

TP 110°/ 80° 18" 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 | | | | | | | | | | | | | | | | | | | |
| 8001VS | 20 | 0.07 | 5.9 | 5.2 | 4.7 | 4.3 | 3.9 | 3.6 | 3.3 | 3.1 | 2.9 | 2.8 | 2.6 | 2.5 | 2.3 | 2.2 | 2.1 | 2.0 | 2.0 |
| | 30 | 0.09 | 7.2 | 6.4 | 5.7 | 5.2 | 4.8 | 4.4 | 4.1 | 3.8 | 3.6 | 3.4 | 3.2 | 3.0 | 2.9 | 2.7 | 2.6 | 2.5 | 2.4 |
| 11001VS | 40 | 0.10 | 8.3 | 7.3 | 6.6 | 6.0 | 5.5 | 5.1 | 4.7 | 4.4 | 4.1 | 3.9 | 3.7 | 3.5 | 3.3 | 3.1 | 3.0 | 2.9 | 2.8 |
| 100 MESH | 50 | 0.11 | 9.2 | 8.2 | 7.4 | 6.7 | 6.2 | 5.7 | 5.3 | 4.9 | 4.6 | 4.3 | 4.1 | 3.9 | 3.7 | 3.5 | 3.4 | 3.2 | 3.1 |
| ORANGE | 60 | 0.12 | 10.1 | 8.9 | 8.1 | 7.3 | 6.7 | 6.2 | 5.8 | 5.4 | 5.0 | 4.7 | 4.5 | 4.2 | 4.0 | 3.8 | 3.7 | 3.5 | 3.4 |
| | | | | | | | | | | | | | | | | | | | |
| 80015VS | 20 | 0.11 | 8.7 | 7.8 | 7.0 | 6.4 | 5.8 | 5.4 | 5.0 | 4.7 | 4.4 | 4.1 | 3.9 | 3.7 | 3.5 | 3.3 | 3.2 | 3.0 | 2.9 |
| | 30 | 0.13 | 10.7 | 9.5 | 8.6 | 7.8 | 7.2 | 6.6 | 6.1 | 5.7 | 5.4 | 5.0 | 4.8 | 4.5 | 4.3 | 4.1 | 3.9 | 3.7 | 3.6 |
| 110015VS | 40 | 0.15 | 12.4 | 11.0 | 9.9 | 9.0 | 8.3 | 7.6 | 7.1 | 6.6 | 6.2 | 5.8 | 5.5 | 5.2 | 5.0 | 4.7 | 4.5 | 4.3 | 4.1 |
| 100 MESH | 50 | 0.17 | 13.9 | 12.3 | 11.1 | 10.1 | 9.2 | 8.5 | 7.9 | 7.4 | 6.9 | 6.5 | 6.2 | 5.8 | 5.5 | 5.3 | 5.0 | 4.8 | 4.6 |
| GREEN | 60 | 0.18 | 15.2 | 13.5 | 12.1 | 11.0 | 10.1 | 9.3 | 8.7 | 8.1 | 7.6 | 7.1 | 6.7 | 6.4 | 6.1 | 5.8 | 5.5 | 5.3 | 5.1 |
| | | | | | | | | | | | | | | | | | | | |
| 8002VS | 20 | 0.14 | 11.6 | 10.3 | 9.3 | 8.5 | 7.8 | 7.2 | 6.6 | 6.2 | 5.8 | 5.5 | 5.2 | 4.9 | 4.7 | 4.4 | 4.2 | 4.0 | 3.9 |
| | 30 | 0.17 | 14.3 | 12.7 | 11.4 | 10.4 | 9.5 | 8.8 | 8.2 | 7.6 | 7.1 | 6.7 | 6.3 | 6.0 | 5.7 | 5.4 | 5.2 | 5.0 | 4.8 |
| 11002VS | 40 | 0.20 | 16.5 | 14.7 | 13.2 | 12.0 | 11.0 | 10.2 | 9.4 | 8.8 | 8.3 | 7.8 | 7.3 | 6.9 | 6.6 | 6.3 | 6.0 | 5.7 | 5.5 |
| 50 MESH | 50 | 0.22 | 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 |
