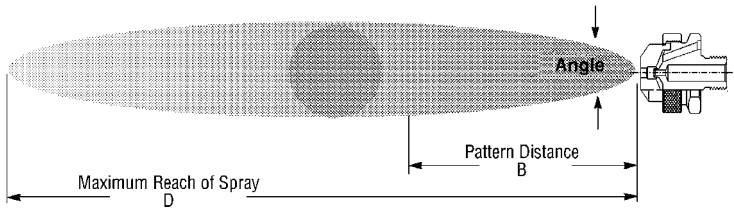


XAPR

Pressure-fed/Int. Mix/Narrow Angle Round

DESIGN/SPRAY CHARACTERISTICS

- Internal mix
- Very fine atomization
- Narrow spray angle (12°- 22°)
- Full cone pattern
- Large forward projection (up to 8.5 m)



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

XA PR Set-up Flow Rates and Dimensions

Pressure-fed, Internal Mix, Round Spray Pattern, 1/8" and 1/4" Pipe Sizes, BSP or NPT

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 ³ /h	Air (bar)	l/h	Nm ³ /h	Air (bar)	l/h	Nm ³ /h	Air (bar)	l/h	Nm ³ /h	Air (bar)	l/h	Nm ³ /h	air	liquid	Spray Angle (deg.)	B (mm)	D (m)
1/8 OR	PR 050	Fluid Cap FC4 & Air Cap AC1501	0.7	2.5	0.960	1.1	6.4	0.720	1.4	6.4	0.840	2.7	6.2	1.38	3.5	7.8	1.68	0.9	0.7	13	300	3
			0.9	1.8	1.14	1.4	5.0	0.900	1.7	5.5	1.02	2.8	5.7	1.50	3.7	7.3	1.74	1.7	1.5	13	330	3
			1.0	1.4	1.32	1.7	4.1	1.14	2.0	4.5	1.20	3.0	5.2	1.62	3.9	6.4	1.98	2.5	2.0	13	360	3
			1.8	3.4	1.20	2.2	3.4	1.44	3.1	4.7	1.74	4.2	5.5	2.28	4.2	5.5	2.28	3.1	3.0	14	390	4
			2.0	3.0	1.38	2.4	3.0	1.56	3.2	4.3	1.86	4.5	4.5	2.58	4.6	4.1	2.70	4.5	4.0	15	440	4
			2.1	2.6	1.50	2.5	2.5	1.68	3.4	3.9	1.98	4.6	4.1	2.70	4.8	3.7	2.82					
	2.2	2.0	1.62	2.7	2.3	1.86	3.7	3.0	2.28	4.8	3.7	2.82										
	PR 100	Fluid Cap FC4 & Air Cap AC1502	0.7	2.5	1.14	1.4	5.7	1.62	1.7	6.7	1.74	2.2	9.2	2.04	2.8	11.9	2.34	0.9	0.7	12	430	4
			0.9	2.0	1.32	1.5	5.2	1.74	1.8	6.4	1.86	2.5	8.2	2.34	3.1	11.0	2.58	1.5	1.5	13	460	4
			1.0	1.6	1.56	1.7	4.8	1.92	2.0	5.9	2.04	2.8	7.2	2.64	3.4	10.1	2.82	2.4	2.0	13	480	4
			1.8	4.3	2.10	2.1	5.2	2.22	3.0	6.7	2.82	3.7	9.2	3.12	3.9	8.4	3.48	3.0	3.0	13	510	5
			2.0	3.9	2.22	2.2	4.8	2.40	3.1	6.3	2.94	3.9	8.4	3.48	4.2	7.6	3.72	3.9	4.0	15	560	5
2.1			3.4	2.40	2.4	4.3	2.58	3.2	5.9	3.12	4.2	7.6	3.72	4.5	6.8	4.08						
2.7	3.6	2.88	3.4	5.5	3.30	3.4	5.5	3.30	4.5	6.8	4.08											
1/4	PR 150	Fluid Cap FC3 & Air Cap AC1502	0.9	4.8	1.26	1.7	8.4	1.86	2.0	10.7	1.98	2.7	16.5	2.22	3.4	20.0	2.58	1.5	0.7	12	480	4
			1.1	4.1	1.62	1.8	7.5	2.10	2.1	9.8	2.22	2.8	15.4	2.28	3.7	18.4	2.82	2.5	1.5	13	510	4
			1.4	3.4	1.98	2.0	7.0	2.22	2.4	8.2	2.52	3.1	13.6	2.58	3.9	16.8	3.00	3.0	2.0	13	530	5
