

AI 110° / AI UB 85° 20" TIP SPACING

ALL VALUES BASED ON WATER FOR OTHER LIQUIDS SEE USEFUL FORMULAS AND CONVERSIONS

| mph | | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | 8.0 | 8.5 | 9.0 | 9.5 | 10.0 | 10.5 | 11.0 | 11.5 | 12.0 | |
|---|-----|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| psi gpm | | | | | | | | | | | | | | | | | | | |
| AI110015VS 100 MESH GREEN | 30 | 0.130 | 9.6 | 8.6 | 7.7 | 7.0 | 6.4 | 5.9 | 5.5 | 5.1 | 4.8 | 4.5 | 4.3 | 4.1 | 3.9 | 3.7 | 3.5 | 3.4 | 3.2 |
| | 40 | 0.15 | 11.1 | 9.9 | 8.9 | 8.1 | 7.4 | 6.9 | 6.4 | 5.9 | 5.6 | 5.2 | 5.0 | 4.7 | 4.5 | 4.2 | 4.1 | 3.9 | 3.7 |
| | 50 | 0.168 | 12.5 | 11.1 | 10.0 | 9.1 | 8.3 | 7.7 | 7.1 | 6.6 | 6.2 | 5.9 | 5.5 | 5.2 | 5.0 | 4.7 | 4.5 | 4.3 | 4.2 |
| | 60 | 0.184 | 13.6 | 12.1 | 10.9 | 9.9 | 9.1 | 8.4 | 7.8 | 7.3 | 6.8 | 6.4 | 6.1 | 5.7 | 5.5 | 5.2 | 5.0 | 4.7 | 4.5 |
| | 70 | 0.198 | 14.7 | 13.1 | 11.8 | 10.7 | 9.8 | 9.1 | 8.4 | 7.9 | 7.4 | 6.9 | 6.5 | 6.2 | 5.9 | 5.6 | 5.4 | 5.1 | 4.9 |
| | 80 | 0.212 | 15.8 | 14.0 | 12.6 | 11.5 | 10.5 | 9.7 | 9.0 | 8.4 | 7.9 | 7.4 | 7.0 | 6.6 | 6.3 | 6.0 | 5.7 | 5.5 | 5.3 |
| | 90 | 0.225 | 16.7 | 14.9 | 13.4 | 12.2 | 11.1 | 10.3 | 9.5 | 8.9 | 8.4 | 7.9 | 7.4 | 7.0 | 6.7 | 6.4 | 6.1 | 5.8 | 5.6 |
| | 100 | 0.237 | 17.6 | 15.7 | 14.1 | 12.8 | 11.7 | 10.8 | 10.1 | 9.4 | 8.8 | 8.3 | 7.8 | 7.4 | 7.0 | 6.7 | 6.4 | 6.1 | 5.9 |
| | 110 | 0.249 | 18.5 | 16.4 | 14.8 | 13.4 | 12.3 | 11.4 | 10.6 | 9.9 | 9.2 | 8.7 | 8.2 | 7.8 | 7.4 | 7.0 | 6.7 | 6.4 | 6.2 |
| AI11002VS 50 MESH YELLOW | 30 | 0.173 | 12.9 | 11.4 | 10.3 | 9.4 | 8.6 | 7.9 | 7.3 | 6.9 | 6.4 | 6.1 | 5.7 | 5.4 | 5.1 | 4.9 | 4.7 | 4.5 | 4.3 |
| | 40 | 0.200 | 14.9 | 13.2 | 11.9 | 10.8 | 9.9 | 9.1 | 8.5 | 7.9 | 7.4 | 7.0 | 6.6 | 6.3 | 5.9 | 5.7 | 5.4 | 5.2 | 5.0 |
| | 50 | 0.224 | 16.6 | 14.8 | 13.3 | 12.1 | 11.1 | 10.2 | 9.5 | 8.9 | 8.3 | 7.8 | 7.4 | 7.0 | 6.6 | 6.3 | 6.0 | 5.8 | 5.5 |
| | 60 | 0.245 | 18.2 | 16.2 | 14.5 | 13.2 | 12.1 | 11.2 | 10.4 | 9.7 | 9.1 | 8.6 | 8.1 | 7.7 | 7.3 | 6.9 | 6.6 | 6.3 | 6.1 |
| | 70 | 0.265 | 19.6 | 17.5 | 15.7 | 14.3 | 13.1 | 12.1 | 11.2 | 10.5 | 9.8 | 9.2 | 8.7 | 8.3 | 7.9 | 7.5 | 7.1 | 6.8 | 6.5 |
| | 80 | 0.283 | 21.0 | 18.7 | 16.8 | 15.3 | 14.0 | 12.9 | 12.0 | 11.2 | 10.5 | 9.9 | 9.3 | 8.8 | 8.4 | 8.0 | 7.6 | 7.3 | 7.0 |
| | 90 | 0.300 | 22.3 | 19.8 | 17.8 | 16.2 | 14.9 | 13.7 | 12.7 | 11.9 | 11.1 | 10.5 | 9.9 | 9.4 | 8.9 | 8.5 | 8.1 | 7.7 | 7.4 |
| | 100 | 0.316 | 23.5 | 20.9 | 18.8 | 17.1 | 15.7 | 14.4 | 13.4 | 12.5 | 11.7 | 11.0 | 10.4 | 9.9 | 9.4 | 8.9 | 8.5 | 8.2 | 7.8 |
| | 110 | 0.332 | 24.6 | 21.9 | 19.7 | 17.9 | 16.4 | 15.2 | 14.1 | 13.1 | 12.3 | 11.6 | 10.9 | 10.4 | 9.9 | 9.4 | 9.0 | 8.6 | 8.2 |
| AI110025VS AIUB85025VS 50 MESH TURQUOISE | 30 | 0.217 | 16.1 | 14.3 | 12.9 | 11.7 | 10.7 | 9.9 | 9.2 | 8.6 | 8.0 | 7.6 | 7.1 | 6.8 | 6.4 | 6.1 | 5.8 | 5.6 | 5.4 |