| YELLOW | 60 | 0.25 | 20.2 | 18.0 | 16.2 | 14.7 | 13.5 | 12.4 | 11.6 | 10.8 | 10.1 | 9.5 | 9.0 | 8.5 | 8.1 | 7.7 | 7.4 | 7.0 | 6.7 |
| | | | | | | | | | | | | | | | | | | | |
| 8003VS | 20 | 0.21 | 17.5 | 15.5 | 14.0 | 12.7 | 11.7 | 10.8 | 10.0 | 9.3 | 8.7 | 8.2 | 7.8 | 7.4 | 7.0 | 6.7 | 6.4 | 6.1 | 5.8 |
| | 30 | 0.26 | 21.5 | 19.1 | 17.2 | 15.6 | 14.3 | 13.2 | 12.3 | 11.4 | 10.7 | 10.1 | 9.5 | 9.0 | 8.6 | 8.2 | 7.8 | 7.5 | 7.2 |
| 11003VS | 40 | 0.30 | 24.8 | 22.0 | 19.8 | 18.0 | 16.5 | 15.2 | 14.1 | 13.2 | 12.4 | 11.6 | 11.0 | 10.4 | 9.9 | 9.4 | 9.0 | 8.6 | 8.3 |
| 50 MESH | 50 | 0.34 | 27.6 | 24.6 | 22.1 | 20.1 | 18.4 | 17.0 | 15.8 | 14.7 | 13.8 | 13.0 | 12.3 | 11.6 | 11.1 | 10.5 | 10.1 | 9.6 | 9.2 |
| BLUE | 60 | 0.37 | 30.3 | 26.9 | 24.2 | 22.0 | 20.2 | 18.6 | 17.3 | 16.1 | 15.1 | 14.2 | 13.5 | 12.7 | 12.1 | 11.5 | 11.0 | 10.5 | 10.1 |
| | | | | | | | | | | | | | | | | | | | |
| 8004VS | 20 | 0.28 | 23.3 | 20.8 | 18.7 | 17.0 | 15.6 | 14.4 | 13.3 | 12.5 | 11.7 | 11.0 | 10.4 | 9.8 | 9.3 | 8.9 | 8.5 | 8.1 | 7.8 |
| | 30 | 0.35 | 28.5 | 25.4 | 22.8 | 20.8 | 19.0 | 17.6 | 16.3 | 15.2 | 14.3 | 13.4 | 12.7 | 12.0 | 11.4 | 10.9 | 10.4 | 9.9 | 9.5 |
| 11004VS | 40 | 0.40 | 33.0 | 29.3 | 26.4 | 24.0 | 22.0 | 20.3 | 18.9 | 17.6 | 16.5 | 15.5 | 14.7 | 13.9 | 13.2 | 12.6 | 12.0 | 11.5 | 11.0 |
| 50 MESH | 50 | 0.45 | 36.9 | 32.8 | 29.5 | 26.8 | 24.6 | 22.7 | 21.1 | 19.7 | 18.4 | 17.4 | 16.4 | 15.5 | 14.8 | 14.0 | 13.4 | 12.8 | 12.3 |
| RED | 60 | 0.49 | 40.4 | 35.9 | 32.3 | 29.4 | 27.0 | 24.9 | 23.1 | 21.6 | 20.2 | 19.0 | 18.0 | 17.0 | 16.2 | 15.4 | 14.7 | 14.1 | 13.5 |
| | | | | | | | | | | | | | | | | | | | |
| 8005VS | 20 | 0.35 | 29.2 | 26.0 | 23.4 | 21.2 | 19.5 | 18.0 | 16.7 | 15.6 | 14.6 | 13.7 | 13.0 | 12.3 | 11.7 | 11.1 | 10.6 | 10.2 | 9.7 |
| | 30 | 0.43 | 35.7 | 31.8 | 28.6 | 26.0 | 23.8 | 22.0 | 20.4 | 19.1 | 17.9 | 16.8 | 15.9 | 15.0 | 14.3 | 13.6 | 13.0 | 12.4 | 11.9 |
