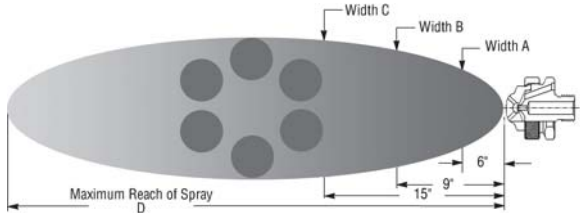


XAAD

Pressure-fed/Int. Mix/Wide Angle Round

DESIGN/SPRAY CHARACTERISTICS

- Internal mix
- 70° Hollow Cone spray pattern
- Finest atomization
- Moderate forward spray projection



Dimensions are approximate. Check with BETE for critical dimension applications.

XA AD Set-up Flow Rates and Dimensions

Pressure Fed, Internal Mix, Wide Angle Round Spray Pattern, 1/8" and 1/4" Pipe Sizes

Pipe Size	Spray Set-up Number	Fluid and Air Cap Numbers	10 PSI Liquid			20 PSI Liquid			30 PSI Liquid			40 PSI Liquid			60 PSI Liquid			Spray Dimensions						
			PSI air	GPH	SCFM	PSI air	GPH	SCFM	PSI air	GPH	SCFM	PSI air	GPH	SCFM	PSI air	GPH	SCFM	PSI air	PSI liquid	"A" in.	"B" in.	"C" in.	"D" feet	
1/8" or 1/4"	AD 050	Fluid Cap FC4 & Air Cap AC1601	8	1.4	0.4	14	2.1	0.4	22	2.4	0.6	30	2.5	0.7	44	3.0	0.8							
			10	1.1	0.4	16	1.9	0.5	26	2.0	0.7	34	2.2	0.8	48	2.7	0.9	10	10	6	7	9	5'0"	
			12	0.8	0.5	18	1.7	0.6	30	1.6	0.8	38	1.9	0.9	55	2.3	1.2	20	20	6	8	10	6'0"	
			14	0.5	0.6	20	1.4	0.6	34	1.2	1.0	42	1.5	1.1	60	1.9	1.4	34	30	7	8	10	7'0"	
						22	1.2	0.7	36	0.9	1.1	46	1.1	1.3	65	1.5	1.6	42	40	7	8	11	9'0"	
						24	0.9	0.8	38	0.7	1.2	48	0.9	1.4	70	1.1	1.8	60	60	8	9	12	12'0"	
						26	0.6	0.9	40	0.4	1.3	50	0.7	1.5	75	0.7	2.1							
	AD 100	Fluid Cap FC2 & Air Cap AC1603	12	1.9	1.8	22	3.3	2.3	30	5.1	2.5	38	6.4	2.8	54	8.8	3.4							
			14	0.6	2.2	24	2.2	2.8	32	4.3	2.9	42	4.7	3.4	56	8.1	3.7	12	10	7	10	13	6'0"	
						26	1.2	3.1	34	3.4	3.2	44	3.9	3.7	58	7.4	4.0	24	20	8	10	13	8'0"	
						36	2.5	3.5	46	3.1	4.1	60	6.8	4.3	60	6.8	4.3	34	30	8	10	13	10'0"	
						38	1.6	3.9	48	2.3	4.4	65	5.1	5.1	66	5.1	5.1	46	40	8	11	14	13'0"	
						40	0.7	4.3	50	1.4	4.8	70	3.5	6.0	70	3.5	6.0	60	60	9	11	15	16'0"	
						52	0.6	5.3	75	1.9	7.0													
	AD 150	Fluid Cap FC2 & Air Cap AC1602	16	3.2	1.4	28	4.6	2.0	42	5.3	2.7	55	5.7	3.3	80	7.1	4.5							
			18	2.6	1.6	32	3.4	2.3	46	4.0	3.0	60	4.2	3.7	85	5.8	4.9	22	10	6	8	9	9'0"	
			20	2.1	1.8	36	2.5	2.6	48	3.5	3.1	65	3.2	4.1	90	4.7	5.3	40	20	7	8	10	15'0"	
			22	1.6	1.9	40	1.8	2.9	50	3.0	3.3	70	2.3	4.4	95	3.8	5.7	50	30	7	8	10	18'0"	