| | 40 | 0.250 | 18.6 | 16.5 | 14.9 | 13.5 | 12.4 | 11.4 | 10.6 | 9.9 | 9.3 | 8.7 | 8.3 | 7.8 | 7.4 | 7.1 | 6.8 | 6.5 | 6.2 |
| | 50 | 0.280 | 20.8 | 18.4 | 16.6 | 15.1 | 13.8 | 12.8 | 11.9 | 11.1 | 10.4 | 9.8 | 9.2 | 8.7 | 8.3 | 7.9 | 7.5 | 7.2 | 6.9 |
| | 60 | 0.306 | 22.7 | 20.2 | 18.2 | 16.5 | 15.2 | 14.0 | 13.0 | 12.1 | 11.4 | 10.7 | 10.1 | 9.6 | 9.1 | 8.7 | 8.3 | 7.9 | 7.6 |
| | 70 | 0.331 | 24.6 | 21.8 | 19.6 | 17.9 | 16.4 | 15.1 | 14.0 | 13.1 | 12.3 | 11.6 | 10.9 | 10.3 | 9.8 | 9.4 | 8.9 | 8.5 | 8.2 |
| | 80 | 0.354 | 26.3 | 23.3 | 21.0 | 19.1 | 17.5 | 16.2 | 15.0 | 14.0 | 13.1 | 12.4 | 11.7 | 11.1 | 10.5 | 10.0 | 9.5 | 9.1 | 8.8 |
| | 90 | 0.375 | 27.8 | 24.8 | 22.3 | 20.3 | 18.6 | 17.1 | 15.9 | 14.9 | 13.9 | 13.1 | 12.4 | 11.7 | 11.1 | 10.6 | 10.1 | 9.7 | 9.3 |
| | 100 | 0.395 | 29.3 | 26.1 | 23.5 | 21.3 | 19.6 | 18.1 | 16.8 | 15.7 | 14.7 | 13.8 | 13.0 | 12.4 | 11.7 | 11.2 | 10.7 | 10.2 | 9.8 |
| | 110 | 0.415 | 30.8 | 27.4 | 24.6 | 22.4 | 20.5 | 18.9 | 17.6 | 16.4 | 15.4 | 14.5 | 13.7 | 13.0 | 12.3 | 11.7 | 11.2 | 10.7 | 10.3 |
| AI11003VS AIUB8503VS 50 MESH BLUE | 30 | 0.260 | 19.3 | 17.1 | 15.4 | 14.0 | 12.9 | 11.9 | 11.0 | 10.3 | 9.6 | 9.1 | 8.6 | 8.1 | 7.7 | 7.3 | 7.0 | 6.7 | 6.4 |
| | 40 | 0.300 | 22.3 | 19.8 | 17.8 | 16.2 | 14.9 | 13.7 | 12.7 | 11.9 | 11.1 | 10.5 | 9.9 | 9.4 | 8.9 | 8.5 | 8.1 | 7.7 | 7.4 |
| | 50 | 0.335 | 24.9 | 22.1 | 19.9 | 18.1 | 16.6 | 15.3 | 14.2 | 13.3 | 12.5 | 11.7 | 11.1 | 10.5 | 10.0 | 9.5 | 9.1 | 8.7 | 8.3 |
| | 60 | 0.367 | 27.3 | 24.2 | 21.8 | 19.8 | 18.2 | 16.8 | 15.6 | 14.5 | 13.6 | 12.8 | 12.1 | 11.5 | 10.9 | 10.4 | 9.9 | 9.5 | 9.1 |
| | 70 | 0.397 | 29.5 | 26.2 | 23.6 | 21.4 | 19.6 | 18.1 | 16.8 | 15.7 | 14.7 | 13.9 | 13.1 | 12.4 | 11.8 | 11.2 | 10.7 | 10.2 | 9.8 |
| | 80 | 0.424 | 31.5 | 28.0 | 25.2 | 22.9 | 21.0 | 19.4 | 18.0 | 16.8 | 15.8 | 14.8 | 14.0 | 13.3 | 12.6 | 12.0 | 11.5 | 11.0 | 10.5 |
| | 90 | 0.450 | 33.4 | 29.7 | 26.7 | 24.3 | 22.3 | 20.6 | 19.1 | 17.8 | 16.7 | 15.7 | 14.9 | 14.1 | 13.4 | 12.7 | 12.2 | 11.6 | 11.1 |
| | 100 | 0.474 | 35.2 | 31.3 | 28.2 | 25.6 | 23.5 | 21.7 | 20.1 | 18.8 | 17.6 | 16.6 | 15.7 | 14.8 | 14.1 | 13.4 | 12.8 | 12.3 | 11.7 |
| | 110 | 0.497 | 36.9 | 32.8 | 29.6 | 26.9 | 24.6 | 22.7 | 21.1 | 19.7 | 18.5 | 17.4 | 16.4 | 15.6 | 14.8 | 14.1 | 13.4 | 12.8 | 12.3 |
| AI11004VS AIUB8504VS 50 MESH RED | 30 | 0.346 | 25.7 | 22.9 | 20.6 | 18.7 | 17.1 | 15.8 | 14.7 | 13.7 | 12.9 | 12.1 | 11.4 | 10.8 | 10.3 | 9.8 | 9.4 | 8.9 | 8.6 |
| | 40 | 0.400 | 29.7 | 26.4 | 23.8 | 21.6 | 19.8 | 18.3 | 17.0 | 15.8 | 14.9 | 14.0 | 13.2 | 12.5 | 11.9 | 11.3 | 10.8 | 10.3 | 9.9 |
| | 50 | 0.447 | 33.2 | 29.5 | 26.6 | 24.1 | 22.1 | 20.4 | 19.0 | 17.7 | 16.6 | 15.6 | 14.8 | 14.0 | 13.3 | 12.6 | 12.1 | 11.5 | 11.1 |