| 11005VS | 40 | 0.50 | 41.3 | 36.7 | 33.0 | 30.0 | 27.5 | 25.4 | 23.6 | 22.0 | 20.6 | 19.4 | 18.3 | 17.4 | 16.5 | 15.7 | 15.0 | 14.3 | 13.8 |
| 50 MESH | 50 | 0.56 | 46.1 | 41.0 | 36.9 | 33.5 | 30.7 | 28.4 | 26.4 | 24.6 | 23.1 | 21.7 | 20.5 | 19.4 | 18.4 | 17.6 | 16.8 | 16.0 | 15.4 |
| BROWN | 60 | 0.61 | 50.5 | 44.9 | 40.4 | 36.7 | 33.7 | 31.1 | 28.9 | 26.9 | 25.2 | 23.8 | 22.4 | 21.3 | 20.2 | 19.2 | 18.4 | 17.6 | 16.8 |

TP 110° 80° 18" TIP SPACING

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

| | | | | | | | | | | | | | | | | mph | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|----------|----------|
| 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 | | | | |
| | | | | | | | | | | | | | | | | gpm | | psi | |
| 1.9 | 1.8 | 1.7 | 1.7 | 1.6 | 1.6 | 1.5 | 1.5 | 1.4 | 1.4 | 1.3 | 1.3 | 1.3 | 1.2 | 1.2 | 1.2 | 0.07 | 20 | 8001VS | 11001VS |
| 2.3 | 2.2 | 2.1 | 2.1 | 2.0 | 1.9 | 1.9 | 1.8 | 1.7 | 1.7 | 1.6 | 1.6 | 1.6 | 1.5 | 1.5 | 1.4 | 0.09 | 30 | | |
| 2.6 | 2.5 | 2.4 | 2.4 | 2.3 | 2.2 | 2.1 | 2.1 | 2.0 | 1.9 | 1.9 | 1.8 | 1.8 | 1.7 | 1.7 | 1.7 | 0.10 | 40 | 100 MESH | ORANGE |
| 3.0 | 2.8 | 2.7 | 2.6 | 2.5 | 2.5 | 2.4 | 2.3 | 2.2 | 2.2 | 2.1 | 2.1 | 2.0 | 1.9 | 1.9 | 1.8 | 0.11 | 50 | | |
| 3.2 | 3.1 | 3.0 | 2.9 | 2.8 | 2.7 | 2.6 | 2.5 | 2.4 | 2.4 | 2.3 | 2.2 | 2.2 | 2.1 | 2.1 | 2.0 | 0.12 | 60 | | |
| | | | | | | | | | | | | | | | | | | | |
| 2.8 | 2.7 | 2.6 | 2.5 | 2.4 | 2.3 | 2.3 | 2.2 | 2.1 | 2.1 | 2.0 | 1.9 | 1.9 | 1.8 | 1.8 | 1.7 | 0.11 | 20 | 80015VS | 110015VS |
| 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 | 2.1 | 0.13 | 30 | | |
| 4.0 | 3.8 | 3.7 | 3.5 | 3.4 | 3.3 | 3.2 | 3.1 | 3.0 | 2.9 | 2.8 | 2.8 | 2.7 | 2.6 | 2.5 | 2.5 | 0.15 | 40 | 100 MESH | GREEN |
| 4.4 | 4.3 | 4.1 | 4.0 | 3.8 | 3.7 | 3.6 | 3.5 | 3.4 | 3.3 | 3.2 | 3.1 | 3.0 | 2.9 | 2.8 | 2.8 | 0.17 | 50 | | |
| 4.9 | 4.7 | 4.5 | 4.3 | 4.2 | 4.0 | 3.9 | 3.8 | 3.7 | 3.6 | 3.5 | 3.4 | 3.3 | 3.2 | 3.1 | 3.0 | 0.18 | 60 | | |
| | | | | | | | | | | | | | | | | | | | |
