

XR 80° / 110° 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 | | | | | | | | | | | | | | | | | | | |
| XR8001VS XR1101VS 100 MESH ORANGE | 15 | 0.061 | 4.5 | 4.0 | 3.6 | 3.3 | 3.0 | 2.8 | 2.6 | 2.4 | 2.3 | 2.1 | 2.0 | 1.9 | 1.8 | 1.7 | 1.7 | 1.6 | 1.5 |
| | 20 | 0.071 | 5.3 | 4.7 | 4.2 | 3.8 | 3.5 | 3.2 | 3.0 | 2.8 | 2.6 | 2.5 | 2.3 | 2.2 | 2.1 | 2.0 | 1.9 | 1.8 | 1.8 |
| | 30 | 0.087 | 6.4 | 5.7 | 5.1 | 4.7 | 4.3 | 4.0 | 3.7 | 3.4 | 3.2 | 3.0 | 2.9 | 2.7 | 2.6 | 2.4 | 2.3 | 2.2 | 2.1 |
| | 40 | 0.100 | 7.4 | 6.6 | 5.9 | 5.4 | 5.0 | 4.6 | 4.2 | 4.0 | 3.7 | 3.5 | 3.3 | 3.1 | 3.0 | 2.8 | 2.7 | 2.6 | 2.5 |
| | 50 | 0.112 | 8.3 | 7.4 | 6.6 | 6.0 | 5.5 | 5.1 | 4.7 | 4.4 | 4.2 | 3.9 | 3.7 | 3.5 | 3.3 | 3.2 | 3.0 | 2.9 | 2.8 |
| 60 | 0.122 | 9.1 | 8.1 | 7.3 | 6.6 | 6.1 | 5.6 | 5.2 | 4.8 | 4.5 | 4.3 | 4.0 | 3.8 | 3.6 | 3.5 | 3.3 | 3.2 | 3.0 | |
| XR80015VS XR11015VS 100 MESH GREEN | 15 | 0.092 | 6.8 | 6.1 | 5.5 | 5.0 | 4.5 | 4.2 | 3.9 | 3.6 | 3.4 | 3.2 | 3.0 | 2.9 | 2.7 | 2.6 | 2.5 | 2.4 | 2.3 |
| | 20 | 0.106 | 7.9 | 7.0 | 6.3 | 5.7 | 5.3 | 4.8 | 4.5 | 4.2 | 3.9 | 3.7 | 3.5 | 3.3 | 3.2 | 3.0 | 2.9 | 2.7 | 2.6 |
| | 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 | 0.150 | 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 | |
| XR8002VS XR1102VS 50 MESH YELLOW | 15 | 0.122 | 9.1 | 8.1 | 7.3 | 6.6 | 6.1 | 5.6 | 5.2 | 4.8 | 4.5 | 4.3 | 4.0 | 3.8 | 3.6 | 3.5 | 3.3 | 3.2 | 3.0 |
| | 20 | 0.141 | 10.5 | 9.3 | 8.4 | 7.6 | 7.0 | 6.5 | 6.0 | 5.6 | 5.3 | 4.9 | 4.7 | 4.4 | 4.2 | 4.0 | 3.8 | 3.7 | 3.5 |
| | 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 | |
| XR80025VS XR11025VS 50 MESH PURPLE | 15 | 0.150 | 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 |
| | 20 | 0.180 | 13.4 | 11.9 | 10.7 | 9.7 | 8.9 | 8.2 | 7.6 | 7.1 | 6.7 | 6.3 | 5.9 | 5.6 | 5.3 | 5.1 | 4.9 | 4.6 | 4.5 |
| | 30 | 0.220 | 16.3 | 14.5 | 13.1 | 11.9 | 10.9 | 10.1 | 9.3 | 8.7 | 8.2 | 7.7 | 7.3 | 6.9 | 6.5 | 6.2 | 5.9 | 5.7 | 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 | 18.5 | 16.6 | 15.1 | 13.9 | 12.8 | 11.9 | 11.1 | 10.4 | 9.8 | 9.2 | 8.8 | 8.3 | 7.9 | 7.6 | 7.2 | 6.9 |
| 60 | 0.310 | 23.0 | 20.5 | 18.4 | 16.7 | 15.3 | 14.2 | 13.2 | 12.3 | 11.5 | 10.8 | 10.2 | 9.7 | 9.2 | 8.8 | 8.4 | 8.0 | 7.7 | |
| XR8003VS XR1103VS 50 MESH BLUE | 15 | 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 |
| | 20 | 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 |
| | 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 | |

XR 80° / 110° 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 | | |
| 1.5 | 1.4 | 1.3 | 1.3 | 1.3 | 1.2 | 1.2 | 1.1 | 1.1 | 1.1 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.9 | 0.061 | 15 | XR8001VS XR1101VS | |
| 1.7 | 1.6 | 1.6 | 1.5 | 1.4 | 1.4 | 1.4 | 1.3 | 1.3 | 1.2 | 1.2 | 1.2 | 1.1 | 1.1 | 1.1 | 1.1 | 0.071 | 20 | | |
| 2.1 | 2.0 | 1.9 | 1.8 | 1.8 | 1.7 | 1.7 | 1.6 | 1.6 | 1.5 | 1.5 | 1.4 | 1.4 | 1.4 | 1.3 | 1.3 | 0.087 | 30 | 100 MESH ORANGE | |
| 2.4 | 2.3 | 2.2 | 2.1 | 2.0 | 2.0 | 1.9 | 1.9 | 1.8 | 1.7 | 1.7 | 1.7 | 1.6 | 1.6 | 1.5 | 1.5 | 0.100 | 40 | | |
| 2.7 | 2.6 | 2.5 | 2.4 | 2.3 | 2.2 | 2.1 | 2.1 | 2.0 | 2.0 | 1.9 | 1.8 | 1.8 | 1.7 | 1.7 | 1.7 | 0.112 | 50 | | |
| 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 | 1.9 | 1.8 | 0.122 | 60 | | |