| | 60 | 0.490 | 36.4 | 32.3 | 29.1 | 26.5 | 24.2 | 22.4 | 20.8 | 19.4 | 18.2 | 17.1 | 16.2 | 15.3 | 14.5 | 13.9 | 13.2 | 12.7 | 12.1 |
| | 70 | 0.529 | 39.3 | 34.9 | 31.4 | 28.6 | 26.2 | 24.2 | 22.5 | 21.0 | 19.6 | 18.5 | 17.5 | 16.5 | 15.7 | 15.0 | 14.3 | 13.7 | 13.1 |
| | 80 | 0.566 | 42.0 | 37.3 | 33.6 | 30.5 | 28.0 | 25.8 | 24.0 | 22.4 | 21.0 | 19.8 | 18.7 | 17.7 | 16.8 | 16.0 | 15.3 | 14.6 | 14.0 |
| | 90 | 0.600 | 44.6 | 39.6 | 35.6 | 32.4 | 29.7 | 27.4 | 25.5 | 23.8 | 22.3 | 21.0 | 19.8 | 18.8 | 17.8 | 17.0 | 16.2 | 15.5 | 14.9 |
| | 100 | 0.632 | 47.0 | 41.7 | 37.6 | 34.2 | 31.3 | 28.9 | 26.8 | 25.0 | 23.5 | 22.1 | 20.9 | 19.8 | 18.8 | 17.9 | 17.1 | 16.3 | 15.7 |
| | 110 | 0.663 | 49.3 | 43.8 | 39.4 | 35.8 | 32.8 | 30.3 | 28.1 | 26.3 | 24.6 | 23.2 | 21.9 | 20.7 | 19.7 | 18.8 | 17.9 | 17.1 | 16.4 |

AI 110°/ AI UB 85° 20" TIP SPACING

ALL VALUES BASED ON WATER FOR OTHER LIQUIDS SEE USEFUL FORMULAS AND CONVERSIONS

| 12.5 | 13.0 | 13.5 | 14.0 | 14.5 | 15.0 | 15.5 | 16.0 | 16.5 | 17.0 | 17.5 | 18.0 | 18.5 | 19.0 | 19.5 | 20.0 | mph | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|---------|---|
| | | | | | | | | | | | | | | | | | gpm psi | |
| 3.1 | 3.0 | 2.9 | 2.8 | 2.7 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 2.2 | 2.1 | 2.1 | 2.0 | 2.0 | 1.9 | 0.130 | 30 | AI110015VS 100 MESH GREEN |
| 3.6 | 3.4 | 3.3 | 3.2 | 3.1 | 3.0 | 2.9 | 2.8 | 2.7 | 2.6 | 2.5 | 2.5 | 2.4 | 2.3 | 2.3 | 2.2 | 0.150 | 40 | |
| 4.0 | 3.8 | 3.7 | 3.6 | 3.4 | 3.3 | 3.2 | 3.1 | 3.0 | 2.9 | 2.8 | 2.8 | 2.7 | 2.6 | 2.6 | 2.5 | 0.168 | 50 | |
| 4.4 | 4.2 | 4.0 | 3.9 | 3.8 | 3.6 | 3.5 | 3.4 | 3.3 | 3.2 | 3.1 | 3.0 | 2.9 | 2.9 | 2.8 | 2.7 | 0.184 | 60 | |
| 4.7 | 4.5 | 4.4 | 4.2 | 4.1 | 3.9 | 3.8 | 3.7 | 3.6 | 3.5 | 3.4 | 3.3 | 3.2 | 3.1 | 3.0 | 2.9 | 0.198 | 70 | |
| 5.0 | 4.8 | 4.7 | 4.5 | 4.3 | 4.2 | 4.1 | 3.9 | 3.8 | 3.7 | 3.6 | 3.5 | 3.4 | 3.3 | 3.2 | 3.2 | 0.212 | 80 | |
| 5.3 | 5.1 | 5.0 | 4.8 | 4.6 | 4.5 | 4.3 | 4.2 | 4.1 | 3.9 | 3.8 | 3.7 | 3.6 | 3.5 | 3.4 | 3.3 | 0.225 | 90 | |
| 5.6 | 5.4 | 5.2 | 5.0 | 4.9 | 4.7 | 4.5 | 4.4 | 4.3 | 4.1 | 4.0 | 3.9 | 3.8 | 3.7 | 3.6 | 3.5 | 0.237 | 100 | |
| 5.9 | 5.7 | 5.5 | 5.3 | 5.1 | 4.9 | 4.8 | 4.6 | 4.5 | 4.3 | 4.2 | 4.1 | 4.0 | 3.9 | 3.8 | 3.7 | 0.249 | 110 | |
| 4.1 | 4.0 | 3.8 | 3.7 | 3.5 | 3.4 | 3.3 | 3.2 | 3.1 | 3.0 | 2.9 | 2.9 | 2.8 | 2.7 | 2.6 | 2.6 | 0.173 | 30 | AI11002VS 50 MESH YELLOW |
| 4.8 | 4.6 | 4.4 | 4.2 | 4.1 | 4.0 | 3.8 | 3.7 | 3.6 | 3.5 | 3.4 | 3.3 | 3.2 | 3.1 | 3.0 | 3.0 | 0.200 | 40 | |
| 5.3 | 5.1 | 4.9 | 4.7 | 4.6 | 4.4 | 4.3 | 4.2 | 4.0 | 3.9 | 3.8 | 3.7 | 3.6 | 3.5 | 3.4 | 3.3 | 0.224 | 50 | |
| 5.8 | 5.6 | 5.4 | 5.2 | 5.0 | 4.8 | 4.7 | 4.5 | 4.4 | 4.3 | 4.2 | 4.0 | 3.9 | 3.8 | 3.7 | 3.6 | 0.245 | 60 | |
| 6.3 | 6.0 | 5.8 | 5.6 | 5.4 | 5.2 | 5.1 | 4.9 | 4.8 | 4.6 | 4.5 | 4.4 | 4.2 | 4.1 | 4.0 | 3.9 | 0.265 | 70 | |
