

Parker Worldwide

AE – UAE, Dubai
Tel: +971 4 8127100
parker.me@parker.com

AR – Argentina, Buenos Aires
Tel: +54 3327 44 4129

AT – Austria, Wiener Neustadt
Tel: +43 (0)2622 23501-0
parker.austria@parker.com

AT – Eastern Europe, Wiener Neustadt
Tel: +43 (0)2622 23501 900
parker.easteurope@parker.com

AU – Australia, Castle Hill
Tel: +61 (0)2-9634 7777

AZ – Azerbaijan, Baku
Tel: +994 50 2233 458
parker.azerbaijan@parker.com

BE/LU – Belgium, Nivelles
Tel: +32 (0)67 280 900
parker.belgium@parker.com

BR – Brazil, Cachoeirinha RS
Tel: +55 51 3470 9144

BY – Belarus, Minsk
Tel: +375 17 209 9399
parker.belarus@parker.com

CA – Canada, Milton, Ontario
Tel: +1 905 693 3000

CH – Switzerland, Etoy
Tel: +41 (0)21 821 87 00
parker.switzerland@parker.com

CL – Chile, Santiago
Tel: +56 2 623 1216

CN – China, Shanghai
Tel: +86 21 2899 5000

CZ – Czech Republic, Klecany
Tel: +420 284 083 111
parker.czechrepublic@parker.com

DE – Germany, Kaarst
Tel: +49 (0)2131 4016 0
parker.germany@parker.com

DK – Denmark, Ballerup
Tel: +45 43 56 04 00
parker.denmark@parker.com

ES – Spain, Madrid
Tel: +34 902 330 001
parker.spain@parker.com

FI – Finland, Vantaa
Tel: +358 (0)20 753 2500
parker.finland@parker.com

FR – France, Contamine s/Arve
Tel: +33 (0)4 50 25 80 25
parker.france@parker.com

GR – Greece, Athens
Tel: +30 210 933 6450
parker.greece@parker.com

HK – Hong Kong
Tel: +852 2428 8008

HU – Hungary, Budapest
Tel: +36 1 220 4155
parker.hungary@parker.com

IE – Ireland, Dublin
Tel: +353 (0)1 466 6370
parker.ireland@parker.com

IN – India, Mumbai
Tel: +91 22 6513 7081-85

IT – Italy, Corsico (MI)
Tel: +39 02 45 19 21
parker.italy@parker.com

JP – Japan, Fujisawa
Tel: +81 (0)4 6635 3050

KR – South Korea, Seoul
Tel: +82 2 559 0400

KZ – Kazakhstan, Almaty
Tel: +7 7272 505 800
parker.easteurope@parker.com

MX – Mexico, Apodaca
Tel: +52 81 8156 6000

MY – Malaysia, Shah Alam
Tel: +60 3 7849 0800

NL – The Netherlands, Oldenzaal
Tel: +31 (0)541 585 000
parker.nl@parker.com

NO – Norway, Asker
Tel: +47 66 75 34 00
parker.norway@parker.com

NZ – New Zealand, Mt Wellington
Tel: +64 9 574 1744

PL – Poland, Warsaw
Tel: +48 (0)22 573 24 00
parker.poland@parker.com

PT – Portugal, Leca da Palmeira
Tel: +351 22 999 7360
parker.portugal@parker.com

RO – Romania, Bucharest
Tel: +40 21 252 1382
parker.romania@parker.com

RU – Russia, Moscow
Tel: +7 495 645-2156
parker.russia@parker.com

SE – Sweden, Spånga
Tel: +46 (0)8 59 79 50 00
parker.sweden@parker.com

SG – Singapore
Tel: +65 6887 6300

SK – Slovakia, Banská Bystrica
Tel: +421 484 162 252
parker.slovakia@parker.com

SL – Slovenia, Novo Mesto
Tel: +386 7 337 6650
parker.slovenia@parker.com

TH – Thailand, Bangkok
Tel: +662 717 8140

TR – Turkey, Istanbul
Tel: +90 216 4997081
parker.turkey@parker.com

TW – Taiwan, Taipei
Tel: +886 2 2298 8987

UA – Ukraine, Kiev
Tel: +380 44 494 2731
parker.ukraine@parker.com

UK – United Kingdom, Warwick
Tel: +44 (0)1926 317 878
parker.uk@parker.com

US – USA, Cleveland (industrial)
Tel: +1 216 896 3000

US – USA, Lincolnshire (mobile)
Tel: +1 847 821 1500

VE – Venezuela, Caracas
Tel: +58 212 238 5422

ZA – South Africa, Kempton Park
Tel: +27 (0)11 961 0700
parker.southafrica@parker.com



aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



Robust Efficiency

Flexible control for medium duty applications
Modular Open Centre hydraulic valves
P70CF / F130CF



European Product Information Centre
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US Product Information Centre
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www.parker.com



