The VP1 Series – perfects your load sensing system!

The new VP1 generation – more reliable than ever before!

Variable flow is the wise choice for flexible functions and heavy duty applications, where speed and accuracy play an important role in overall productivity.

Parker’s variable pumps VP1-45, VP1-75 and VP1-120 have been used with great success for many years in mobile applications where several functions are used simultaneously. Now we take a step further and introduce the VP1-95 – the missing link that completes the range. Now there is a Parker variable displacement pump to suit every need.

High performance, big savings

The VP1 Series pumps are ideal for all load-sensing valve systems, regardless of make, and can easily be mounted directly on the truck PTO. In every instant, the pump supplies the hydraulic system with exactly the right amount of oil needed, improving performance and control. Heat losses are significantly reduced (eliminating the need for oil coolers), and thus also fuel consumption and exhaust emissions, contributing to lower costs and a better environment. A cool system is a smooth operator – less heat generated means less stress on the complete hydraulic system; resulting in less wear and lower costs!

Built to take the abuse of hard everyday use with a proven track record, now with even bigger safety margins – less down time means more money!

Unbeatable reliability!

Built to add the value of hard earned expertise with a proven track record, now even with bigger safety margins – true savings means more money!

Longer system service life!

Less wear generated means less stress on the complete system – resulting in less wear and lower costs!

Built for easy installation!

High efficiency results in a very high power-to-weight ratio and ultra-compact dimensions – with all connections directly on the truck PTO. In every instant, the pump supplies the hydraulic system with exactly the right amount of oil needed, improving performance and control. Heat losses are significantly reduced (eliminating the need for oil coolers), and thus also fuel consumption, exhaust emissions, contributing to lower costs and a better environment. A cool system is a smooth operator – less heat generated means less stress on the complete system – resulting in less wear and lower costs!

Unparalleled efficiency and precision increases productivity – while saving 20–50 % on fuel through reduced heat losses!

A smooth operator!

Precise operation for better ergonomics and low noise levels mean less operator fatigue and higher productivity!

Get more done – costing less!

Unparalleled efficiency and precision increases productivity – while saving 20–50 % on fuel through reduced heat losses!

The ultimate crane pump!

High efficiency results in a very high power-to-weight ratio and ultra-compact dimensions – with all connections directly on the truck PTO. In every instant, the pump supplies the hydraulic system with exactly the right amount of oil needed, improving performance and control. Heat losses are significantly reduced (eliminating the need for oil coolers), and thus also fuel consumption, exhaust emissions, contributing to lower costs and a better environment. A cool system is a smooth operator – less heat generated means less stress on the complete system – resulting in less wear and lower costs!

Performance under pressure!

Now even better performance – with added capability for tomorrow’s high pressure/ultra high performance applications!

A smart operator!

Precise operation for better ergonomics and low noise levels mean less operator fatigue and higher productivity!

Get more done – costing less!

Unparalleled efficiency and precision increases productivity – while saving 20–50 % on fuel through reduced heat losses!

The complete range:

VP1-45
Flow capacity: 0–45 l/min at 1,000 rpm

VP1-75
Flow capacity: 0–75 l/min at 1,000 rpm

VP1-120
Flow capacity: 0–120 l/min at 1,000 rpm

VP1-95
Flow capacity: 0–95 l/min at 1,000 rpm

VP1-series was designed to handle with ease.

The complete range:

VP1-45
Flow capacity: 0–45 l/min at 1,000 rpm

VP1-75
Flow capacity: 0–75 l/min at 1,000 rpm

VP1-120
Flow capacity: 0–120 l/min at 1,000 rpm

VP1-95
Flow capacity: 0–95 l/min at 1,000 rpm

The complete range:

VP1-45
Flow capacity: 0–45 l/min at 1,000 rpm

VP1-75
Flow capacity: 0–75 l/min at 1,000 rpm

VP1-120
Flow capacity: 0–120 l/min at 1,000 rpm

VP1-95
Flow capacity: 0–95 l/min at 1,000 rpm

VP1-series was designed to handle with ease.
Specifications – the VP1 Series

The new uprated VP1 series has been specially developed for demanding applications where many functions are used at the same time. High efficiency, high self-priming speed, low weight, small installation dimensions and high reliability are among its most important characteristics. The pumps are suitable for a number of mobile, marine and industrial applications and are available in four sizes. Together with the rest of the Parker product range, a well-balanced hydraulic system in which every component functions optimally can be achieved.

<table>
<thead>
<tr>
<th>Specifications</th>
<th>VP1-45</th>
<th>VP1-75</th>
<th>VP1-95</th>
<th>VP1-120</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. displacement (cm³/rev)</td>
<td>45</td>
<td>75</td>
<td>95</td>
<td>120</td>
</tr>
<tr>
<td>Max. pressure (bar)</td>
<td>intermittent</td>
<td>400</td>
<td>400</td>
<td>420</td>
</tr>
<tr>
<td>Self-priming speed (m/min)</td>
<td>2400*</td>
<td>2200**</td>
<td>1900**</td>
<td></td>
</tr>
<tr>
<td>Max. speed, unloaded pump (rev/min)</td>
<td>3000</td>
<td>2800</td>
<td>3000</td>
<td>2500</td>
</tr>
</tbody>
</table>

| Ordering numbers, right rotation (R) | 3780334 | 3780336 | 3786000 | 3783182 |
| Ordering numbers, left rotation (L)  | 3780335 | 3780337 | 3786001 | 3783183 |

VP1-95: The new variable truck pump

High pressure capability for modern cargo cranes

Variable displacement hydraulic pumps, Series VP1 – now in four sizes to cover every need

Get everything you need from one supplier – pumps, motors, valves, controls, connectors – you name it! That Parker is so much more than the sum of its parts – you get a unique level of support from the real pros. Take advantage of more than three decades of close co-operation with the truck industry – we know your business better than anyone, and we’re there for you!