| 6.7 | 6.5 | 6.2 | 6.0 | 5.8 | 5.6 | 5.4 | 5.3 | 5.1 | 4.9 | 4.8 | 4.7 | 4.5 | 4.4 | 4.3 | 4.2 | 0.283 | 80 | |
| 7.1 | 6.9 | 6.6 | 6.4 | 6.1 | 5.9 | 5.7 | 5.6 | 5.4 | 5.2 | 5.1 | 5.0 | 4.8 | 4.7 | 4.6 | 4.5 | 0.300 | 90 | |
| 7.5 | 7.2 | 7.0 | 6.7 | 6.5 | 6.3 | 6.1 | 5.9 | 5.7 | 5.5 | 5.4 | 5.2 | 5.1 | 4.9 | 4.8 | 4.7 | 0.316 | 100 | |
| 7.9 | 7.6 | 7.3 | 7.0 | 6.8 | 6.6 | 6.4 | 6.2 | 6.0 | 5.8 | 5.6 | 5.5 | 5.3 | 5.2 | 5.1 | 4.9 | 0.332 | 110 | |
| 5.1 | 4.9 | 4.8 | 4.6 | 4.4 | 4.3 | 4.1 | 4.0 | 3.9 | 3.8 | 3.7 | 3.6 | 3.5 | 3.4 | 3.3 | 3.2 | 0.217 | 30 | AI110025VS AIUB85025VS 50 MESH TURQUOISE |
| 5.9 | 5.7 | 5.5 | 5.3 | 5.1 | 5.0 | 4.8 | 4.6 | 4.5 | 4.4 | 4.2 | 4.1 | 4.0 | 3.9 | 3.8 | 3.7 | 0.250 | 40 | |
| 6.6 | 6.4 | 6.1 | 5.9 | 5.7 | 5.5 | 5.4 | 5.2 | 5.0 | 4.9 | 4.7 | 4.6 | 4.5 | 4.4 | 4.3 | 4.2 | 0.280 | 50 | |
| 7.3 | 7.0 | 6.7 | 6.5 | 6.3 | 6.1 | 5.9 | 5.7 | 5.5 | 5.3 | 5.2 | 5.1 | 4.9 | 4.8 | 4.7 | 4.5 | 0.306 | 60 | |
| 7.9 | 7.6 | 7.3 | 7.0 | 6.8 | 6.5 | 6.3 | 6.1 | 6.0 | 5.8 | 5.6 | 5.5 | 5.3 | 5.2 | 5.0 | 4.9 | 0.331 | 70 | |
| 8.4 | 8.1 | 7.8 | 7.5 | 7.2 | 7.0 | 6.8 | 6.6 | 6.4 | 6.2 | 6.0 | 5.8 | 5.7 | 5.5 | 5.4 | 5.3 | 0.354 | 80 | |
| 8.9 | 8.6 | 8.3 | 8.0 | 7.7 | 7.4 | 7.2 | 7.0 | 6.8 | 6.6 | 6.4 | 6.2 | 6.0 | 5.9 | 5.7 | 5.6 | 0.375 | 90 | |
| 9.4 | 9.0 | 8.7 | 8.4 | 8.1 | 7.8 | 7.6 | 7.3 | 7.1 | 6.9 | 6.7 | 6.5 | 6.3 | 6.2 | 6.0 | 5.9 | 0.395 | 100 | |
| 9.9 | 9.5 | 9.1 | 8.8 | 8.5 | 8.2 | 7.9 | 7.7 | 7.5 | 7.2 | 7.0 | 6.8 | 6.7 | 6.5 | 6.3 | 6.2 | 0.415 | 110 | |
| 6.2 | 5.9 | 5.7 | 5.5 | 5.3 | 5.1 | 5.0 | 4.8 | 4.7 | 4.5 | 4.4 | 4.3 | 4.2 | 4.1 | 4.0 | 3.9 | 0.260 | 30 | AI11003VS AIUB8503VS 50 MESH BLUE |
| 7.1 | 6.9 | 6.6 | 6.4 | 6.1 | 5.9 | 5.7 | 5.6 | 5.4 | 5.2 | 5.1 | 5.0 | 4.8 | 4.7 | 4.6 | 4.5 | 0.300 | 40 | |
| 8.0 | 7.7 | 7.4 | 7.1 | 6.9 | 6.6 | 6.4 | 6.2 | 6.0 | 5.9 | 5.7 | 5.5 | 5.4 | 5.2 | 5.1 | 5.0 | 0.335 | 50 | |
| 8.7 | 8.4 | 8.1 | 7.8 | 7.5 | 7.3 | 7.0 | 6.8 | 6.6 | 6.4 | 6.2 | 6.1 | 5.9 | 5.7 | 5.6 | 5.5 | 0.367 | 60 | |
| 9.4 | 9.1 | 8.7 | 8.4 | 8.1 | 7.9 | 7.6 | 7.4 | 7.1 | 6.9 | 6.7 | 6.5 | 6.4 | 6.2 | 6.0 | 5.9 | 0.397 | 70 | |
| 10.1 | 9.7 | 9.3 | 9.0 | 8.7 | 8.4 | 8.1 | 7.9 | 7.6 | 7.4 | 7.2 | 7.0 | 6.8 | 6.6 | 6.5 | 6.3 | 0.424 | 80 | |
| 10.7 | 10.3 | 9.9 | 9.5 | 9.2 | 8.9 | 8.6 | 8.4 | 8.1 | 7.9 | 7.6 | 7.4 | 7.2 | 7.0 | 6.9 | 6.7 | 0.450 | 90 | |
| 11.3 | 10.8 | 10.4 | 10.1 | 9.7 | 9.4 | 9.1 | 8.8 | 8.5 | 8.3 | 8.1 | 7.8 | 7.6 | 7.4 | 7.2 | 7.0 | 0.474 | 100 | |
| 11.8 | 11.4 | 10.9 | 10.6 | 10.2 | 9.9 | 9.5 | 9.2 | 9.0 | 8.7 | 8.4 | 8.2 | 8.0 | 7.8 | 7.6 | 7.4 | 0.497 | 110 | |
| 8.2 | 7.9 | 7.6 | 7.3 | 7.1 | 6.9 | 6.6 | 6.4 | 6.2 | 6.1 | 5.9 | 5.7 | 5.6 | 5.4 | 5.3 | 5.1 | 0.346 | 30 | AI11004VS AIUB8504VS 50 MESH RED |
