# PR Pressure Round

## *XA PR Set-Up Flow Rates and Dimensions*

*Pressure Fed, Internal Mix, 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 | Angle deg. | "B" in. | "D" feet |
| 1/8 or 1/4 | PR 050 | Fluid Cap FC4 & Air Cap AC1501 | 10 | **0.7** | 0.6 | 14 | **1.5** | 0.4 | 24 | **1.7** | 0.6 | 32 | **1.9** | 0.7 | 50 | **2.3** | 1.0 | | | | | |
| | | | 12 | **0.5** | 0.7 | 18 | **1.2** | 0.5 | 28 | **1.4** | 0.6 | 36 | **1.6** | 0.8 | 54 | **2.1** | 1.1 | 12 | 10 | 13 | 12 | 9'0 |
| | | | 14 | **0.4** | 0.8 | 22 | **1.0** | 0.6 | 32 | **1.1** | 0.8 | 40 | **1.3** | 0.9 | 58 | **1.8** | 1.2 | 24 | 20 | 13 | 13 | 10'0 |
| | | | | | | 24 | **0.9** | 0.7 | 36 | **0.8** | 1.0 | 44 | **1.1** | 1.1 | 62 | **1.6** | 1.4 | 36 | 30 | 13 | 14 | 11'0 |
| | | | | | | 26 | **0.7** | 0.8 | 38 | **0.7** | 1.0 | 48 | **0.9** | 1.2 | 66 | **1.3** | 1.5 | 44 | 40 | 14 | 16 | 12'0 |
| | | | | | | 28 | **0.6** | 0.8 | 40 | **0.7** | 1.1 | 50 | **0.7** | 1.3 | 68 | **1.2** | 1.6 | 62 | 60 | 15 | 18 | 14'0 |
| | | | | | | 30 | **0.5** | 0.9 | 42 | **0.5** | 1.2 | 52 | **0.7** | 1.4 | 70 | **1.1** | 1.7 | | | | | |
| | PR 100 | Fluid Cap FC4 & Air Cap AC1502 | 10 | **0.7** | 0.7 | 18 | **1.4** | 0.9 | 24 | **2.0** | 1.0 | 30 | **2.4** | 1.1 | 40 | **3.3** | 1.4 | | | | | |
| | | | 12 | **0.5** | 0.8 | 20 | **1.3** | 1.0 | 28 | **1.7** | 1.2 | 34 | **2.2** | 1.3 | 46 | **2.9** | 1.5 | 12 | 10 | 12 | 17 | 12'0 |
| | | | 14 | **0.4** | 0.9 | 22 | **1.2** | 1.1 | 32 | **1.4** | 1.4 | 38 | **1.9** | 1.5 | 52 | **2.6** | 1.8 | 20 | 20 | 13 | 18 | 13'0 |
| | | | | | | 24 | **1.1** | 1.2 | 34 | **1.3** | 1.5 | 42 | **1.6** | 1.7 | 58 | **2.3** | 2.1 | 34 | 30 | 13 | 19 | 14'0 |
| | | | | | | 26 | **0.9** | 1.3 | 36 | **1.2** | 1.6 | 44 | **1.5** | 1.8 | 62 | **2.1** | 2.3 | 42 | 40 | 13 | 20 | 15'0 |
| | | | | | | | | | 38 | **1.1** | 1.7 | 46 | **1.4** | 1.9 | 66 | **1.9** | 2.5 | 58 | 60 | 15 | 22 | 17'0 |
| | | | | | | | | | 40 | **1.0** | 1.8 | 48 | **1.3** | 2.0 | 70 | **1.7** | 2.7 | | | | | |
| | PR 150 | Fluid Cap FC3 & Air Cap AC1502 | 12 | **1.3** | 0.7 | 22 | **2.2** | 1.1 | 30 | **2.9** | 1.2 | 36 | **4.3** | 1.3 | 48 | **5.8** | 1.5 | | | | | |
| | | | 16 | **1.1** | 0.9 | 26 | **1.7** | 1.3 | 34 | **2.5** | 1.4 | 40 | **3.9** | 1.4 | 52 | **5.3** | 1.7 | 22 | 10 | 12 | 19 | 13'0 |
| | | | 20 | **0.9** | 1.2 | 30 | **1.4** | 1.5 | 38 | **2.1** | 1.7 | 44 | **3.6** | 1.6 | 56 | **4.9** | 1.7 | 34 | 20 | 13 | 20 | 14'0 |
| | | | 22 | **0.8** | 1.3 | 34 | **1.3** | 1.7 | 42 | **1.7** | 1.9 | 48 | **2.8** | 1.8 | 60 | **4.6** | 1.9 | 42 | 30 | 13 | 21 | 15'0 |
| | | | 24 | **0.8** | 1.4 | 38 | **1.1** | 1.9 | 46 | **1.5** | 2.0 | 52 | **2.5** | 2.0 | 64 | **4.1** | 2.1 | 48 | 40 | 14 | 22 | 16'0 |
| | | | 26 | **0.8** | 1.4 | 40 | **1.0** | 2.0 | 50 | **1.2** | 2.3 | 56 | **2.2** | 2.2 | 68 | **3.7** | 2.3 | 60 | 60 | 15 | 24 | 17'0 |
| | | | 28 | **0.8** | 1.6 | 42 | **0.9** | 2.0 | 52 | **1.2** | 2.4 | 60 | **1.8** | 2.4 | 70 | **3.6** | 2.3 | | | | | |
