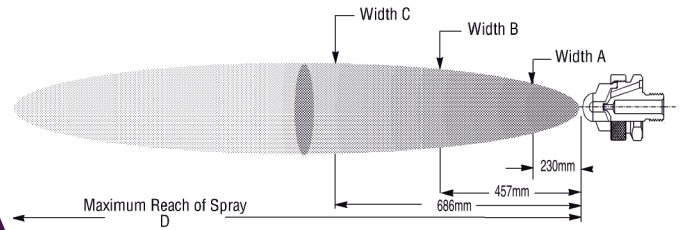


# 1/2 XA



## Air Atomizing

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

### AD 1/2" XA AD Set-up Flow Rates and Dimensions

Pressure-fed, Internal Mix, Wide Angle Round Spray Pattern, 1/2" Pipe Size, BSP or NPT

Pipe Size	Spray Set-up Number	Fluid and Air Cap Numbers	0.35 Bar Liquid			1.0 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)	
1/2	AD 5050	Fluid Cap FC501 & Air Cap AC5601							2.1	213	10.6	3.1	316	12.8	4.2	238	21.1	2.1	2.0	360	480	690	6.7	
										2.3	127	14.9	3.2	195	17.5	4.3	154	26.3	3.2	3.0	360	480	690	7.3
													3.4	107	22.3	4.5	100	31.3	4.3	4.0	360	480	690	8.5
	AD 5100	Fluid Cap FC501 & Air Cap AC5602	0.6	102	11.0	1.1	215	9.18	2.5	185	21.3	3.7	192	33.6	5.0	230	49.8	0.7	0.35	330	470	650	6.1	
0.7			57	13.8	1.3	124	13.8	2.7	146	24.6	3.9	150	37.2	5.3	158	56.4	1.3	1.0	340	480	670	7.9		
0.85			32	16.8	1.4	84	16.8	2.8	112	27.9	4.0	119	40.8	5.6	108	64.8	2.8	2.0	330	470	650	6.4		
AD 5150	Fluid Cap FC501 & Air Cap AC5603																0.85	0.35	360	500	690	7.9		
																	1.7	1.0	330	480	660	7.3		
																	3.4	2.0	330	470	660	7.0		
AD 5200	Fluid Cap FC502 & Air Cap AC5604	1.0	45	24.9	1.8	143	35.4	3.2	215	51.6	4.6	260	64.8	5.0	186	72.0	3.4	3.0	360	500	690	8.5		
																	4.6	3.0	360	500	690	8.5		
		0.7	134	18.9	1.3	320	26.4	2.1	575	34.2	3.0	740	42.6	3.9	840	51.6	0.7	0.35	330	640	910	3.4		
		0.85	100	22.8	1.4	255	31.2	2.2	505	38.4	3.1	690	46.2	4.1	790	55.8	1.4	1.0	330	660	910	4.9		
					1.5	200	35.4	2.4	440	43.2	3.2	630	50.4	4.2	740	59.4	2.5	2.0	280	560	810	6.1		
					1.7	154	40.2	2.5	380	47.4	3.4	570	54.6	4.4	690	64.2	3.4	3.0	280	530	740	6.7		
																		4.5	4.0	280	560	790	7.6	
																		4.5	4.0	280	560	790	7.6	
																		4.6	3.0	280	560	790	7.6	
																		4.9	3.0	280	560	790	7.6	

### PR 1/2" XA PR Set-up Flow Rates and Dimensions

Pressure-fed, Internal Mix, Round Spray Pattern, 1/2" Pipe Size, BSP or NPT

Pipe Size	Spray Set-up Number	Fluid and Air Cap Numbers	0.35 Bar Liquid			1.0 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)			
1/2	PR 5050	Fluid Cap FC501 & Air Cap AC5501	1.3	34	21.0	1.7	146	21.9	3.0	230	30.6							1.4	0.35				6.7			
			1.4	25	23.4	1.8	121	23.7	3.1	200	33.0								2.0	1.0	90	160	250	7.3		
1/2	PR 5100	Fluid Cap FC502 & Air Cap AC5502	1.5	20	24.9	2.0	102	25.8	3.2	176	35.4							3.2	2.0				8.2			
			1.7	15.5	26.7	2.1	86	27.6	3.4	154	37.2															
						2.3	72	29.4	3.5	135	39.6															
						2.4	60	31.2	3.6	118	42.0															
																				0.7	0.35	100	180	230	7.0	
						0.85	100	22.8	1.4	255	31.2	2.2	505	38.4	3.1	690	46.2	4.1	790	55.8	1.4	1.0	150	250	330	6.4
									1.5	200	35.4	2.4	440	43.2	3.2	630	50.4	4.2	740	59.4	2.5	2.0	130	200	250	11.3
									1.7	154	40.2	2.5	380	47.4	3.4	570	54.6	4.4	690	64.2	3.4	3.0	100	180	250	12.5
																				4.5	4.0	100	180	250	14.3	
																				4.6	3.0	100	180	250	14.3	

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