| 9.5 | 9.1 | 8.8 | 8.5 | 8.2 | 7.9 | 7.7 | 7.4 | 7.2 | 7.0 | 6.8 | 6.6 | 6.4 | 6.3 | 6.1 | 5.9 | 0.400 | 40 | |
| 10.6 | 10.2 | 9.8 | 9.5 | 9.2 | 8.9 | 8.6 | 8.3 | 8.0 | 7.8 | 7.6 | 7.4 | 7.2 | 7.0 | 6.8 | 6.6 | 0.447 | 50 | |
| 11.6 | 11.2 | 10.8 | 10.4 | 10.0 | 9.7 | 9.4 | 9.1 | 8.8 | 8.6 | 8.3 | 8.1 | 7.9 | 7.7 | 7.5 | 7.3 | 0.490 | 60 | |
| 12.6 | 12.1 | 11.6 | 11.2 | 10.8 | 10.5 | 10.1 | 9.8 | 9.5 | 9.2 | 9.0 | 8.7 | 8.5 | 8.3 | 8.1 | 7.9 | 0.529 | 70 | |
| 13.4 | 12.9 | 12.4 | 12.0 | 11.6 | 11.2 | 10.8 | 10.5 | 10.2 | 9.9 | 9.6 | 9.3 | 9.1 | 8.8 | 8.6 | 8.4 | 0.566 | 80 | |
| 14.3 | 13.7 | 13.2 | 12.7 | 12.3 | 11.9 | 11.5 | 11.1 | 10.8 | 10.5 | 10.2 | 9.9 | 9.6 | 9.4 | 9.1 | 8.9 | 0.600 | 90 | |
| 15.0 | 14.4 | 13.9 | 13.4 | 13.0 | 12.5 | 12.1 | 11.7 | 11.4 | 11.0 | 10.7 | 10.4 | 10.2 | 9.9 | 9.6 | 9.4 | 0.632 | 100 | |
| 15.8 | 15.2 | 14.6 | 14.1 | 13.6 | 13.1 | 12.7 | 12.3 | 11.9 | 11.6 | 11.3 | 10.9 | 10.6 | 10.4 | 10.1 | 9.9 | 0.663 | 110 | |

AI 110°/ AI UB 85° 20" TIP SPACING

ALL VALUES BASED ON WATER FOR OTHER LIQUIDS SEE USEFUL FORMULAS AND CONVERSIONS

| mph | | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | 8.0 | 8.5 | 9.0 | 9.5 | 10.0 | 10.5 | 11.0 | 11.5 | 12.0 | |
|------------|-----|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| AI11005VS | 30 | 0.433 | 32.2 | 28.6 | 25.7 | 23.4 | 21.4 | 19.8 | 18.4 | 17.1 | 16.1 | 15.1 | 14.3 | 13.5 | 12.9 | 12.2 | 11.7 | 11.2 | 10.7 |
| | 40 | 0.500 | 37.1 | 33.0 | 29.7 | 27.0 | 24.8 | 22.8 | 21.2 | 19.8 | 18.6 | 17.5 | 16.5 | 15.6 | 14.9 | 14.1 | 13.5 | 12.9 | 12.4 |
| | 50 | 0.559 | 41.5 | 36.9 | 33.2 | 30.2 | 27.7 | 25.5 | 23.7 | 22.1 | 20.8 | 19.5 | 18.4 | 17.5 | 16.6 | 15.8 | 15.1 | 14.4 | 13.8 |
| 50 MESH | 60 | 0.612 | 45.5 | 40.4 | 36.4 | 33.1 | 30.3 | 28.0 | 26.0 | 24.2 | 22.7 | 21.4 | 20.2 | 19.1 | 18.2 | 17.3 | 16.5 | 15.8 | 15.2 |
| | 70 | 0.661 | 49.1 | 43.7 | 39.3 | 35.7 | 32.7 | 30.2 | 28.1 | 26.2 | 24.6 | 23.1 | 21.8 | 20.7 | 19.6 | 18.7 | 17.9 | 17.1 | 16.4 |
| | 80 | 0.707 | 52.5 | 46.7 | 42.0 | 38.2 | 35.0 | 32.3 | 30.0 | 28.0 | 26.3 | 24.7 | 23.3 | 22.1 | 21.0 | 20.0 | 19.1 | 18.3 | 17.5 |
| BROWN | 90 | 0.750 | 55.7 | 49.5 | 44.6 | 40.5 | 37.1 | 34.3 | 31.8 | 29.7 | 27.8 | 26.2 | 24.8 | 23.4 | 22.3 | 21.2 | 20.3 | 19.4 | 18.6 |
| | 100 | 0.791 | 58.7 | 52.2 | 47.0 | 42.7 | 39.1 | 36.1 | 33.5 | 31.3 | 29.3 | 27.6 | 26.1 | 24.7 | 23.5 | 22.4 | 21.3 | 20.4 | 19.6 |
| | 110 | 0.829 | 61.6 | 54.7 | 49.3 | 44.8 | 41.0 | 37.9 | 35.2 | 32.8 | 30.8 | 29.0 | 27.4 | 25.9 | 24.6 | 23.5 | 22.4 | 21.4 | 20.5 |
| AI11006VS | 30 | 0.520 | 38.6 | 34.3 | 30.9 | 28.1 | 25.7 | 23.7 | 22.0 | 20.6 | 19.3 | 18.2 | 17.1 | 16.2 | 15.4 | 14.7 | 14.0 | 13.4 | 12.9 |
| | 40 | 0.600 | 44.6 | 39.6 | 35.6 | 32.4 | 29.7 | 27.4 | 25.5 | 23.8 | 22.3 | 21.0 | 19.8 | 18.8 | 17.8 | 17.0 | 16.2 | 15.5 | 14.9 |