| 2.2 | 2.1 | 2.0 | 1.9 | 1.9 | 1.8 | 1.8 | 1.7 | 1.7 | 1.6 | 1.6 | 1.5 | 1.5 | 1.4 | 1.4 | 1.4 | 0.092 | 15 | XR80015VS XR11015VS | |
| 2.5 | 2.4 | 2.3 | 2.3 | 2.2 | 2.1 | 2.0 | 2.0 | 1.9 | 1.9 | 1.8 | 1.8 | 1.7 | 1.7 | 1.6 | 1.6 | 0.106 | 20 | | |
| 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 | 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 | | |
| 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 | 1.9 | 1.8 | 0.122 | 15 | XR8002VS XR1102VS | |
| 3.4 | 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 | 2.2 | 2.1 | 0.141 | 20 | | |
| 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 | 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 | | |
| 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 | 15 | XR80025VS XR11025VS | |
| 4.3 | 4.1 | 4.0 | 3.8 | 3.7 | 3.6 | 3.4 | 3.3 | 3.2 | 3.1 | 3.1 | 3.0 | 2.9 | 2.8 | 2.7 | 2.7 | 0.180 | 20 | | |
| 5.2 | 5.0 | 4.8 | 4.7 | 4.5 | 4.4 | 4.2 | 4.1 | 4.0 | 3.8 | 3.7 | 3.6 | 3.5 | 3.4 | 3.4 | 3.3 | 0.220 | 30 | 50 MESH PURPLE | |
| 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 | | |
| 6.7 | 6.4 | 6.2 | 5.9 | 5.7 | 5.5 | 5.4 | 5.2 | 5.0 | 4.9 | 4.8 | 4.6 | 4.5 | 4.4 | 4.3 | 4.2 | 0.280 | 50 | | |
| 7.4 | 7.1 | 6.8 | 6.6 | 6.3 | 6.1 | 5.9 | 5.8 | 5.6 | 5.4 | 5.3 | 5.1 | 5.0 | 4.8 | 4.7 | 4.6 | 0.310 | 60 | | |
| 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 | 15 | XR8003VS XR1103VS | |
| 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 | 20 | | |
| 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 | 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 | | |

XR 80° / 110° 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 |
|-----------------------|------------------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| XR8004VS XR1104VS | 15 | 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 |
| | 20 | 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 |
| | 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 MESH RED | 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 |
| | 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 |
| XR8005VS XR1105VS | 15 | 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 |
| | 20 | 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 |
| | 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 MESH BROWN | 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 |
| | 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 |
| XR8006VS XR1106VS | 15 | 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 |
| | 20 | 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 |
| | 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 MESH GRAY | 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 |
| | 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 |
| XR8008VS XR1108VS | 15 | 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 |
| | 20 | 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 |
| | 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 MESH WHITE | 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 |
| | 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 |
| XR8010SS XR11010SS | 15 | 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 |