| 3.7 | 3.6 | 3.4 | 3.3 | 3.2 | 3.1 | 3.0 | 2.9 | 2.8 | 2.7 | 2.7 | 2.6 | 2.5 | 2.4 | 2.4 | 2.3 | 0.14 | 20 | 8002VS | 11002VS |
| 4.6 | 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 | 2.9 | 0.17 | 30 | | |
| 5.3 | 5.1 | 4.9 | 4.7 | 4.6 | 4.4 | 4.3 | 4.1 | 4.0 | 3.9 | 3.8 | 3.7 | 3.6 | 3.5 | 3.4 | 3.3 | 0.20 | 40 | 50 MESH | YELLOW |
| 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 | 0.22 | 50 | | |
| 6.5 | 6.2 | 6.0 | 5.8 | 5.6 | 5.4 | 5.2 | 5.1 | 4.9 | 4.8 | 4.6 | 4.5 | 4.4 | 4.3 | 4.1 | 4.0 | 0.25 | 60 | | |
| | | | | | | | | | | | | | | | | | | | |
| 5.6 | 5.4 | 5.2 | 5.0 | 4.8 | 4.7 | 4.5 | 4.4 | 4.2 | 4.1 | 4.0 | 3.9 | 3.8 | 3.7 | 3.6 | 3.5 | 0.21 | 20 | 8003VS | 11003VS |
| 6.9 | 6.6 | 6.4 | 6.1 | 5.9 | 5.7 | 5.5 | 5.4 | 5.2 | 5.0 | 4.9 | 4.8 | 4.6 | 4.5 | 4.4 | 4.3 | 0.26 | 30 | | |
| 7.9 | 7.6 | 7.3 | 7.1 | 6.8 | 6.6 | 6.4 | 6.2 | 6.0 | 5.8 | 5.7 | 5.5 | 5.4 | 5.2 | 5.1 | 5.0 | 0.30 | 40 | 50 MESH | BLUE |
| 8.8 | 8.5 | 8.2 | 7.9 | 7.6 | 7.4 | 7.1 | 6.9 | 6.7 | 6.5 | 6.3 | 6.1 | 6.0 | 5.8 | 5.7 | 5.5 | 0.34 | 50 | | |
| 9.7 | 9.3 | 9.0 | 8.7 | 8.4 | 8.1 | 7.8 | 7.6 | 7.3 | 7.1 | 6.9 | 6.7 | 6.5 | 6.4 | 6.2 | 6.1 | 0.37 | 60 | | |
| | | | | | | | | | | | | | | | | | | | |
| 7.5 | 7.2 | 6.9 | 6.7 | 6.4 | 6.2 | 6.0 | 5.8 | 5.7 | 5.5 | 5.3 | 5.2 | 5.0 | 4.9 | 4.8 | 4.7 | 0.28 | 20 | 8004VS | 11004VS |
| 9.1 | 8.8 | 8.5 | 8.2 | 7.9 | 7.6 | 7.4 | 7.1 | 6.9 | 6.7 | 6.5 | 6.3 | 6.2 | 6.0 | 5.9 | 5.7 | 0.35 | 30 | | |
| 10.6 | 10.2 | 9.8 | 9.4 | 9.1 | 8.8 | 8.5 | 8.3 | 8.0 | 7.8 | 7.5 | 7.3 | 7.1 | 6.9 | 6.8 | 6.6 | 0.40 | 40 | 50 MESH | RED |
| 11.8 | 11.3 | 10.9 | 10.5 | 10.2 | 9.8 | 9.5 | 9.2 | 8.9 | 8.7 | 8.4 | 8.2 | 8.0 | 7.8 | 7.6 | 7.4 | 0.45 | 50 | | |
| 12.9 | 12.4 | 12.0 | 11.6 | 11.2 | 10.8 | 10.4 | 10.1 | 9.8 | 9.5 | 9.2 | 9.0 | 8.7 | 8.5 | 8.3 | 8.1 | 0.49 | 60 | | |
| | | | | | | | | | | | | | | | | | | | |