| | 50 | 0.671 | 49.8 | 44.3 | 39.8 | 36.2 | 33.2 | 30.7 | 28.5 | 26.6 | 24.9 | 23.4 | 22.1 | 21.0 | 19.9 | 19.0 | 18.1 | 17.3 | 16.6 |
| 50 MESH | 60 | 0.735 | 54.6 | 48.5 | 43.6 | 39.7 | 36.4 | 33.6 | 31.2 | 29.1 | 27.3 | 25.7 | 24.2 | 23.0 | 21.8 | 20.8 | 19.8 | 19.0 | 18.2 |
| | 70 | 0.794 | 58.9 | 52.4 | 47.1 | 42.9 | 39.3 | 36.3 | 33.7 | 31.4 | 29.5 | 27.7 | 26.2 | 24.8 | 23.6 | 22.5 | 21.4 | 20.5 | 19.6 |
| | 80 | 0.849 | 63.0 | 56.0 | 50.4 | 45.8 | 42.0 | 38.8 | 36.0 | 33.6 | 31.5 | 29.6 | 28.0 | 26.5 | 25.2 | 24.0 | 22.9 | 21.9 | 21.0 |
| GRAY | 90 | 0.900 | 66.8 | 59.4 | 53.5 | 48.6 | 44.6 | 41.1 | 38.2 | 35.6 | 33.4 | 31.4 | 29.7 | 28.1 | 26.7 | 25.5 | 24.3 | 23.2 | 22.3 |
| | 100 | 0.949 | 70.4 | 62.6 | 56.4 | 51.2 | 47.0 | 43.3 | 40.3 | 37.6 | 35.2 | 33.1 | 31.3 | 29.7 | 28.2 | 26.8 | 25.6 | 24.5 | 23.5 |
| | 110 | 0.995 | 73.9 | 65.7 | 59.1 | 53.7 | 49.3 | 45.5 | 42.2 | 39.4 | 36.9 | 34.8 | 32.8 | 31.1 | 29.6 | 28.1 | 26.9 | 25.7 | 24.6 |
| AI11008VS | 30 | 0.693 | 51.4 | 45.7 | 41.2 | 37.4 | 34.3 | 31.7 | 29.4 | 27.4 | 25.7 | 24.2 | 22.9 | 21.7 | 20.6 | 19.6 | 18.7 | 17.9 | 17.1 |
| | 40 | 0.800 | 59.4 | 52.8 | 47.5 | 43.2 | 39.6 | 36.6 | 33.9 | 31.7 | 29.7 | 28.0 | 26.4 | 25.0 | 23.8 | 22.6 | 21.6 | 20.7 | 19.8 |
| | 50 | 0.894 | 66.4 | 59.0 | 53.1 | 48.3 | 44.3 | 40.9 | 37.9 | 35.4 | 33.2 | 31.3 | 29.5 | 28.0 | 26.6 | 25.3 | 24.1 | 23.1 | 22.1 |
| 50 MESH | 60 | 0.980 | 72.7 | 64.7 | 58.2 | 52.9 | 48.5 | 44.8 | 41.6 | 38.8 | 36.4 | 34.2 | 32.3 | 30.6 | 29.1 | 27.7 | 26.5 | 25.3 | 24.2 |
| | 70 | 1.058 | 78.6 | 69.8 | 62.9 | 57.1 | 52.4 | 48.4 | 44.9 | 41.9 | 39.3 | 37.0 | 34.9 | 33.1 | 31.4 | 29.9 | 28.6 | 27.3 | 26.2 |
| | 80 | 1.131 | 84.0 | 74.7 | 67.2 | 61.1 | 56.0 | 51.7 | 48.0 | 44.8 | 42.0 | 39.5 | 37.3 | 35.4 | 33.6 | 32.0 | 30.5 | 29.2 | 28.0 |
| WHITE | 90 | 1.200 | 89.1 | 79.2 | 71.3 | 64.8 | 59.4 | 54.8 | 50.9 | 47.5 | 44.6 | 41.9 | 39.6 | 37.5 | 35.6 | 33.9 | 32.4 | 31.0 | 29.7 |
| | 100 | 1.265 | 93.9 | 83.5 | 75.1 | 68.3 | 62.6 | 57.8 | 53.7 | 50.1 | 47.0 | 44.2 | 41.7 | 39.5 | 37.6 | 35.8 | 34.2 | 32.7 | 31.3 |
| | 110 | 1.327 | 98.5 | 87.6 | 78.8 | 71.6 | 65.7 | 60.6 | 56.3 | 52.5 | 49.3 | 46.4 | 43.8 | 41.5 | 39.4 | 37.5 | 35.8 | 34.3 | 32.8 |
| AI11010VS | 30 | 0.866 | 64.3 | 57.2 | 51.4 | 46.8 | 42.9 | 39.6 | 36.7 | 34.3 | 32.2 | 30.3 | 28.6 | 27.1 | 25.7 | 24.5 | 23.4 | 22.4 | 21.4 |
| | 40 | 1.000 | 74.3 | 66.0 | 59.4 | 54.0 | 49.5 | 45.7 | 42.4 | 39.6 | 37.1 | 34.9 | 33.0 | 31.3 | 29.7 | 28.3 | 27.0 | 25.8 | 24.8 |
| | 50 | 1.118 | 83.0 | 73.8 | 66.4 | 60.4 | 55.3 | 51.1 | 47.4 | 44.3 | 41.5 | 39.1 | 36.9 | 35.0 | 33.2 | 31.6 | 30.2 | 28.9 | 27.7 |
| 50 MESH | 60 | 1.225 | 90.9 | 80.8 | 72.7 | 66.1 | 60.6 | 56.0 | 52.0 | 48.5 | 45.5 | 42.8 | 40.4 | 38.3 | 36.4 | 34.6 | 33.1 | 31.6 | 30.3 |
