

**LARGE TK FLOODJET 32" 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                     |    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| TKSS30<br>QCKSS30<br>YELLOW | 10 | 3.00  | 139.2 | 123.8 | 111.4 | 101.3 | 92.8  | 85.7  | 79.6  | 74.3  | 69.6  | 65.5  | 61.9  | 58.6  | 55.7  | 53.0  | 50.6  | 48.4  | 46.4  |
|                             | 20 | 4.24  | 196.8 | 174.9 | 157.4 | 143.1 | 131.2 | 121.1 | 112.4 | 104.9 | 98.4  | 92.6  | 87.5  | 82.8  | 78.7  | 75.0  | 71.6  | 68.4  | 65.6  |
|                             | 30 | 5.20  | 241.3 | 214.5 | 193.1 | 175.5 | 160.9 | 148.5 | 137.9 | 128.7 | 120.7 | 113.6 | 107.3 | 101.6 | 96.5  | 91.9  | 87.8  | 83.9  | 80.4  |
|                             | 40 | 6.00  | 278.4 | 247.5 | 222.8 | 202.5 | 185.6 | 171.3 | 159.1 | 148.5 | 139.2 | 131.0 | 123.8 | 117.2 | 111.4 | 106.1 | 101.3 | 96.8  | 92.8  |
| QCKSS40<br>RED              | 10 | 4.00  | 185.6 | 165.0 | 148.5 | 135.0 | 123.8 | 114.2 | 106.1 | 99.0  | 92.8  | 87.4  | 82.5  | 78.2  | 74.3  | 70.7  | 67.5  | 64.6  | 61.9  |
|                             | 20 | 5.66  | 262.7 | 233.5 | 210.1 | 191.0 | 175.1 | 161.6 | 150.1 | 140.1 | 131.3 | 123.6 | 116.7 | 110.6 | 105.1 | 100.1 | 95.5  | 91.4  | 87.6  |
|                             | 30 | 6.93  | 321.6 | 285.9 | 257.3 | 233.9 | 214.4 | 197.9 | 183.8 | 171.5 | 160.8 | 151.3 | 142.9 | 135.4 | 128.6 | 122.5 | 116.9 | 111.9 | 107.2 |
|                             | 40 | 8.00  | 371.3 | 330.0 | 297.0 | 270.0 | 247.5 | 228.5 | 212.1 | 198.0 | 185.6 | 174.7 | 165.0 | 156.3 | 148.5 | 141.4 | 135.0 | 129.1 | 123.8 |
| QCKSS50<br>GRAY             | 10 | 5.00  | 232.0 | 206.3 | 185.6 | 168.8 | 154.7 | 142.8 | 132.6 | 123.8 | 116.0 | 109.2 | 103.1 | 97.7  | 92.8  | 88.4  | 84.4  | 80.7  | 77.3  |
|                             | 20 | 7.07  | 328.1 | 291.6 | 262.5 | 238.6 | 218.7 | 201.9 | 187.5 | 175.0 | 164.0 | 154.4 | 145.8 | 138.1 | 131.2 | 125.0 | 119.3 | 114.1 | 109.4 |
|                             | 30 | 8.66  | 401.9 | 357.2 | 321.5 | 292.3 | 267.9 | 247.3 | 229.6 | 214.3 | 200.9 | 189.1 | 178.6 | 169.2 | 160.8 | 153.1 | 146.1 | 139.8 | 134.0 |
|                             | 40 | 10.00 | 464.1 | 412.5 | 371.3 | 337.5 | 309.4 | 285.6 | 265.2 | 247.5 | 232.0 | 218.4 | 206.3 | 195.4 | 185.6 | 176.8 | 168.8 | 161.4 | 154.7 |
| QCKSS60<br>BLUE             | 10 | 6.00  | 278.4 | 247.5 | 222.8 | 202.5 | 185.6 | 171.3 | 159.1 | 148.5 | 139.2 | 131.0 | 123.8 | 117.2 | 111.4 | 106.1 | 101.3 | 96.8  | 92.8  |
|                             | 20 | 8.49  | 394.0 | 350.2 | 315.2 | 286.5 | 262.7 | 242.5 | 225.1 | 210.1 | 197.0 | 185.4 | 175.1 | 165.9 | 157.6 | 150.1 | 143.3 | 137.0 | 131.3 |