| 9.3 | 9.0 | 8.7 | 8.3 | 8.1 | 7.8 | 7.5 | 7.3 | 7.1 | 6.9 | 6.7 | 6.5 | 6.3 | 6.1 | 6.0 | 5.8 | 0.35 | 20 | 8005VS | 11005VS |
| 11.4 | 11.0 | 10.6 | 10.2 | 9.9 | 9.5 | 9.2 | 8.9 | 8.7 | 8.4 | 8.2 | 7.9 | 7.7 | 7.5 | 7.3 | 7.1 | 0.43 | 30 | | |
| 13.2 | 12.7 | 12.2 | 11.8 | 11.4 | 11.0 | 10.6 | 10.3 | 10.0 | 9.7 | 9.4 | 9.2 | 8.9 | 8.7 | 8.5 | 8.3 | 0.50 | 40 | 50 MESH | BROWN |
| 14.8 | 14.2 | 13.7 | 13.2 | 12.7 | 12.3 | 11.9 | 11.5 | 11.2 | 10.9 | 10.5 | 10.2 | 10.0 | 9.7 | 9.5 | 9.2 | 0.56 | 50 | | |
| 16.2 | 15.5 | 15.0 | 14.4 | 13.9 | 13.5 | 13.0 | 12.6 | 12.2 | 11.9 | 11.5 | 11.2 | 10.9 | 10.6 | 10.4 | 10.1 | 0.61 | 60 | | |

TP 110°/ 80° 18" 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 | |
|--------------|----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 8006VS | 20 | 0.42 | 35.0 | 31.1 | 28.0 | 25.4 | 23.3 | 21.5 | 20.0 | 18.7 | 17.5 | 16.5 | 15.5 | 14.7 | 14.0 | 13.3 | 12.7 | 12.2 | 11.7 |
| | 30 | 0.52 | 42.9 | 38.1 | 34.3 | 31.2 | 28.6 | 26.4 | 24.5 | 22.9 | 21.5 | 20.2 | 19.1 | 18.1 | 17.2 | 16.3 | 15.6 | 14.9 | 14.3 |
| 11006VS | 40 | 0.60 | 49.5 | 44.0 | 39.6 | 36.0 | 33.0 | 30.5 | 28.3 | 26.4 | 24.8 | 23.3 | 22.0 | 20.8 | 19.8 | 18.9 | 18.0 | 17.2 | 16.5 |
| | 50 | 0.67 | 55.4 | 49.2 | 44.3 | 40.3 | 36.9 | 34.1 | 31.6 | 29.5 | 27.7 | 26.1 | 24.6 | 23.3 | 22.1 | 21.1 | 20.1 | 19.3 | 18.5 |
| 50 MESH GRAY | 60 | 0.74 | 60.6 | 53.9 | 48.5 | 44.1 | 40.4 | 37.3 | 34.7 | 32.3 | 30.3 | 28.5 | 27.0 | 25.5 | 24.3 | 23.1 | 22.1 | 21.1 | 20.2 |
| | 20 | 0.63 | 52.1 | 46.3 | 41.7 | 37.9 | 34.8 | 32.1 | 29.8 | 27.8 | 26.1 | 24.5 | 23.2 | 22.0 | 20.9 | 19.9 | 19.0 | 18.1 | 17.4 |
| 8008VS | 30 | 0.69 | 57.2 | 50.8 | 45.7 | 41.6 | 38.1 | 35.2 | 32.7 | 30.5 | 28.6 | 26.9 | 25.4 | 24.1 | 22.9 | 21.8 | 20.8 | 19.9 | 19.1 |
| | 40 | 0.80 | 66.0 | 58.7 | 52.8 | 48.0 | 44.0 | 40.6 | 37.7 | 35.2 | 33.0 | 31.1 | 29.3 | 27.8 | 26.4 | 25.1 | 24.0 | 23.0 | 22.0 |
| 11008VS | 50 | 0.89 | 73.8 | 65.6 | 59.0 | 53.6 | 49.2 | 45.4 | 42.1 | 39.3 | 36.9 | 34.7 | 32.8 | 31.1 | 29.5 | 28.1 | 26.8 | 25.7 | 24.6 |