| | PR 200 | Fluid Cap FC2 & Air Cap AC1503 | 16 | **3.4** | 2.7 | 28 | **5.0** | 3.7 | 40 | **6.1** | 4.7 | 48 | **7.8** | 5.3 | 65 | **10.7** | 6.7 | | | | | |
| | | | 20 | **2.4** | 3.2 | 32 | **3.7** | 4.2 | 44 | **5.0** | 5.2 | 55 | **6.0** | 6.1 | 75 | **8.7** | 7.7 | 24 | 10 | 18 | 26 | 16'0 |
| | | | 22 | **1.9** | 3.5 | 36 | **2.6** | 4.7 | 48 | **4.0** | 5.7 | 65 | **3.6** | 7.3 | 80 | **7.7** | 8.3 | 40 | 20 | 20 | 30 | 20'0 |
| | | | 24 | **1.5** | 3.7 | 40 | **1.9** | 5.1 | 55 | **2.3** | 6.5 | 75 | **2.0** | 8.5 | 85 | **6.7** | 8.8 | 55 | 30 | 20 | 32 | 22'0 |
| | | | 26 | **1.2** | 4.0 | 44 | **1.3** | 5.6 | 60 | **1.6** | 7.1 | 80 | **1.4** | 9.1 | 90 | **5.6** | 9.4 | 75 | 40 | 21 | 36 | 26'0 |
| | | | 28 | **1.0** | 4.2 | 48 | **0.9** | 6.1 | 65 | **1.1** | 7.8 | 85 | **1.0** | 9.7 | 95 | **4.6** | 10.0 | 85 | 60 | 21 | 38 | 28'0 |
| | | | 30 | **0.7** | 4.5 | 50 | **0.8** | 6.4 | 70 | **0.7** | 8.4 | 90 | **0.7** | 10.3 | 100 | **3.6** | 10.6 | | | | | |
| | PR 250 | Fluid Cap FC1 & Air Cap AC1503 | 12 | **8.1** | 2.0 | 20 | **13.6** | 2.6 | 30 | **16.3** | 3.3 | 38 | **19.5** | 3.7 | 54 | **25.7** | 4.7 | | | | | |
| | | | 14 | **6.6** | 2.3 | 22 | **12.0** | 2.9 | 34 | **13.1** | 3.8 | 42 | **16.5** | 4.2 | 60 | **21.8** | 5.3 | 14 | 10 | 17 | 24 | 16'0 |
| | | | 16 | **4.9** | 2.7 | 24 | **10.2** | 3.2 | 38 | **9.9** | 4.3 | 46 | **13.6** | 4.7 | 65 | **18.5** | 6.0 | 26 | 20 | 18 | 27 | 18'0 |
| | | | 18 | **3.4** | 3.0 | 26 | **8.6** | 3.5 | 40 | **8.7** | 4.6 | 50 | **10.8** | 5.3 | 70 | **15.2** | 6.7 | 40 | 30 | 20 | 30 | 22'0 |
| | | | | | | 28 | **7.2** | 3.8 | 42 | **7.6** | 4.9 | 52 | **9.6** | 5.6 | 75 | **12.2** | 7.8 | 50 | 40 | 20 | 31 | 23'0 |
| | | | | | | 30 | **5.9** | 4.1 | 44 | **6.6** | 5.2 | 54 | **8.6** | 5.9 | 80 | **10.0** | 8.1 | 70 | 60 | 21 | 36 | 25'0 |
| | | | | | | 32 | **4.6** | 4.4 | 46 | **5.6** | 5.5 | 56 | **7.6** | 6.1 | 85 | **8.0** | 8.9 | | | | | |
| | PR 300 | Fluid Cap FC5 & Air Cap AC1504 | 14 | **11.7** | 3.1 | 20 | **27.5** | 3.0 | 28 | **36.6** | 3.6 | 32 | **49.4** | 3.3 | 42 | **70.6** | 3.2 | | | | | |
| | | | 16 | **8.5** | 3.6 | 22 | **23.0** | 3.5 | 30 | **32.6** | 4.0 | 36 | **42.2** | 4.1 | 46 | **65.0** | 3.9 | 14 | 10 | 19 | 35 | 20'0 |
| | | | | | | 24 | **18.0** | 4.0 | 32 | **28.7** | 4.4 | 40 | **35.1** | 4.9 | 50 | **59.0** | 4.6 | 24 | 20 | 20 | 39 | 23'0 |
| | | | | | | 26 | **14.4** | 4.4 | 34 | **24.8** | 4.8 | 44 | **28.0** | 5.7 | 54 | **53.2** | 5.4 | 34 | 30 | 21 | 41 | 25'0 |
| | | | | | | 28 | **11.3** | 4.9 | 36 | **20.9** | 5.2 | 46 | **24.5** | 6.1 | 58 | **47.4** | 6.2 | 44 | 40 | 21 | 42 | 26'0 |
| | | | | | | | | | 38 | **17.5** | 5.6 | 48 | **21.0** | 6.5 | 65 | **37.8** | 7.5 | 54 | 60 | 22 | 46 | 28'0 |
| | | | | | | | | | 40 | **14.6** | 6.0 | 50 | **18.4** | 6.9 | 70 | **30.0** | 8.6 | | | | | |

**Standard Materials: Nickel Plated Brass, 303 Stainless Steel and 316 Stainless Steel.** See chart on page 17 for complete list.