			24	1.3	2.1	42	1.5	3.0	55	2.1	3.6	75	1.7	4.8	100	3.0	6.0	70	40	7	9	10	22'0"	
			26	1.0	2.2	44	1.2	3.1	60	1.5	4.0	80	1.3	5.2				90	60	8	10	11	26'0"	
			28	0.8	2.4	46	1.0	3.3	65	1.0	4.4	85	1.1	5.6										
	AD 200	Fluid Cap FC1 & Air Cap AC1603	10	6.3	1.1	20	9.0	1.6	30	11.2	2.0	40	12.4	2.5	56	16.2	2.8							
			12	3.6	1.5	22	6.9	2.0	32	9.3	2.4	42	10.6	2.9	58	14.8	3.1	12	10	8	10	14	7'0"	
			14	2.0	2.0	24	5.1	2.4	34	7.4	2.8	44	8.8	3.3	60	13.8	3.5	22	20	8	11	15	10'0"	
					26	3.3	2.8	36	5.4	3.2	46	7.1	3.7	65	9.8	4.4	34	30	8	11	15	12'0"		
					38	3.6	3.6	48	5.4	4.1	70	6.5	5.4	46	6.5	5.4	46	40	8	11	15	15'0"		
					40	2.3	4.0	50	3.6	4.5	75	4.0	6.3	75	4.0	6.3	65	60	8	11	16	19'0"		
					52	2.2	4.9	80	2.2	4.9														
AD 250	Fluid Cap FC1 & Air Cap AC1604	18	9.4	3.0	30	13.4	4.2	44	15.3	5.5	60	15.6	7.1	80	21.4	8.6								
		22	7.7	3.6	34	11.9	4.7	48	13.8	5.9	70	12.5	8.3	85	19.5	9.2	28	10	8	10	13	18'0"		
		26	6.0	4.1	38	10.3	5.1	55	11.3	6.8	80	9.3	9.5	90	17.9	9.8	42	20	8	11	14	21'0"		
		28	5.2	4.4	42	8.9	5.6	65	7.8	8.0	85	7.8	10.1	95	16.5	10.4	65	30	9	11	15	22'0"		
		30	4.4	4.7	46	7.3	6.1	70	6.1	8.6	90	6.2	10.7	100	15.1	11.0	85	40	9	12	15	24'0"		
		32	3.7	5.0	50	5.8	6.7	75	4.5	9.3	95	4.8	11.3				90	60	10	13	16	28'0"		
		34	3.0	5.3	60	2.4	8.0	80	3.3	9.9	100	3.7	11.9											
AD 300	Fluid Cap FC5 & Air Cap AC1605	24	6.7	5.5	38	10.7	7.4	48	16.5	8.8	60	18.6	10.4	85	29.2	13.7								
		26	5.2	5.9	42	7.6	8.3	52	12.5	9.6	65	13.7	11.4	90	24.6	14.7	28	10	10	13	18	18'0"		
		28	4.0	6.3	44	6.2	8.7	56	9.2	10.4	70	10.0	12.4	95	20.7	15.8	46	20	10	14	19	20'0"		
		30	3.0	6.8	46	5.0	9.1	60	6.6	11.3	75	7.4	13.5	100	17.5	16.9	60	30	11	15	20	24'0"		
		32	2.0	7.2	48	4.0	9.5	62	5.6	11.7	80	5.5	14.5				75	40	12	15	21	26'0"		
					50	3.0	9.9	65	4.4	12.3	85	4.0	15.5				90	60	13	17	23	28'0"		
					52	2.4	10.3	70	2.6	13.3	90	2.5	16.6											

Standard Materials: Nickel Plated Brass, 303 Stainless Steel and 316 Stainless Steel.

Spray angle performance varies with pressure. Contact BETE for specific data on critical applications.