| | 60 | 0.98 | 80.9 | 71.9 | 64.7 | 58.8 | 53.9 | 49.8 | 46.2 | 43.1 | 40.4 | 38.0 | 35.9 | 34.0 | 32.3 | 30.8 | 29.4 | 28.1 | 27.0 |
| 8010SS | 20 | 0.71 | 58.3 | 51.8 | 46.7 | 42.4 | 38.9 | 35.9 | 33.3 | 31.1 | 29.2 | 27.4 | 25.9 | 24.6 | 23.3 | 22.2 | 21.2 | 20.3 | 19.4 |
| | 30 | 0.87 | 71.4 | 63.5 | 57.2 | 52.0 | 47.6 | 44.0 | 40.8 | 38.1 | 35.7 | 33.6 | 31.8 | 30.1 | 28.6 | 27.2 | 26.0 | 24.9 | 23.8 |
| 11010SS | 40 | 1.00 | 82.5 | 73.3 | 66.0 | 60.0 | 55.0 | 50.8 | 47.1 | 44.0 | 41.3 | 38.8 | 36.7 | 34.7 | 33.0 | 31.4 | 30.0 | 28.7 | 27.5 |
| | 50 | 1.12 | 92.2 | 82.0 | 73.8 | 67.1 | 61.5 | 56.8 | 52.7 | 49.2 | 46.1 | 43.4 | 41.0 | 38.8 | 36.9 | 35.1 | 33.5 | 32.1 | 30.7 |
| 50 MESH | 60 | 1.23 | 101.1 | 89.8 | 80.9 | 73.5 | 67.4 | 62.2 | 57.8 | 53.9 | 50.5 | 47.6 | 44.9 | 42.6 | 40.4 | 38.5 | 36.8 | 35.2 | 33.7 |
| | 20 | 1.06 | 87.5 | 77.8 | 70.0 | 63.7 | 58.4 | 53.9 | 50.0 | 46.7 | 43.8 | 41.2 | 38.9 | 36.9 | 35.0 | 33.3 | 31.8 | 30.4 | 29.2 |
| 8015SS | 30 | 1.30 | 107.2 | 95.3 | 85.7 | 77.9 | 71.4 | 65.9 | 61.2 | 57.2 | 53.6 | 50.4 | 47.6 | 45.1 | 42.9 | 40.8 | 39.0 | 37.3 | 35.7 |
| | 40 | 1.50 | 123.8 | 110.0 | 99.0 | 90.0 | 82.5 | 76.2 | 70.7 | 66.0 | 61.9 | 58.2 | 55.0 | 52.1 | 49.5 | 47.1 | 45.0 | 43.0 | 41.3 |
| 11015SS | 50 | 1.68 | 138.4 | 123.0 | 110.7 | 100.6 | 92.2 | 85.1 | 79.1 | 73.8 | 69.2 | 65.1 | 61.5 | 58.3 | 55.3 | 52.7 | 50.3 | 48.1 | 46.1 |
| | 60 | 1.84 | 151.6 | 134.7 | 121.2 | 110.2 | 101.0 | 93.3 | 86.6 | 80.8 | 75.8 | 71.3 | 67.4 | 63.8 | 60.6 | 57.7 | 55.1 | 52.7 | 50.5 |
| 8020SS | 20 | 1.41 | 116.7 | 103.7 | 93.3 | 84.8 | 77.8 | 71.8 | 66.7 | 62.2 | 58.3 | 54.9 | 51.8 | 49.1 | 46.7 | 44.4 | 42.4 | 40.6 | 38.9 |
| | 30 | 1.73 | 142.9 | 127.0 | 114.3 | 103.9 | 95.3 | 87.9 | 81.7 | 76.2 | 71.4 | 67.2 | 63.5 | 60.2 | 57.2 | 54.4 | 52.0 | 49.7 | 47.6 |
