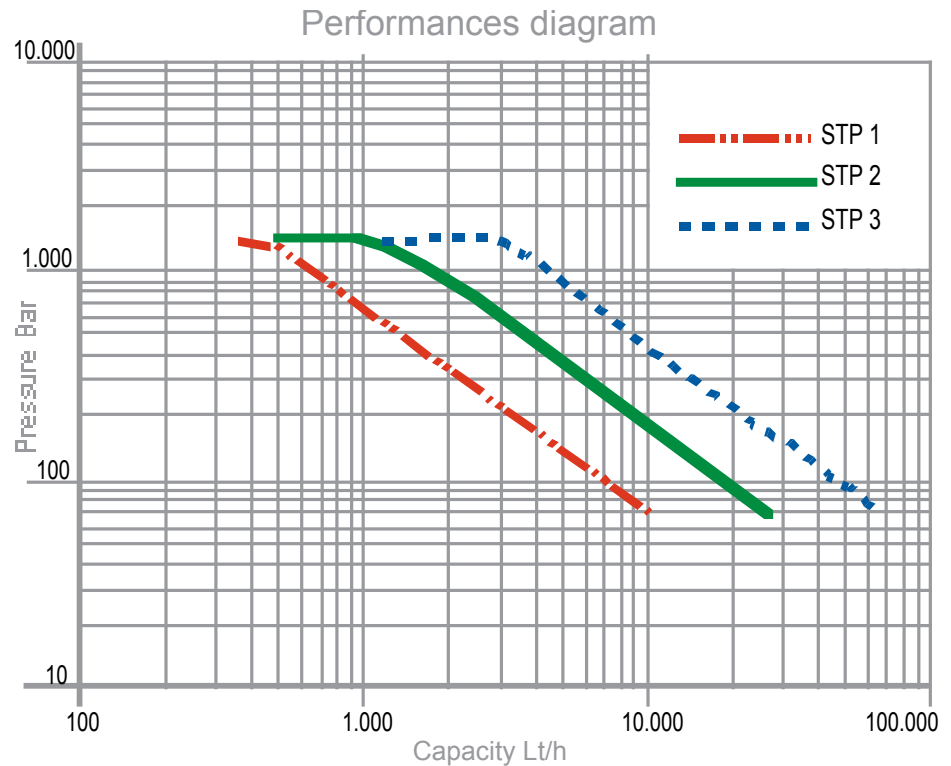


STP Series Performances



STP1 Type
Stroke 42 mm
Rod Thrust 1600 kg

| Plunger Diameter | Discharge Pressure | RPM | | | | | |
|--------------------------|--------------------|---------------|------|------|--------------------|-------|-------|
| | | 100 | 200 | 300 | API 674 400 max | 500 | 750 |
| mm | bar | Flow rate l/h | | | | | |
| 12 | 1400 | 73 | 146 | 219 | 329 | 365 | 548 |
| 14 | 1000 | 99 | 198 | 297 | 446 | 495 | 743 |
| 16 | 800 | 130 | 260 | 390 | 585 | 650 | 975 |
| 20 | 510 | 213 | 426 | 639 | 959 | 1065 | 1598 |
| 25 | 325 | 333 | 666 | 999 | 1499 | 1665 | 2494 |
| 30 | 225 | 480 | 960 | 1440 | 2160 | 2400 | 3600 |
| 35 | 166 | 669 | 1338 | 2007 | 3011 | 3345 | 5018 |
| 40 | 127 | 874 | 1748 | 2622 | 3933 | 4370 | 6555 |
| 45 | 100 | 110 | 2200 | 3300 | 4950 | 5500 | 8250 |
| 50 | 82 | 1365 | 2730 | 4095 | 6143 | 6825 | 10238 |
| 60 | 57 | 2030 | 4060 | 6090 | 9135 | 10150 | 15225 |
| 70 | 42 | 2763 | 5526 | 8289 | 12434 | 13815 | 20723 |
| Mean plunger speed m/sec | | 0,14 | 0,28 | 0,42 | 0,63 | 0,7 | 1,05 |
| Hydraulic power kW | | 3,1 | 6,2 | 9,3 | 9,3 | 15,5 | 23 |
| Absorbed power kW | | 3,65 | 7,3 | 11 | 11 | 18,2 | 27,1 |