|                             | 30 | 10.40 | 482.6 | 429.0 | 386.1 | 351.0 | 321.8 | 297.0 | 275.8 | 257.4 | 241.3 | 227.1 | 214.5 | 203.2 | 193.1 | 183.9 | 175.5 | 167.9 | 160.9 |
|                             | 40 | 12.00 | 556.9 | 495.0 | 445.5 | 405.0 | 371.3 | 342.7 | 318.2 | 297.0 | 278.4 | 262.1 | 247.5 | 234.5 | 222.8 | 212.1 | 202.5 | 193.7 | 185.6 |
| QCKSS80                     | 10 | 8.00  | 371.3 | 330.0 | 297.0 | 270.0 | 247.5 | 228.5 | 212.1 | 198.0 | 185.6 | 174.7 | 165.0 | 156.3 | 148.5 | 141.4 | 135.0 | 129.1 | 123.8 |
|                             | 20 | 11.30 | 524.4 | 466.1 | 419.5 | 381.4 | 349.6 | 322.7 | 299.7 | 279.7 | 262.2 | 246.8 | 233.1 | 220.8 | 209.8 | 199.8 | 190.7 | 182.4 | 174.8 |
|                             | 30 | 13.90 | 645.0 | 573.4 | 516.0 | 469.1 | 430.0 | 397.0 | 368.6 | 344.0 | 322.5 | 303.6 | 286.7 | 271.6 | 258.0 | 245.7 | 234.6 | 224.4 | 215.0 |
|                             | 40 | 16.00 | 742.5 | 660.0 | 594.0 | 540.0 | 495.0 | 456.9 | 424.3 | 396.0 | 371.3 | 349.4 | 330.0 | 312.6 | 297.0 | 282.9 | 270.0 | 258.3 | 247.5 |
| QCKSS100<br>LT BLUE         | 10 | 10.00 | 464.1 | 412.5 | 371.3 | 337.5 | 309.4 | 285.6 | 265.2 | 247.5 | 232.0 | 218.4 | 206.3 | 195.4 | 185.6 | 176.8 | 168.8 | 161.4 | 154.7 |
|                             | 20 | 14.10 | 654.3 | 581.6 | 523.5 | 475.9 | 436.2 | 402.7 | 373.9 | 349.0 | 327.2 | 307.9 | 290.8 | 275.5 | 261.7 | 249.3 | 237.9 | 227.6 | 218.1 |
|                             | 30 | 17.30 | 802.8 | 713.6 | 642.3 | 583.9 | 535.2 | 494.0 | 458.8 | 428.2 | 401.4 | 377.8 | 356.8 | 338.0 | 321.1 | 305.8 | 291.9 | 279.2 | 267.6 |
|                             | 40 | 20.00 | 928.1 | 825.0 | 742.5 | 675.0 | 618.8 | 571.2 | 530.4 | 495.0 | 464.1 | 436.8 | 412.5 | 390.8 | 371.3 | 353.6 | 337.5 | 322.8 | 309.4 |
| QCKSS120<br>ORANGE          | 10 | 12.00 | 556.9 | 495.0 | 445.5 | 405.0 | 371.3 | 342.7 | 318.2 | 297.0 | 278.4 | 262.1 | 247.5 | 234.5 | 222.8 | 212.1 | 202.5 | 193.7 | 185.6 |
|                             | 20 | 17.00 | 788.9 | 701.3 | 631.1 | 573.8 | 525.9 | 485.5 | 450.8 | 420.8 | 394.5 | 371.3 | 350.6 | 332.2 | 315.6 | 300.5 | 286.9 | 274.4 | 263.0 |
|                             | 30 | 20.80 | 965   | 858.0 | 772.2 | 702.0 | 643.5 | 594.0 | 551.6 | 514.8 | 482.6 | 454.2 | 429.0 | 406.4 | 386.1 | 367.7 | 351.0 | 335.7 | 321.8 |
|                             | 40 | 24.00 | 1114  | 990   | 891.0 | 810.0 | 742.5 | 685.4 | 636.4 | 594.0 | 556.9 | 524.1 | 495.0 | 468.9 | 445.5 | 424.3 | 405.0 | 387.4 | 371.3 |
| QCKSS150<br>BLACK           | 10 | 15.00 | 696.1 | 618.8 | 556.9 | 506.3 | 464.1 | 428.4 | 397.8 | 371.3 | 348.0 | 327.6 | 309.4 | 293.1 | 278.4 | 265.2 | 253.1 | 242.1 | 232.0 |