| | 20 | 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 |
| | 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 MESH | 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 |
| | 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 |
| XR8015SS XR11015SS | 15 | 0.919 | 68.2 | 60.6 | 54.6 | 49.6 | 45.5 | 42.0 | 39.0 | 36.4 | 34.1 | 32.1 | 30.3 | 28.7 | 27.3 | 26.0 | 24.8 | 23.7 | 22.7 |
| | 20 | 1.061 | 78.8 | 70.0 | 63.0 | 57.3 | 52.5 | 48.5 | 45.0 | 42.0 | 39.4 | 37.1 | 35.0 | 33.2 | 31.5 | 30.0 | 28.6 | 27.4 | 26.3 |
| | 30 | 1.299 | 96.5 | 85.7 | 77.2 | 70.1 | 64.3 | 59.4 | 55.1 | 51.4 | 48.2 | 45.4 | 42.9 | 40.6 | 38.6 | 36.7 | 35.1 | 33.5 | 32.2 |
| | 40 | 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 |
| | 50 MESH | 50 | 1.677 | 124.5 | 110.7 | 99.6 | 90.6 | 83.0 | 76.6 | 71.2 | 66.4 | 62.3 | 58.6 | 55.3 | 52.4 | 49.8 | 47.4 | 45.3 | 43.3 |
| | 60 | 1.837 | 136.4 | 121.2 | 109.1 | 99.2 | 90.9 | 83.9 | 77.9 | 72.7 | 68.2 | 64.2 | 60.6 | 57.4 | 54.6 | 52.0 | 49.6 | 47.4 | 45.5 |

XR 80° / 110° 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 | |
|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|----|
| 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 | 15 |
| 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 | 20 |
| 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 |
| 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 |
| XR8004VS XR1104VS | | | | | | | | | | | | | | | | | |
| 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 | 15 |
| 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 | 20 |
| 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 |
| XR8005VS XR1105VS | | | | | | | | | | | | | | | | | |
| 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 | 15 |
| 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 | 20 |
| 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 |
| XR8006VS XR1106VS | | | | | | | | | | | | | | | | | |
| 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 | 15 |
| 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 | 20 |
| 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 |
| XR8008VS XR1108VS | | | | | | | | | | | | | | | | | |
| 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 | 15 |
| 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 | 20 |
| 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 |
| XR8010SS XR11010SS | | | | | | | | | | | | | | | | | |
| 21.8 | 21.0 | 20.2 | 19.5 | 18.8 | 18.2 | 17.6 | 17.1 | 16.5 | 16.0 | 15.6 | 15.2 | 14.7 | 14.4 | 14.0 | 13.6 | 0.919 | 15 |
| 25.2 | 24.2 | 23.3 | 22.5 | 21.7 | 21.0 | 20.3 | 19.7 | 19.1 | 18.5 | 18.0 | 17.5 | 17.0 | 16.6 | 16.2 | 15.8 | 1.061 | 20 |
| 30.9 | 29.7 | 28.6 | 27.6 | 26.6 | 25.7 | 24.9 | 24.1 | 23.4 | 22.7 | 22.0 | 21.4 | 20.9 | 20.3 | 19.8 | 19.3 | 1.299 | 30 |
| 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 | 40 |
| 39.8 | 38.3 | 36.9 | 35.6 | 34.4 | 33.2 | 32.1 | 31.1 | 30.2 | 29.3 | 28.5 | 27.7 | 26.9 | 26.2 | 25.5 | 24.9 | 1.677 | 50 |
| 43.6 | 42.0 | 40.4 | 39.0 | 37.6 | 36.4 | 35.2 | 34.1 | 33.1 | 32.1 | 31.2 | 30.3 | 29.5 | 28.7 | 28.0 | 27.3 | 1.837 | 60 |
| XR8015SS XR11015SS | | | | | | | | | | | | | | | | | |
| 50 MESH | | | | | | | | | | | | | | | | | |