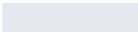
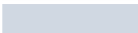


## Performance

| ART. NO.   | NOZZLE SIZE<br>IN US<br>GAL/MIN AT<br>40 PSI | NOZZLE ØD<br>MM | PRESSURE IN PSI / BAR |             |              |              |              |              |              |              |
|------------|----------------------------------------------|-----------------|-----------------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|
|            |                                              |                 | psi<br>2900           | psi<br>7250 | psi<br>10875 | psi<br>14500 | psi<br>21750 | psi<br>29000 | psi<br>36250 | psi<br>43500 |
|            |                                              |                 | bar<br>200            | bar<br>500  | bar<br>750   | bar<br>1000  | bar<br>1500  | bar<br>2000  | bar<br>2500  | bar<br>3000  |
|            |                                              |                 | FLOW RATE IN L/MIN    |             |              |              |              |              |              |              |
| 31223.0100 | 0002                                         | 0.10            | 0.064                 | 0.100       | 0.122        | 0.141        | 0.171        | 0.196        | 0.217        | 0.237        |
| 31223.0125 | 0003                                         | 0.125           | 0.100                 | 0.157       | 0.191        | 0.220        | 0.267        | 0.306        | 0.340        | 0.370        |
| 31223.0150 | 0004                                         | 0.15            | 0.143                 | 0.226       | 0.275        | 0.316        | 0.385        | 0.441        | 0.489        | 0.532        |
| 31223.0175 | 0006                                         | 0.175           | 0.195                 | 0.307       | 0.375        | 0.431        | 0.523        | 0.600        | 0.666        | 0.725        |
| 31223.0200 | 0008                                         | 0.20            | 0.255                 | 0.401       | 0.489        | 0.563        | 0.684        | 0.784        | 0.870        | 0.946        |
| 31223.0250 | 0012                                         | 0.25            | 0.399                 | 0.627       | 0.764        | 0.879        | 1.068        | 1.224        | 1.359        | 1.479        |
| 31223.0300 | 0018                                         | 0.30            | 0.574                 | 0.903       | 1.101        | 1.266        | 1.538        | 1.763        | 1.957        | 2.130        |
| 31223.0350 | 0025                                         | 0.35            | 0.804                 | 1.265       | 1.542        | 1.774        | 2.155        | 2.470        | 2.742        | 2.984        |
| 31223.0400 | 0032                                         | 0.40            | 1.050                 | 1.652       | 2.015        | 2.317        | 2.815        | 3.226        | 3.582        | 3.897        |
| 31223.0450 | 0041                                         | 0.45            | 1.329                 | 2.091       | 2.550        | 2.932        | 3.563        | 4.083        | 4.533        | 4.933        |
| 31223.0500 | 0050                                         | 0.50            | 1.641                 | 2.581       | 3.148        | 3.620        | 4.399        | 5.041        | 5.596        | 6.090        |
| 31223.0550 | 0061                                         | 0.55            | 1.986                 | 3.123       | 3.809        | 4.380        | 5.322        | 6.100        | 6.772        | 7.368        |
| 31223.0600 | 0073                                         | 0.60            | 2.363                 | 3.717       | 4.533        | 5.213        | 6.334        | 7.259        | 8.059        | 8.769        |
| 31223.0650 | 0085                                         | 0.65            | 2.773                 | 4.362       | 5.320        | 6.118        | 7.434        | 8.519        | 9.458        | 10.291       |
| 31223.0700 | 0099                                         | 0.70            | 3.217                 | 5.059       | 6.170        | 7.095        | 8.621        | 9.881        | 10.969       | 11.936       |
| 31223.0750 | 0114                                         | 0.75            | 3.692                 | 5.808       | 7.083        | 8.145        | 9.897        | 11.342       | 12.592       | 13.702       |
| 31223.0800 | 0131                                         | 0.80            | 4.261                 | 6.702       | 8.174        | 9.399        | 11.421       | 13.090       | 14.531       | 15.812       |
| 31223.0850 | 0148                                         | 0.85            | 4.810                 | 7.566       | 9.228        | 10.611       | 12.893       | 14.777       | 16.404       | 17.850       |
| 31223.0900 | 0166                                         | 0.90            | 5.393                 | 8.483       | 10.345       | 11.896       | 14.455       | 16.566       | 18.391       | 20.012       |
| 31223.0950 | 0187                                         | 0.95            | 6.094                 | 9.584       | 11.689       | 13.441       | 16.332       | 18.718       | 20.780       | 22.611       |
| 31223.1000 | 0213                                         | 1.00            | 6.939                 | 10.915      | 13.311       | 15.307       | 18.600       | 21.317       | 23.664       | 25.750       |
| 31223.1100 | 0258                                         | 1.10            | 8.397                 | 13.207      | 16.107       | 18.522       | 22.505       | 25.793       | 28.634       | 31.158       |
| 31223.1200 | 0307                                         | 1.20            | 9.993                 | 15.717      | 19.168       | 22.042       | 26.783       | 30.696       | 34.077       | 37.080       |
| 31223.1300 | 0361                                         | 1.30            | 11.728                | 18.446      | 22.496       | 25.869       | 31.433       | 36.025       | 39.993       | 43.518       |
| 31223.1400 | 0418                                         | 1.40            | 13.601                | 21.393      | 26.090       | 30.002       | 36.455       | 41.780       | 46.382       | 50.470       |
| 31223.1500 | 0480                                         | 1.50            | 15.614                | 24.558      | 29.950       | 34.441       | 41.849       | 47.962       | 53.245       | 57.938       |
| 31223.1600 | 0546                                         | 1.60            | 17.765                | 27.942      | 34.077       | 39.187       | 47.615       | 54.570       | 60.581       | 65.920       |
| 31223.1700 | 0617                                         | 1.70            | 20.055                | 31.544      | 38.470       | 44.238       | 53.753       | 61.605       | 68.390       | 74.418       |
| 31223.1800 | 0692                                         | 1.80            | 22.484                | 35.364      | 43.129       | 49.596       | 60.263       | 69.066       | 76.673       | 83.431       |
| 31223.1900 | 0771                                         | 1.90            | 25.051                | 39.402      | 48.054       | 55.259       | 67.144       | 76.953       | 85.428       | 92.958       |
| 31223.2000 | 0854                                         | 2.00            | 27.758                | 43.659      | 53.245       | 61.229       | 74.398       | 85.266       | 94.658       | 103.001      |
| 31223.2100 | 0941                                         | 2.10            | 30.603                | 48.134      | 58.703       | 67.505       | 82.024       | 94.006       | 104.360      | 113.558      |
| 31223.2200 | 1103                                         | 2.20            | 35.856                | 56.397      | 68.780       | 79.093       | 96.104       | 110.143      | 122.274      | 133.052      |
| 31223.2300 | 1205                                         | 2.30            | 39.190                | 61.641      | 75.175       | 86.447       | 105.040      | 120.384      | 133.643      | 145.422      |
| 31223.2400 | 1313                                         | 2.40            | 42.672                | 67.117      | 81.854       | 94.127       | 114.372      | 131.080      | 145.517      | 158.343      |
| 31223.2500 | 1424                                         | 2.50            | 46.302                | 72.827      | 88.817       | 102.135      | 124.102      | 142.230      | 157.896      | 171.813      |
| 31223.2600 | 1540                                         | 2.60            | 50.080                | 78.770      | 96.064       | 110.469      | 134.228      | 153.836      | 170.780      | 185.833      |
| 31223.2700 | 1661                                         | 2.70            | 54.007                | 84.945      | 103.596      | 119.130      | 144.752      | 165.898      | 184.170      | 200.402      |
| 31223.2800 | 1786                                         | 2.80            | 58.081                | 91.354      | 111.412      | 128.118      | 155.673      | 178.414      | 198.064      | 215.522      |
| 31223.2900 | 1917                                         | 2.90            | 62.304                | 97.996      | 119.512      | 137.432      | 166.991      | 191.385      | 212.465      | 231.191      |
| 31223.3000 | 2051                                         | 3.00            | 66.675                | 104.871     | 127.896      | 147.074      | 178.707      | 204.812      | 227.370      | 247.410      |

## Instructions

When manually operating high pressure guns and lances the repulsive force on the axis should not exceed 250N! If the repulsive force exceeds 150N, a support / body armour is required!

|                                                                                     |         |
|-------------------------------------------------------------------------------------|---------|
|  | < 150 N |
|  | < 250 N |
|  | > 250 N |