| 11020SS | 40 | 2.00 | 165.0 | 146.7 | 132.0 | 120.0 | 110.0 | 101.5 | 94.3 | 88.0 | 82.5 | 77.6 | 73.3 | 69.5 | 66.0 | 62.9 | 60.0 | 57.4 | 55.0 |
| | 50 | 2.24 | 184.5 | 164.0 | 147.6 | 134.2 | 123.0 | 113.5 | 105.4 | 98.4 | 92.2 | 86.8 | 82.0 | 77.7 | 73.8 | 70.3 | 67.1 | 64.2 | 61.5 |
| 50 MESH | 60 | 2.45 | 202.0 | 179.6 | 161.6 | 146.9 | 134.7 | 124.3 | 115.5 | 107.8 | 101.0 | 95.1 | 89.8 | 85.1 | 80.8 | 77.0 | 73.5 | 70.3 | 67.3 |

TP 110°/ 80° 18" 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 | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|---------------------------------------|
| 11.2 | 10.8 | 10.4 | 10.0 | 9.6 | 9.3 | 9.0 | 8.7 | 8.5 | 8.2 | 8.0 | 7.8 | 7.6 | 7.4 | 7.2 | 7.0 | 0.42 | 20 | 8006VS 11006VS 50 MESH GRAY |
| 13.7 | 13.2 | 12.7 | 12.3 | 11.8 | 11.4 | 11.1 | 10.7 | 10.4 | 10.1 | 9.8 | 9.5 | 9.3 | 9.0 | 8.8 | 8.6 | 0.52 | 30 | |
| 15.8 | 15.2 | 14.7 | 14.1 | 13.7 | 13.2 | 12.8 | 12.4 | 12.0 | 11.6 | 11.3 | 11.0 | 10.7 | 10.4 | 10.2 | 9.9 | 0.60 | 40 | |
| 17.7 | 17.0 | 16.4 | 15.8 | 15.3 | 14.8 | 14.3 | 13.8 | 13.4 | 13.0 | 12.7 | 12.3 | 12.0 | 11.7 | 11.4 | 11.1 | 0.67 | 50 | |
| 19.4 | 18.7 | 18.0 | 17.3 | 16.7 | 16.2 | 15.6 | 15.2 | 14.7 | 14.3 | 13.9 | 13.5 | 13.1 | 12.8 | 12.4 | 12.1 | 0.74 | 60 | |
| 16.7 | 16.0 | 15.4 | 14.9 | 14.4 | 13.9 | 13.5 | 13.0 | 12.6 | 12.3 | 11.9 | 11.6 | 11.3 | 11.0 | 10.7 | 10.4 | 0.63 | 20 | 8008VS 11008VS 50 MESH WHITE |
| 18.3 | 17.6 | 16.9 | 16.3 | 15.8 | 15.2 | 14.8 | 14.3 | 13.9 | 13.5 | 13.1 | 12.7 | 12.4 | 12.0 | 11.7 | 11.4 | 0.69 | 30 | |
| 21.1 | 20.3 | 19.6 | 18.9 | 18.2 | 17.6 | 17.0 | 16.5 | 16.0 | 15.5 | 15.1 | 14.7 | 14.3 | 13.9 | 13.5 | 13.2 | 0.80 | 40 | |
| 23.6 | 22.7 | 21.9 | 21.1 | 20.3 | 19.7 | 19.0 | 18.4 | 17.9 | 17.4 | 16.9 | 16.4 | 15.9 | 15.5 | 15.1 | 14.8 | 0.89 | 50 | |
| 25.9 | 24.9 | 24.0 | 23.1 | 22.3 | 21.6 | 20.9 | 20.2 | 19.6 | 19.0 | 18.5 | 18.0 | 17.5 | 17.0 | 16.6 | 16.2 | 0.98 | 60 | |