| | 70 | 1.323 | 98.2 | 87.3 | 78.6 | 71.4 | 65.5 | 60.4 | 56.1 | 52.4 | 49.1 | 46.2 | 43.7 | 41.4 | 39.3 | 37.4 | 35.7 | 34.2 | 32.7 |
| | 80 | 1.414 | 105.0 | 93.3 | 84.0 | 76.4 | 70.0 | 64.6 | 60.0 | 56.0 | 52.5 | 49.4 | 46.7 | 44.2 | 42.0 | 40.0 | 38.2 | 36.5 | 35.0 |
| LIGHT BLUE | 90 | 1.500 | 111.4 | 99.0 | 89.1 | 81.0 | 74.3 | 68.5 | 63.6 | 59.4 | 55.7 | 52.4 | 49.5 | 46.9 | 44.6 | 42.4 | 40.5 | 38.7 | 37.1 |
| | 100 | 1.581 | 117.4 | 104.4 | 93.9 | 85.4 | 78.3 | 72.2 | 67.1 | 62.6 | 58.7 | 55.2 | 52.2 | 49.4 | 47.0 | 44.7 | 42.7 | 40.8 | 39.1 |
| | 110 | 1.658 | 123.1 | 109.4 | 98.5 | 89.5 | 82.1 | 75.8 | 70.4 | 65.7 | 61.6 | 57.9 | 54.7 | 51.8 | 49.3 | 46.9 | 44.8 | 42.8 | 41.0 |

AI 110°/ AI UB 85° 20" TIP SPACING

ALL VALUES BASED ON WATER FOR OTHER LIQUIDS SEE USEFUL FORMULAS AND CONVERSIONS

| 12.5 | 13.0 | 13.5 | 14.0 | 14.5 | 15.0 | 15.5 | 16.0 | 16.5 | 17.0 | 17.5 | 18.0 | 18.5 | 19.0 | 19.5 | 20.0 | mph | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-----|
| 10.3 | 9.9 | 9.5 | 9.2 | 8.9 | 8.6 | 8.3 | 8.0 | 7.8 | 7.6 | 7.3 | 7.1 | 7.0 | 6.8 | 6.6 | 6.4 | 0.433 | 30 |
| 11.9 | 11.4 | 11.0 | 10.6 | 10.2 | 9.9 | 9.6 | 9.3 | 9.0 | 8.7 | 8.5 | 8.3 | 8.0 | 7.8 | 7.6 | 7.4 | 0.500 | 40 |
| 13.3 | 12.8 | 12.3 | 11.9 | 11.5 | 11.1 | 10.7 | 10.4 | 10.1 | 9.8 | 9.5 | 9.2 | 9.0 | 8.7 | 8.5 | 8.3 | 0.559 | 50 |
| 14.5 | 14.0 | 13.5 | 13.0 | 12.5 | 12.1 | 11.7 | 11.4 | 11.0 | 10.7 | 10.4 | 10.1 | 9.8 | 9.6 | 9.3 | 9.1 | 0.612 | 60 |
| 15.7 | 15.1 | 14.6 | 14.0 | 13.5 | 13.1 | 12.7 | 12.3 | 11.9 | 11.6 | 11.2 | 10.9 | 10.6 | 10.3 | 10.1 | 9.8 | 0.661 | 70 |
| 16.8 | 16.2 | 15.6 | 15.0 | 14.5 | 14.0 | 13.5 | 13.1 | 12.7 | 12.4 | 12.0 | 11.7 | 11.4 | 11.1 | 10.8 | 10.5 | 0.707 | 80 |
| 17.8 | 17.1 | 16.5 | 15.9 | 15.4 | 14.9 | 14.4 | 13.9 | 13.5 | 13.1 | 12.7 | 12.4 | 12.0 | 11.7 | 11.4 | 11.1 | 0.750 | 90 |
| 18.8 | 18.1 | 17.4 | 16.8 | 16.2 | 15.7 | 15.1 | 14.7 | 14.2 | 13.8 | 13.4 | 13.0 | 12.7 | 12.4 | 12.0 | 11.7 | 0.791 | 100 |
| 19.7 | 18.9 | 18.2 | 17.6 | 17.0 | 16.4 | 15.9 | 15.4 | 14.9 | 14.5 | 14.1 | 13.7 | 13.3 | 13.0 | 12.6 | 12.3 | 0.829 | 110 |
| 12.3 | 11.9 | 11.4 | 11.0 | 10.6 | 10.3 | 10.0 | 9.6 | 9.4 | 9.1 | 8.8 | 8.6 | 8.3 | 8.1 | 7.9 | 7.7 | 0.520 | 30 |
| 14.3 | 13.7 | 13.2 | 12.7 | 12.3 | 11.9 | 11.5 | 11.1 | 10.8 | 10.5 | 10.2 | 9.9 | 9.6 | 9.4 | 9.1 | 8.9 | 0.600 | 40 |
| 15.9 | 15.3 | 14.8 | 14.2 | 13.7 | 13.3 | 12.9 | 12.5 | 12.1 | 11.7 | 11.4 | 11.1 | 10.8 | 10.5 | 10.2 | 10.0 | 0.671 | 50 |
| 17.5 | 16.8 | 16.2 | 15.6 | 15.1 | 14.5 | 14.1 | 13.6 | 13.2 | 12.8 | 12.5 | 12.1 | 11.8 | 11.5 | 11.2 | 10.9 | 0.735 | 60 |
| 18.9 | 18.1 | 17.5 | 16.8 | 16.3 | 15.7 | 15.2 | 14.7 | 14.3 | 13.9 | 13.5 | 13.1 | 12.7 | 12.4 | 12.1 | 11.8 | 0.794 | 70 |