			1.5	3.1	2.10	2.2	5.7	2.64	2.7	6.8	2.88	3.4	11.8	2.94	4.2	15.2	3.30	3.0	3.0	14	560	5
			1.7	3.0	2.34	2.5	4.8	2.94	3.0	5.9	3.30	3.7	10.4	3.30	4.5	13.8	3.60	3.4	3.0	14	560	5
			1.8	2.9	2.46	2.8	4.1	3.24	3.2	5.0	3.54	3.9	9.1	3.66	4.8	12.4	3.90	4.2	4.0	15	600	5
	2.0	2.8	2.64	3.1	3.6	3.54	3.5	4.1	3.90	4.2	7.9	3.90	4.9	11.8	4.08							
	PR 200	Fluid Cap FC2 & Air Cap AC1503	1.1	13.0	4.56	2.2	17.8	6.96	2.8	20.0	8.16	3.4	32.0	8.94	4.6	37.0	11.6	1.7	0.7	18	660	5
			1.4	8.9	5.46	2.5	13.1	7.80	3.1	16.3	8.94	3.9	25.0	10.2	5.3	29.0	13.2	2.8	1.5	20	760	6
			1.5	7.2	5.88	2.8	9.5	8.58	3.4	11.9	9.78	4.6	15.9	12.3	5.6	25.0	14.1	3.9	2.0	20	810	7
			1.7	5.8	6.30	3.1	7.0	9.42	3.9	7.0	11.2	5.3	9.1	14.4	6.0	21.0	15.0	4.0	3.0	21	910	8
			1.8	4.7	6.72	3.4	4.9	10.3	4.2	4.7	12.3	5.6	6.8	15.3	6.3	17.4	16.2	5.3	3.0	21	910	8
2.0			3.6	7.14	3.5	4.2	10.7	4.6	3.0	13.2	6.0	5.0	16.5	6.7	14.0	17.4	6.0	4.0	21	970	9	
2.1	2.7	7.62							6.3	3.6	17.4											
PR 250	Fluid Cap FC1 & Air Cap AC1503	0.9	31.0	3.42	1.4	61.0	4.14	2.1	53.0	5.76	2.7	80.0	6.18	3.8	88.0	8.10	1.0	0.7	17	610	5	
		1.0	25.0	3.96	1.5	54.0	4.56	2.4	41.0	6.72	3.0	69.0	7.02	4.2	73.0	9.36	1.8	1.5	18	690	6	
		1.1	18.5	4.50	1.7	48.0	5.10	2.7	31.0	7.62	3.2	59.0	7.80	4.6	61.0	10.6	2.8	2.0	20	760	7	
		1.3	12.9	5.10	1.8	41.0	5.58	2.8	26.0	8.16	3.5	49.0	8.76	4.9	48.0	11.8	3.5	3.0	20	790	7	
		2.0	3.6	7.14	3.5	4.2	10.7	4.6	3.0	13.2	6.0	5.0	16.5	6.7	14.0	17.4	6.0	4.0	21	910	9	
		2.1	2.7	7.62							6.3	3.6	17.4									
PR 300	Fluid Cap FC5 & Air Cap AC1504	1.0	44.0	5.16	1.4	125	4.74	2.0	123	6.48	2.2	199	5.28	3.0	250	5.94	1.0	0.7	19	890	6	
		1.1	32.0	6.12	1.5	106	5.46	2.1	108	7.14	2.5	174	6.60	3.2	225	7.20	1.7	1.5	20	990	7	
		1.7	87.0	6.30	1.7	87.0	6.30	2.2	95.0	7.80	2.8	146	7.98	3.5	205	8.46	2.4	2.0	21	1040	8	
		1.8	70.0	7.08	1.8	70.0	7.08	2.4	79.0	8.58	3.1	121	9.24	3.8	182	9.78	3.1	3.0	21	1070	8	
		2.0	55.0	7.80	2.0	55.0	7.80	2.5	64.0	9.30	3.2	108	9.96	4.1	159	11.0	3.8	4.0	22	1170	9	
		2.7	52.0	9.96	3.4	52.0	9.96	2.7	52.0	9.96	3.4	95.0	10.6	4.6	121	13.5	4.9	4.0	22	1170	9	
2.8	42.0	10.7	3.5	42.0	10.7	2.8	42.0	10.7	3.5	84.0	11.2	4.9	93.0	15.3								

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