Robust Efficiency
Flexible control for medium duty applications
Modular Open Centre hydraulic valves
P70CF / F130CF
High end performance, low end cost!
A well-proven modular design for optimised reliability

An Open Centre system is often the answer when the design objectives call for reliability and performance on a limited budget. But Open Centre systems need not be simple solutions. Simple as in uncomplicated - yes, simple as in unsophisticated - no! Years of refinement at Parker has resulted in an unbeatable Open Centre technology, offering many of the advantages of more complex and costly solutions at a significantly reduced cost. Compared to other Open Centre offerings, a Parker system will provide many advantages:

- Higher productivity through enhanced control & manoeuvrability
- Lower running and maintenance cost
- Modular design and flexible configuration cuts time-to-market
- Unmatched robustness & reliability
- Options and accessories for a wide range of applications

The Parker P-series and F-series Open Centre valves are ideally suited for basic and medium-duty applications, where simplicity, reliability, efficiency and vehicle cost are top priorities. They are primarily designed for use with fixed displacement pumps, and can be controlled manually, pneumatically, hydraulically or electro-hydraulically. This gives great flexibility in component location – an important factor where space is at a premium. All in all, a Parker Open Centre hydraulic system offers first rate performance at a fraction of the cost of more advanced systems - an ideal solution wherever the added refinement and advantages of a Load Sensing system are not needed.

The advanced design of Parker’s Open Centre valves offers outstanding performance, reliability and service life for a long range of applications. The P70CF and the F130CF are fully modular designs that can be specified to match any needs.

Parker’s Open Centre valves can be equipped with a large number of optional components and assemblies such as:

- Pump unloading with blocked pump channel for emergency stop
- Main pressure relief valve
- Port relief valves with anti-cavitation function
- Anti-cavitation valves
- Counter-pressure valve
- Application adapted spools
- Pressure compensated spools for better ergonomics and smoother manœuvring
- Load check valves
- Power beyond-feature
- For single or multi-pump operation
- For single or multi-valve operation

(Options vary for different valves)

Parker’s Open Centre systems offer high performance at a fraction of the cost of a Load Sensing system.

The P- and F-series Open Centre Valves

<table>
<thead>
<tr>
<th>Valve</th>
<th>Pump flow</th>
<th>Pressure</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>U/min</td>
<td>bar</td>
<td>Manual</td>
</tr>
<tr>
<td>P70CF</td>
<td>70</td>
<td>350</td>
<td>•</td>
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<tr>
<td>F130CF</td>
<td>110</td>
<td>350</td>
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Typical Applications:
- Mobile Cranes
- Fork Lift Trucks
- Drill Rigs
- Aircraft Handling
- Truck Cranes
- Refuse Vehicles
- Hook Loaders
- Small Wheel Loaders
- Forest Cranes