|                             | 20 | 21.20 | 984   | 874.5 | 787.1 | 715.5 | 655.9 | 605.4 | 562.2 | 524.7 | 491.9 | 463.0 | 437.3 | 414.2 | 393.5 | 374.8 | 357.8 | 342.2 | 327.9 |
|                             | 30 | 26.00 | 1207  | 1073  | 965   | 877.5 | 804.4 | 742.5 | 689.5 | 643.5 | 603.3 | 567.8 | 536.3 | 508.0 | 482.6 | 459.6 | 438.8 | 419.7 | 402.2 |
|                             | 40 | 30.00 | 1392  | 1238  | 1114  | 1013  | 928.1 | 856.7 | 795.5 | 742.5 | 696.1 | 655.1 | 618.8 | 586.2 | 556.9 | 530.4 | 506.3 | 484.2 | 464.1 |
| QCKSS180<br>GREEN           | 10 | 18.00 | 835.3 | 742.5 | 668.3 | 607.5 | 556.9 | 514.0 | 477.3 | 445.5 | 417.7 | 393.1 | 371.3 | 351.7 | 334.1 | 318.2 | 303.8 | 290.5 | 278.4 |
|                             | 20 | 25.50 | 1183  | 1052  | 947   | 860.6 | 788.9 | 728.2 | 676.2 | 631.1 | 591.7 | 556.9 | 525.9 | 498.3 | 473.3 | 450.8 | 430.3 | 411.6 | 394.5 |
|                             | 30 | 31.20 | 1448  | 1287  | 1158  | 1053  | 965   | 891.0 | 827.4 | 772.2 | 723.9 | 681.4 | 643.5 | 609.6 | 579.2 | 551.6 | 526.5 | 503.6 | 482.6 |
|                             | 40 | 36.00 | 1671  | 1485  | 1337  | 1215  | 1114  | 1028  | 955   | 891.0 | 835.3 | 786.2 | 742.5 | 703.4 | 668.3 | 636.4 | 607.5 | 581.1 | 556.9 |
| QCKSS210<br>PURPLE          | 10 | 21.00 | 975   | 866.3 | 779.6 | 708.8 | 649.7 | 599.7 | 556.9 | 519.8 | 487.3 | 458.6 | 433.1 | 410.3 | 389.8 | 371.3 | 354.4 | 339.0 | 324.8 |
|                             | 20 | 29.70 | 1378  | 1225  | 1103  | 1002  | 918.8 | 848.2 | 787.6 | 735.1 | 689.1 | 648.6 | 612.6 | 580.3 | 551.3 | 525.1 | 501.2 | 479.4 | 459.4 |
|                             | 30 | 36.40 | 1689  | 1502  | 1351  | 1229  | 1126  | 1040  | 965   | 900.9 | 844.6 | 794.9 | 750.8 | 711.2 | 675.7 | 643.5 | 614.3 | 587.5 | 563.1 |
|                             | 40 | 42.00 | 1949  | 1733  | 1559  | 1418  | 1299  | 1199  | 1114  | 1040  | 975   | 917.2 | 866.3 | 820.7 | 779.6 | 742.5 | 708.8 | 677.9 | 649.7 |

**LARGE TK FLOODJET 32" 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 |
| 44.6  | 42.8  | 41.3  | 39.8  | 38.4  | 37.1  | 35.9  | 34.8  | 33.8  | 32.8  | 31.8  | 30.9  | 30.1  | 29.3  | 28.6  | 27.8  | 3.00  | 10  |     |
| 63.0  | 60.5  | 58.3  | 56.2  | 54.3  | 52.5  | 50.8  | 49.2  | 47.7  | 46.3  | 45.0  | 43.7  | 42.5  | 41.4  | 40.4  | 39.4  | 4.24  | 20  |     |
| 77.2  | 74.3  | 71.5  | 68.9  | 66.6  | 64.4  | 62.3  | 60.3  | 58.5  | 56.8  | 55.2  | 53.6  | 52.2  | 50.8  | 49.5  | 48.3  | 5.20  | 30  |     |
| 89.1  | 85.7  | 82.5  | 79.6  | 76.8  | 74.3  | 71.9  | 69.6  | 67.5  | 65.5  | 63.6  | 61.9  | 60.2  | 58.6  | 57.1  | 55.7  | 6.00  | 40  |     |