STP Series Performances

| STP2 Type | | | | | | | |
|---------------------------|--------------------|---------------|-------|-------|-------|-----------------|-------|
| Stroke 75 mm | | | | | | | |
| Rod Thrust 3500 kg | | | | | | | |
| Plunger Diameter | Discharge Pressure | RPM | | | | | |
| | | 100 | 150 | 250 | 300 | API 674 400 max | 450 |
| mm | bar | Flow rate l/h | | | | | |
| 12 | 1600 | 130 | 195 | 324 | 389 | 519 | 584 |
| 14 | 1600 | 177 | 265 | 441 | 530 | 706 | 794 |
| 16 | 1600 | 231 | 346 | 577 | 692 | 922 | 1038 |
| 20 | 1100 | 360 | 540 | 901 | 1081 | 1441 | 1621 |
| 25 | 714 | 596 | 894 | 1490 | 1788 | 2384 | 2682 |
| 30 | 495 | 858 | 1288 | 2146 | 2575 | 3434 | 3863 |
| 35 | 363 | 1168 | 1753 | 2921 | 3505 | 4673 | 5258 |
| 40 | 278 | 1526 | 2289 | 3815 | 4578 | 6104 | 6867 |
| 45 | 220 | 1974 | 2961 | 4936 | 5923 | 7897 | 8884 |
| 50 | 178 | 2437 | 3656 | 6094 | 7312 | 9750 | 10968 |
| 60 | 123 | 3510 | 5265 | 8775 | 10530 | 14040 | 15795 |
| 70 | 91 | 4933 | 7400 | 12333 | 14799 | 19733 | 22199 |
| 80 | 70 | 6443 | 9665 | 16108 | 19330 | 25773 | 28995 |
| 90 | 55 | 8155 | 12232 | 20387 | 24464 | 32619 | 36696 |
| Mean plunger speed m/sec | | 0,25 | 0,375 | 0,625 | 0,75 | 1 | 1,125 |
| Hydraulic power kW | | 11,5 | 17,2 | 28,7 | 35,4 | 47,2 | 53 |
| Absorbed power kW | | 13 | 20 | 33 | 41 | 54 | 61 |

| STP3 Type | | | | | | | |
|---------------------------|--------------------|---------------|-------|-------|-----------------|-------|--|
| Stroke 105 mm | | | | | | | |
| Rod Thrust 6500 kg | | | | | | | |
| Plunger Diameter | Discharge Pressure | RPM | | | | | |
| | | 100 | 150 | 250 | API 674 350 max | 400 | |
| mm | bar | Flow rate l/h | | | | | |
| 16 | 1600 | 323 | 484 | 807 | 1130 | 1291 | |
| 20 | 1500 | 504 | 757 | 1261 | 1766 | 2018 | |
| 25 | 1200 | 788 | 1182 | 1970 | 2759 | 3153 | |
| 30 | 850 | 1202 | 1803 | 3004 | 4206 | 4807 | |
| 40 | 477 | 2136 | 3205 | 5341 | 7478 | 8546 | |
| 50 | 305 | 3338 | 5007 | 8346 | 11684 | 13353 | |
| 60 | 212 | 4807 | 7211 | 12018 | 16825 | 19228 | |
| 70 | 156 | 6543 | 9814 | 16357 | 22900 | 26172 | |
| 80 | 119 | 9021 | 13531 | 22551 | 31572 | 36082 | |
| 90 | 94 | 11417 | 17125 | 28542 | 39958 | 45667 | |
| 100 | 76 | 14095 | 21142 | 35237 | 49331 | 56379 | |
| 110 | 63 | 17234 | 25851 | 43085 | 60319 | 68936 | |
| 120 | 53 | 20510 | 30765 | 51275 | 71785 | 82040 | |
| Mean plunger speed m/sec | | 0,33 | 0,5 | 0,83 | 1,16 | 1,33 | |
| Hydraulic power kW | | 21,3 | 32 | 53,5 | 75 | 86 | |
| Absorbed power kW | | 23,6 | 35,5 | 60 | 85 | 97 | |