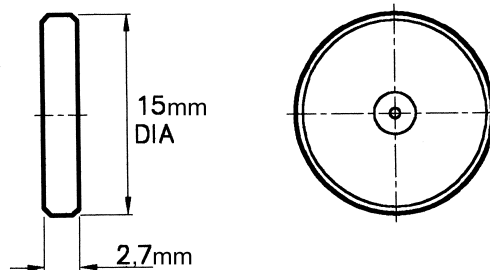
AIRLESS



PRE-ORIFICE DISCS

- The spray quality of most airless tips can be improved with the use of a Delavan Pre-Orifice Disc.
- Applications previously considered impractical can now be handled by adding a Delavan Pre-Orifice.
- Substantially lower operating pressures can be used without sacrificing spray quality.
- Larger Airless Tip sizes may be used at lower pressures, resulting in low flow rates without clogging.
- The Pre-Orifice Disc, which is easily installed directly behind the Airless Tip, also serves as a seal, eliminating the need for a separate gasket.
- Pre-Orifice Discs are constructed with a Carbide insert mounted in a Stainless Steel housing.
- Refer to the above chart and that on page H.1 to obtain the recommended Pre-Orifice Disc size.

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ORIFICE DIMENSIONS

DISC NO.	9	11	13	16	20	25	28	31	39	45	55	65	76
ORIFICE DIA. (inches)	0,009	0,011	0,013	0,016	0,020	0,025	0,028	0,031	0,039	0,045	0,055	0,065	0,076