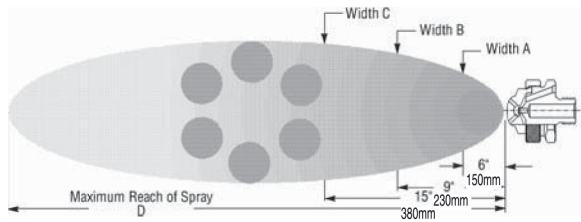


# XAAD

## Pressure-fed/Int. Mix/Wide Angle Round

### DESIGN/SPRAY CHARACTERISTICS

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



1/4" XA AD100 C  
XA 00 Body; C Hardware

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, BSP or NP T

Pipe Size	Spray Set-up Number	Fluid and Air Cap Numbers	0.7 Bar Liquid			1.5 Bar Liquid			2.0 Bar Liquid			3.0 Bar Liquid			4.0 Bar Liquid			Spray Dimensions						
			Air (bar)	l/h	Nm <sup>3</sup> /h	Air (bar)	l/h	Nm <sup>3</sup> /h	Air (bar)	l/h	Nm <sup>3</sup> /h	Air (bar)	l/h	Nm <sup>3</sup> /h	Air (bar)	l/h	Nm <sup>3</sup> /h	air	liquid	A (mm)	B (mm)	C (mm)	D (m)	
	AD 050	Fluid Cap FC4 & Air Cap AC1601	0.6	5.3	0.60	1.1	8.1	0.79	1.5	8.1	0.92	2.4	8.9	1.24	3.1	10.5	1.44	0.7	0.7	140	180	230	1.5	
			0.7	4.3	0.72	1.3	7.0	0.88	1.8	6.6	1.09	2.7	8.1	1.40	3.4	9.7	1.68	1.4	1.5	150	190	240	1.8	
			0.9	3.0	0.84	1.4	6.4	0.94	2.1	4.9	1.32	3.0	6.4	1.66	3.9	7.8	2.16	1.8	2.0	160	200	250	2.1	
			1.0	1.7	1.02	1.5	5.5	1.01	2.4	3.2	1.68	3.2	4.9	1.92	4.2	6.1	2.52	3.0	3.0	160	200	260	2.7	
			1.7	4.5	1.16	1.8	3.5	1.30	3.4	4.2	2.13	4.6	4.4	2.82	3.9	4.0	3.24	3.9	4.0	190	230	300	4.0	
	AD 100	Fluid Cap FC2 & Air Cap AC1603	0.9	7.0	3.00	1.7	13.2	4.08	2.0	18.5	4.08	2.8	25.0	5.04	3.7	31.0	5.76							
			1.0	2.1	3.72	1.8	9.8	4.74	2.1	15.1	4.56	3.0	22.0	5.52	3.8	28.0	6.30	0.9	0.7	180	240	310	1.8	
												3.1	18.5	6.06	3.9	26.0	6.78	1.7	1.5	190	250	330	2.4	
												3.2	15.1	6.54	4.1	23.0	7.32	2.1	2.0	190	250	330	3.2	
												3.4	12.1	7.14	4.2	20.0	7.80	2.1	2.0	190	250	330	3.2	
1/8	AD 150	Fluid Cap FC2 & Air Cap AC1602	1.1	12.3	2.40	2.2	16.3	3.72	2.7	21.0	4.14	4.2	19.3	6.00	5.6	22.0	7.80							
			1.3	9.9	2.70	2.5	12.1	4.26	3.0	16.3	4.68	4.6	14.6	6.78	6.0	17.6	8.52	1.5	0.7	150	190	230	2.7	
			1.4	7.9	3.00	2.8	8.9	4.74	3.2	12.3	5.16	4.9	10.8	7.44	6.3	14.0	9.12	3.0	1.5	160	200	240	4.6	
			1.5	6.1	3.24	3.0	7.6	4.98	3.4	10.7	5.46	5.3	8.1	8.10	6.7	11.4	9.78	3.4	2.0	160	200	240	5.5	
			1.7	4.9	3.48	3.1	6.4	5.22	3.5	9.3	5.64	5.6	6.2	8.76	7.0	9.1	10.4	3.4	2.0	160	200	240	5.5	
OR	AD 200	Fluid Cap FC1 & Air Cap AC1603	0.7	23.1	1.70	1.4	37.1	2.38	2.1	26.9	3.91	2.8	49.2	3.91	3.7	57.2	4.59							
			0.9	8.30	2.89	1.5	30.3	2.89	2.2	22.3	4.42	3.0	40.1	4.59	3.8	53.0	5.10	0.9	0.7	190	250	360	2.1	
			1.0	3.40	3.40	1.7	18.2	3.74	2.4	11.4	5.44	3.1	32.9	5.10	4.0	44.7	5.95	1.5	1.5	200	270	370	3.2	
						1.8	11.7	4.42	2.5	7.20	5.95	3.2	28.8	5.44	4.2	34.4	6.80	2.4	2.0	200	270	370	4.1	
												3.4	20.1	6.63	4.6	18.9	8.83	3.2	3.0	200	280	380	5.0	
1/4	AD 250	Fluid Cap FC1 & Air Cap AC1604	1.3	26.1	5.27	2.1	45.0	7.14	3.1	42.4	10.0	4.2	55.6	11.8	5.6	59.8	14.7							
			1.5	21.2	5.95	2.4	38.6	8.16	3.2	40.1	10.7	4.9	42.0	13.8	6.0	52.4	15.6	2.0	0.7	200	250	330	5.5	
			1.8	13.6	7.14	2.7	30.7	9.17	3.4	35.6	11.0	5.6	28.4	15.9	6.3	46.8	16.8	3.0	1.5	200	270	340	6.4	
			2.0	9.50	7.82	3.0	23.8	10.2	3.5	33.3	11.2	6.0	20.6	17.1	6.7	39.4	17.7	3.9	2.0	220	280	370	8.2	
			2.1	7.60	8.16	3.2	19.3	10.9	3.9	24.6	12.6	6.3	14.8	18.0	7.0	33.9	18.9	3.9	2.0	220	280	370	8.2	
	AD 300	Fluid Cap FC5 & Air Cap AC1605	2.3	4.20	8.83	3.5	12.9	11.9	4.6	11.0	15.0	6.7	7.00	19.2				6.0	3.0	230	290	380	9.1	
			2.4	2.60	9.17	4.2	1.50	14.1	4.9	6.40	16.0	7.0	1.20	20.1				6.3	4.0	240	320	400	10.4	
			1.7	25.0	9.36	3.0	39.0	13.8	3.4	50.0	15.0	4.6	62.0	19.2	6.0	93.0	23.7	2.0	0.7	240	330	460	5.5	
			1.8	19.7	10.0	3.1	33.0	14.4	3.5	43.0	15.6	4.9	47.0	20.7	6.3	77.0	25.5	3.2	1.5	250	340	470	6.4	
			2.0	15.1	10.7	3.2	27.0	15.3	3.7	41.0	16.5	5.3	36.0	22.5	6.7	62.0	27.6	3.9	2.0	280	370	510	7.3	

Standard Materials: Nickel-plated Brass, 303 Stainless Steel, and 316 Stainless Steel