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**

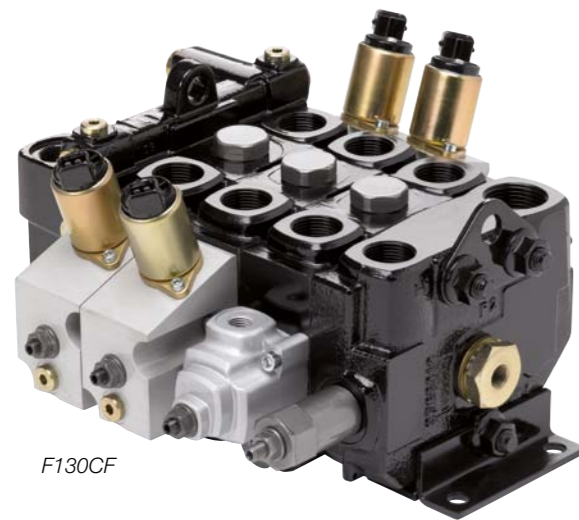
The Parker P-series and F-series Open Centre valves are ideally suited for basic and medium-duty applications, where simplicity, reliability, efficiency and vehicle cost are top priorities. They are primarily designed for use with fixed displacement pumps, and can be controlled manually, pneumatically, 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.

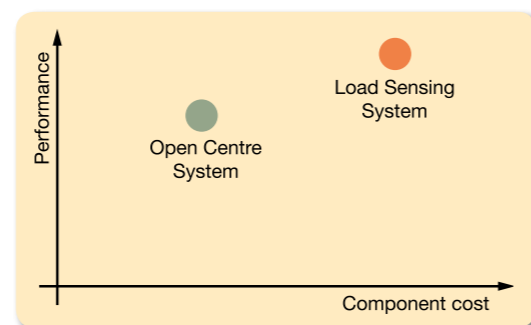
Up to
20 %
increase in
productivity



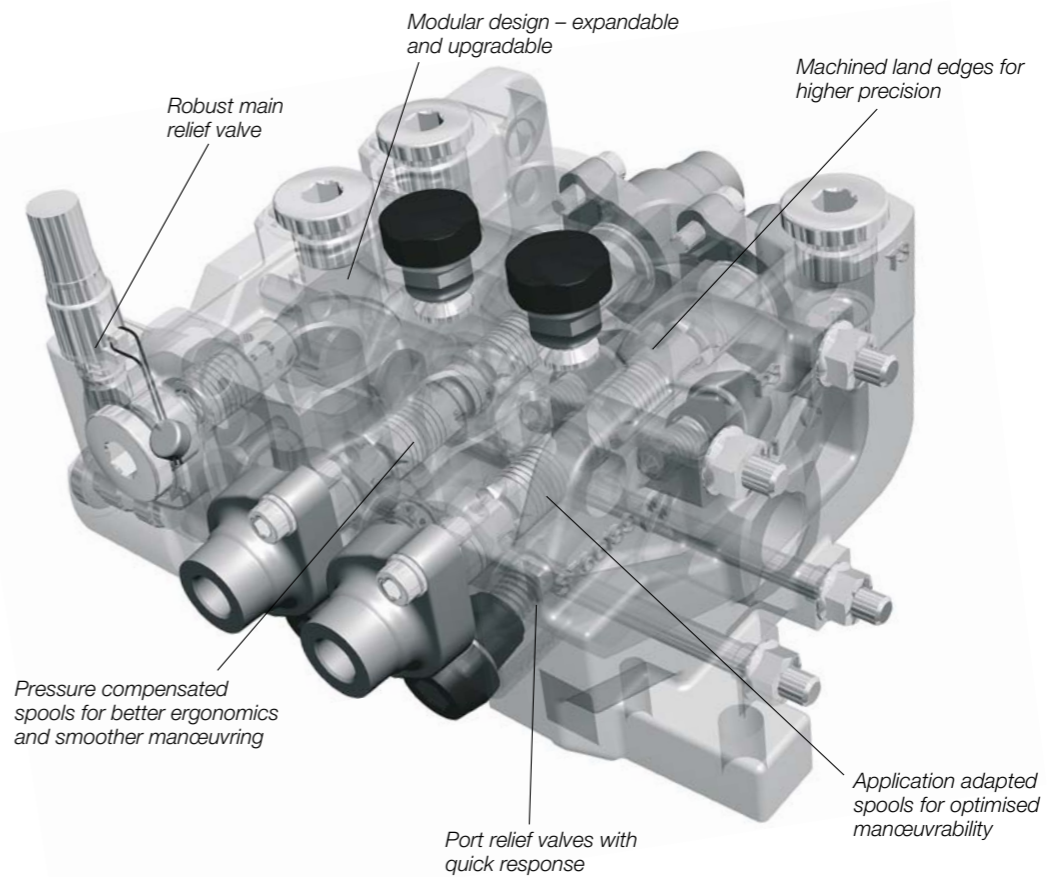
P70CF



F130CF



A Parker Open Centre system offers high performance at a fraction of the cost of a Load Sensing system.



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**
 - **Load check valves**
 - **Power beyond-feature**
 - **For single or multi-pump operation**
 - **For single or multi-valve operation**
- (Options vary for different valves)

The P- and F-series Open Centre Valves

| Valve | Pump flow l/min | Pressure bar | Operation | | | |
|--------|--------------------|-----------------|-----------|-----------|-----------|-------------------|
| | | | Manual | Pneumatic | Hydraulic | Electro-hydraulic |
| P70CF | 70 | 350 | • | • | • | • |
| F130CF | 110 | 350 | • | • | • | • |

Typical Applications:

- Mobile Cranes
- Fork Lift Trucks
- