

## CS&P Technologies

### Power and Cold End Configuration

| Model              | Piston Dia Inches | Stroke, Inches | Maximum Discharge Pressure in PSI | Gallons per Revolution (3 Cylinders) |                |                |
|--------------------|-------------------|----------------|-----------------------------------|--------------------------------------|----------------|----------------|
|                    |                   |                |                                   | Theoretical                          | 90% Efficiency | 85% Efficiency |
| ICP-100<br>GMPD    | 1.000             | 0.905          | 15,000                            | 0.0092                               | 0.0083         | 0.0078         |
|                    | 1.125             |                | 12,000                            | 0.0117                               | 0.0105         | 0.0099         |
|                    | 1.250             |                | 10,000                            | 0.0144                               | 0.0130         | 0.0123         |
|                    | 1.625             |                | 6,000                             | 0.0244                               | 0.0219         | 0.0207         |
| ICP-200<br>SG      | 1.000             | 1.375          | 20,000                            | 0.0140                               | 0.0126         | 0.0119         |
|                    | 1.250             |                | 15,000                            | 0.0219                               | 0.0197         | 0.0186         |
|                    | 1.500             |                | 10,000                            | 0.0316                               | 0.0284         | 0.0268         |
|                    | 1.625             |                | 10,000                            | 0.0370                               | 0.0333         | 0.0315         |
|                    | 1.968 (50mm)      |                | 5,700                             | 0.0544                               | 0.0490         | 0.0463         |
| GUPD               | 2.375             | 1.3            | 4,750                             | 0.0791                               | 0.0712         | 0.0672         |
|                    | 1.000             |                | 20,000                            | 0.0133                               | 0.0119         | 0.0113         |
|                    | 1.125             |                | 20,000                            | 0.0168                               | 0.0151         | 0.0143         |
|                    | 1.250             |                | 17,000                            | 0.0207                               | 0.0186         | 0.0176         |
|                    | 1.625             |                | 10,000                            | 0.0350                               | 0.0315         | 0.0298         |
| ICP-400<br>LMPD    | 2.000             | 2.00           | 6,000                             | 0.0530                               | 0.0477         | 0.0451         |
|                    | 1.250             |                | 20,000                            | 0.0319                               | 0.0287         | 0.0271         |
|                    | 1.500             |                | 17,000                            | 0.0459                               | 0.0413         | 0.0390         |
|                    | 2.000             |                | 11,500                            | 0.0816                               | 0.0734         | 0.0694         |
|                    | 2.375             |                | 8,200                             | 0.1151                               | 0.1036         | 0.0978         |
|                    | 2.500             |                | 7,500                             | 0.1275                               | 0.1147         | 0.1084         |
| ICP-600<br>SL/SLS  | 2.875             | 2.250          | 5,600                             | 0.1686                               | 0.1518         | 0.1433         |
|                    | 2.000             |                | 18,000                            | 0.0918                               | 0.0826         | 0.0780         |
|                    | 2.21 (56mm)       |                | 15,000                            | 0.1115                               | 0.1003         | 0.0948         |
|                    | 2.52 (64 mm)      |                | 11,600                            | 0.1457                               | 0.1312         | 0.1239         |
|                    | 2.700             |                | 10,000                            | 0.1673                               | 0.1506         | 0.1422         |
|                    | 2.875             |                | 8,900                             | 0.1897                               | 0.1707         | 0.1612         |
| ICP-1000<br>SL/SLS | 3.250             | 2.25           | 7,000                             | 0.2424                               | 0.2182         | 0.2060         |
|                    | 2.000             |                | 18,000                            | 0.0918                               | 0.0826         | 0.0780         |
|                    | 2.21 (56 mm)      |                | 15,000                            | 0.1115                               | 0.1003         | 0.0948         |
|                    | 2.52 (64mm)       |                | 11,600                            | 0.1457                               | 0.1312         | 0.1239         |
|                    | 2.700             |                | 10,000                            | 0.1673                               | 0.1506         | 0.1422         |
|                    | 2.875             |                | 8,900                             | 0.1897                               | 0.1707         | 0.1612         |
| ICP-1500           | 3.250             | 2.00           | 7,000                             | 0.2424                               | 0.2182         | 0.2060         |
|                    | 2.700             |                | 10,000                            | 0.2748                               | 0.2231         | 0.2107         |
|                    | 2.875             |                | 8,900                             | 0.2810                               | 0.2529         | 0.2389         |
|                    | 3.187             |                | 7,250                             | 0.3453                               | 0.3108         | 0.2935         |
|                    | 3.250             |                | 7,000                             | 0.3591                               | 0.3232         | 0.3053         |