| 59.4  | 57.1  | 55.0  | 53.0  | 51.2  | 49.5  | 47.9  | 46.4  | 45.0  | 43.7  | 42.4  | 41.3  | 40.1  | 39.1  | 38.1  | 37.1  | 4.00  | 10  |     |
| 84.1  | 80.8  | 77.8  | 75.0  | 72.5  | 70.0  | 67.8  | 65.7  | 63.7  | 61.8  | 60.0  | 58.4  | 56.8  | 55.3  | 53.9  | 52.5  | 5.66  | 20  |     |
| 102.9 | 99.0  | 95.3  | 91.9  | 88.7  | 85.8  | 83.0  | 80.4  | 78.0  | 75.7  | 73.5  | 71.5  | 69.5  | 67.7  | 66.0  | 64.3  | 6.93  | 30  |     |
| 118.8 | 114.2 | 110.0 | 106.1 | 102.4 | 99.0  | 95.8  | 92.8  | 90.0  | 87.4  | 84.9  | 82.5  | 80.3  | 78.2  | 76.2  | 74.3  | 8.00  | 40  |     |
| 74.3  | 71.4  | 68.8  | 66.3  | 64.0  | 61.9  | 59.9  | 58.0  | 56.3  | 54.6  | 53.0  | 51.6  | 50.2  | 48.8  | 47.6  | 46.4  | 5.00  | 10  |     |
| 105.0 | 101.0 | 97.2  | 93.7  | 90.5  | 87.5  | 84.7  | 82.0  | 79.5  | 77.2  | 75.0  | 72.9  | 70.9  | 69.1  | 67.3  | 65.6  | 7.07  | 20  |     |
| 128.6 | 123.7 | 119.1 | 114.8 | 110.9 | 107.2 | 103.7 | 100.5 | 97.4  | 94.6  | 91.9  | 89.3  | 86.9  | 84.6  | 82.4  | 80.4  | 8.66  | 30  |     |
| 148.5 | 142.8 | 137.5 | 132.6 | 128.0 | 123.8 | 119.8 | 116.0 | 112.5 | 109.2 | 106.1 | 103.1 | 100.3 | 97.7  | 95.2  | 92.8  | 10.00 | 40  |     |
| 89.1  | 85.7  | 82.5  | 79.6  | 76.8  | 74.3  | 71.9  | 69.6  | 67.5  | 65.5  | 63.6  | 61.9  | 60.2  | 58.6  | 57.1  | 55.7  | 6.00  | 10  |     |
| 126.1 | 121.2 | 116.7 | 112.6 | 108.7 | 105.1 | 101.7 | 98.5  | 95.5  | 92.7  | 90.1  | 87.6  | 85.2  | 82.9  | 80.8  | 78.8  | 8.49  | 20  |     |
| 154.4 | 148.5 | 143.0 | 137.9 | 133.1 | 128.7 | 124.5 | 120.7 | 117.0 | 113.6 | 110.3 | 107.3 | 104.4 | 101.6 | 99.0  | 96.5  | 10.40 | 30  |     |
| 178.2 | 171.3 | 165.0 | 159.1 | 153.6 | 148.5 | 143.7 | 139.2 | 135.0 | 131.0 | 127.3 | 123.8 | 120.4 | 117.2 | 114.2 | 111.4 | 12.00 | 40  |     |
| 118.8 | 114.2 | 110.0 | 106.1 | 102.4 | 99.0  | 95.8  | 92.8  | 90.0  | 87.4  | 84.9  | 82.5  | 80.3  | 78.2  | 76.2  | 74.3  | 8.00  | 10  |     |
| 167.8 | 161.4 | 155.4 | 149.8 | 144.7 | 139.8 | 135.3 | 131.1 | 127.1 | 123.4 | 119.9 | 116.5 | 113.4 | 110.4 | 107.6 | 104.9 | 11.30 | 20  |     |
| 206.4 | 198.5 | 191.1 | 184.3 | 177.9 | 172.0 | 166.5 | 161.3 | 156.4 | 151.8 | 147.4 | 143.3 | 139.5 | 135.8 | 132.3 | 129.0 | 13.90 | 30  |     |
| 237.6 | 228.5 | 220.0 | 212.1 | 204.8 | 198.0 | 191.6 | 185.6 | 180.0 | 174.7 | 169.7 | 165.0 | 160.5 | 156.3 | 152.3 | 148.5 | 16.00 | 40  |     |
| 148.5 | 142.8 | 137.5 | 132.6 | 128.0 | 123.8 | 119.8 | 116.0 | 112.5 | 109.2 | 106.1 | 103.1 | 100.3 | 97.7  | 95.2  | 92.8  | 10.00 | 10  |     |
| 209.4 | 201.3 | 193.9 | 187.0 | 180.5 | 174.5 | 168.9 | 163.6 | 158.6 | 154.0 | 149.6 | 145.4 | 141.5 | 137.8 | 134.2 | 130.9 | 14.10 | 20  |     |