| 18.7 | 17.9 | 17.3 | 16.7 | 16.1 | 15.6 | 15.1 | 14.6 | 14.1 | 13.7 | 13.3 | 13.0 | 12.6 | 12.3 | 12.0 | 11.7 | 0.71 | 20 | 8010SS 11010SS 50 MESH |
| 22.9 | 22.0 | 21.2 | 20.4 | 19.7 | 19.1 | 18.4 | 17.9 | 17.3 | 16.8 | 16.3 | 15.9 | 15.4 | 15.0 | 14.7 | 14.3 | 0.87 | 30 | |
| 26.4 | 25.4 | 24.4 | 23.6 | 22.8 | 22.0 | 21.3 | 20.6 | 20.0 | 19.4 | 18.9 | 18.3 | 17.8 | 17.4 | 16.9 | 16.5 | 1.00 | 40 | |
| 29.5 | 28.4 | 27.3 | 26.4 | 25.4 | 24.6 | 23.8 | 23.1 | 22.4 | 21.7 | 21.1 | 20.5 | 19.9 | 19.4 | 18.9 | 18.4 | 1.12 | 50 | |
| 32.3 | 31.1 | 29.9 | 28.9 | 27.9 | 27.0 | 26.1 | 25.3 | 24.5 | 23.8 | 23.1 | 22.5 | 21.9 | 21.3 | 20.7 | 20.2 | 1.23 | 60 | |
| 28.0 | 26.9 | 25.9 | 25.0 | 24.1 | 23.3 | 22.6 | 21.9 | 21.2 | 20.6 | 20.0 | 19.5 | 18.9 | 18.4 | 18.0 | 17.5 | 1.06 | 20 | 8015SS 11015SS 50 MESH |
| 34.3 | 33.0 | 31.8 | 30.6 | 29.6 | 28.6 | 27.7 | 26.8 | 26.0 | 25.2 | 24.5 | 23.8 | 23.2 | 22.6 | 22.0 | 21.4 | 1.30 | 30 | |
| 39.6 | 38.1 | 36.7 | 35.4 | 34.1 | 33.0 | 31.9 | 30.9 | 30.0 | 29.1 | 28.3 | 27.5 | 26.8 | 26.1 | 25.4 | 24.8 | 1.50 | 40 | |
| 44.3 | 42.6 | 41.0 | 39.5 | 38.2 | 36.9 | 35.7 | 34.6 | 33.5 | 32.6 | 31.6 | 30.7 | 29.9 | 29.1 | 28.4 | 27.7 | 1.68 | 50 | |
| 48.5 | 46.6 | 44.9 | 43.3 | 41.8 | 40.4 | 39.1 | 37.9 | 36.7 | 35.7 | 34.6 | 33.7 | 32.8 | 31.9 | 31.1 | 30.3 | 1.84 | 60 | |
| 37.3 | 35.9 | 34.6 | 33.3 | 32.2 | 31.1 | 30.1 | 29.2 | 28.3 | 27.4 | 26.7 | 25.9 | 25.2 | 24.6 | 23.9 | 23.3 | 1.41 | 20 | 8020SS 11020SS 50 MESH |
| 45.7 | 44.0 | 42.3 | 40.8 | 39.4 | 38.1 | 36.9 | 35.7 | 34.6 | 33.6 | 32.7 | 31.8 | 30.9 | 30.1 | 29.3 | 28.6 | 1.73 | 30 | |
| 52.8 | 50.8 | 48.9 | 47.1 | 45.5 | 44.0 | 42.6 | 41.3 | 40.0 | 38.8 | 37.7 | 36.7 | 35.7 | 34.7 | 33.8 | 33.0 | 2.00 | 40 | |
| 59.0 | 56.8 | 54.7 | 52.7 | 50.9 | 49.2 | 47.6 | 46.1 | 44.7 | 43.4 | 42.2 | 41.0 | 39.9 | 38.8 | 37.8 | 36.9 | 2.24 | 50 | |
| 64.7 | 62.2 | 59.9 | 57.7 | 55.7 | 53.9 | 52.1 | 50.5 | 49.0 | 47.5 | 46.2 | 44.9 | 43.7 | 42.5 | 41.4 | 40.4 | 2.45 | 60 | |