| 20.2 | 19.4 | 18.7 | 18.0 | 17.4 | 16.8 | 16.3 | 15.8 | 15.3 | 14.8 | 14.4 | 14.0 | 13.6 | 13.3 | 12.9 | 12.6 | 0.849 | 80 |
| 21.4 | 20.6 | 19.8 | 19.1 | 18.4 | 17.8 | 17.2 | 16.7 | 16.2 | 15.7 | 15.3 | 14.9 | 14.4 | 14.1 | 13.7 | 13.4 | 0.900 | 90 |
| 22.5 | 21.7 | 20.9 | 20.1 | 19.4 | 18.8 | 18.2 | 17.6 | 17.1 | 16.6 | 16.1 | 15.7 | 15.2 | 14.8 | 14.4 | 14.1 | 0.949 | 100 |
| 23.6 | 22.7 | 21.9 | 21.1 | 20.4 | 19.7 | 19.1 | 18.5 | 17.9 | 17.4 | 16.9 | 16.4 | 16.0 | 15.6 | 15.2 | 14.8 | 0.995 | 110 |
| 16.5 | 15.8 | 15.2 | 14.7 | 14.2 | 13.7 | 13.3 | 12.9 | 12.5 | 12.1 | 11.8 | 11.4 | 11.1 | 10.8 | 10.6 | 10.3 | 0.693 | 30 |
| 19.0 | 18.3 | 17.6 | 17.0 | 16.4 | 15.8 | 15.3 | 14.9 | 14.4 | 14.0 | 13.6 | 13.2 | 12.8 | 12.5 | 12.2 | 11.9 | 0.800 | 40 |
| 21.3 | 20.4 | 19.7 | 19.0 | 18.3 | 17.7 | 17.1 | 16.6 | 16.1 | 15.6 | 15.2 | 14.8 | 14.4 | 14.0 | 13.6 | 13.3 | 0.894 | 50 |
| 23.3 | 22.4 | 21.6 | 20.8 | 20.1 | 19.4 | 18.8 | 18.2 | 17.6 | 17.1 | 16.6 | 16.2 | 15.7 | 15.3 | 14.9 | 14.5 | 0.980 | 60 |
| 25.1 | 24.2 | 23.3 | 22.5 | 21.7 | 21.0 | 20.3 | 19.6 | 19.0 | 18.5 | 18.0 | 17.5 | 17.0 | 16.5 | 16.1 | 15.7 | 1.058 | 70 |
| 26.9 | 25.8 | 24.9 | 24.0 | 23.2 | 22.4 | 21.7 | 21.0 | 20.4 | 19.8 | 19.2 | 18.7 | 18.2 | 17.7 | 17.2 | 16.8 | 1.131 | 80 |
| 28.5 | 27.4 | 26.4 | 25.5 | 24.6 | 23.8 | 23.0 | 22.3 | 21.6 | 21.0 | 20.4 | 19.8 | 19.3 | 18.8 | 18.3 | 17.8 | 1.200 | 90 |
| 30.1 | 28.9 | 27.8 | 26.8 | 25.9 | 25.0 | 24.2 | 23.5 | 22.8 | 22.1 | 21.5 | 20.9 | 20.3 | 19.8 | 19.3 | 18.8 | 1.265 | 100 |
| 31.5 | 30.3 | 29.2 | 28.1 | 27.2 | 26.3 | 25.4 | 24.6 | 23.9 | 23.2 | 22.5 | 21.9 | 21.3 | 20.7 | 20.2 | 19.7 | 1.327 | 110 |
| 20.6 | 19.8 | 19.1 | 18.4 | 17.7 | 17.1 | 16.6 | 16.1 | 15.6 | 15.1 | 14.7 | 14.3 | 13.9 | 13.5 | 13.2 | 12.9 | 0.866 | 30 |
| 23.8 | 22.8 | 22.0 | 21.2 | 20.5 | 19.8 | 19.2 | 18.6 | 18.0 | 17.5 | 17.0 | 16.5 | 16.1 | 15.6 | 15.2 | 14.9 | 1.000 | 40 |
| 26.6 | 25.5 | 24.6 | 23.7 | 22.9 | 22.1 | 21.4 | 20.8 | 20.1 | 19.5 | 19.0 | 18.4 | 17.9 | 17.5 | 17.0 | 16.6 | 1.118 | 50 |
| 29.1 | 28.0 | 26.9 | 26.0 | 25.1 | 24.2 | 23.5 | 22.7 | 22.0 | 21.4 | 20.8 | 20.2 | 19.7 | 19.1 | 18.7 | 18.2 | 1.225 | 60 |
| 31.4 | 30.2 | 29.1 | 28.1 | 27.1 | 26.2 | 25.3 | 24.6 | 23.8 | 23.1 | 22.5 | 21.8 | 21.2 | 20.7 | 20.1 | 19.6 | 1.323 | 70 |
| 33.6 | 32.3 | 31.1 | 30.0 | 29.0 | 28.0 | 27.1 | 26.3 | 25.5 | 24.7 | 24.0 | 23.3 | 22.7 | 22.1 | 21.5 | 21.0 | 1.414 | 80 |
| 35.6 | 34.3 | 33.0 | 31.8 | 30.7 | 29.7 | 28.7 | 27.8 | 27.0 | 26.2 | 25.5 | 24.8 | 24.1 | 23.4 | 22.8 | 22.3 | 1.500 | 90 |
| 37.6 | 36.1 | 34.8 | 33.5 | 32.4 | 31.3 | 30.3 | 29.3 | 28.5 | 27.6 | 26.8 | 26.1 | 25.4 | 24.7 | 24.1 | 23.5 | 1.581 | 100 |
| 39.4 | 37.9 | 36.5 | 35.2 | 34.0 | 32.8 | 31.8 | 30.8 | 29.8 | 29.0 | 28.1 | 27.4 | 26.6 | 25.9 | 25.3 | 24.6 | 1.658 | 110 |