| 256.9 | 247.0 | 237.9 | 229.4 | 221.5 | 214.1 | 207.2 | 200.7 | 194.6 | 188.9 | 183.5 | 178.4 | 173.6 | 169.0 | 164.7 | 160.6 | 17.30 | 30  |     |
| 297.0 | 285.6 | 275.0 | 265.2 | 256.0 | 247.5 | 239.5 | 232.0 | 225.0 | 218.4 | 212.1 | 206.3 | 200.7 | 195.4 | 190.4 | 185.6 | 20.00 | 40  |     |
| 178.2 | 171.3 | 165.0 | 159.1 | 153.6 | 148.5 | 143.7 | 139.2 | 135.0 | 131.0 | 127.3 | 123.8 | 120.4 | 117.2 | 114.2 | 111.4 | 12.00 | 10  |     |
| 252.5 | 242.7 | 233.8 | 225.4 | 217.6 | 210.4 | 203.6 | 197.2 | 191.3 | 185.6 | 180.3 | 175.3 | 170.6 | 166.1 | 161.8 | 157.8 | 17.00 | 20  |     |
| 308.9 | 297.0 | 286.0 | 275.8 | 266.3 | 257.4 | 249.1 | 241.3 | 234.0 | 227.1 | 220.6 | 214.5 | 208.7 | 203.2 | 198.0 | 193.1 | 20.80 | 30  |     |
| 356.4 | 342.7 | 330.0 | 318.2 | 307.2 | 297.0 | 287.4 | 278.4 | 270.0 | 262.1 | 254.6 | 247.5 | 240.8 | 234.5 | 228.5 | 222.8 | 24.00 | 40  |     |
| 222.8 | 214.2 | 206.3 | 198.9 | 192.0 | 185.6 | 179.6 | 174.0 | 168.8 | 163.8 | 159.1 | 154.7 | 150.5 | 146.5 | 142.8 | 139.2 | 15.00 | 10  |     |
| 314.8 | 302.7 | 291.5 | 281.1 | 271.4 | 262.4 | 253.9 | 246.0 | 238.5 | 231.5 | 224.9 | 218.6 | 212.7 | 207.1 | 201.8 | 196.8 | 21.20 | 20  |     |
| 386.1 | 371.3 | 357.5 | 344.7 | 332.8 | 321.8 | 311.4 | 301.6 | 292.5 | 283.9 | 275.8 | 268.1 | 260.9 | 254.0 | 247.5 | 241.3 | 26.00 | 30  |     |
| 445.5 | 428.4 | 412.5 | 397.8 | 384.1 | 371.3 | 359.3 | 348.0 | 337.5 | 327.6 | 318.2 | 309.4 | 301.0 | 293.1 | 285.6 | 278.4 | 30.00 | 40  |     |
| 267.3 | 257.0 | 247.5 | 238.7 | 230.4 | 222.8 | 215.6 | 208.8 | 202.5 | 196.5 | 190.9 | 185.6 | 180.6 | 175.9 | 171.3 | 167.1 | 18.00 | 10  |     |
| 378.7 | 364.1 | 350.6 | 338.1 | 326.4 | 315.6 | 305.4 | 295.8 | 286.9 | 278.4 | 270.5 | 263.0 | 255.9 | 249.1 | 242.7 | 236.7 | 25.50 | 20  |     |
| 463.3 | 445.5 | 429.0 | 413.7 | 399.4 | 386.1 | 373.6 | 362.0 | 351.0 | 340.7 | 330.9 | 321.8 | 313.1 | 304.8 | 297.0 | 289.6 | 31.20 | 30  |     |
| 534.6 | 514.0 | 495.0 | 477.3 | 460.9 | 445.5 | 431.1 | 417.7 | 405.0 | 393.1 | 381.9 | 371.3 | 361.2 | 351.7 | 342.7 | 334.1 | 36.00 | 40  |     |
| 311.9 | 299.9 | 288.8 | 278.4 | 268.8 | 259.9 | 251.5 | 243.6 | 236.3 | 229.3 | 222.8 | 216.6 | 210.7 | 205.2 | 199.9 | 194.9 | 21.00 | 10  |     |
| 441.0 | 424.1 | 408.4 | 393.8 | 380.2 | 367.5 | 355.7 | 344.6 | 334.1 | 324.3 | 315.0 | 306.3 | 298.0 | 290.2 | 282.7 | 275.7 | 29.70 | 20  |     |
| 540.5 | 519.8 | 500.5 | 482.6 | 466.0 | 450.5 | 435.9 | 422.3 | 409.5 | 397.5 | 386.1 | 375.4 | 365.2 | 355.6 | 346.5 | 337.8 | 36.40 | 30  |     |
| 623.7 | 599.7 | 577.5 | 556.9 | 537.7 | 519.8 | 503.0 | 487.3 | 472.5 | 458.6 | 445.5 | 433.1 | 421.4 | 410.3 | 399.8 | 389.8 | 42.00 | 40  |     |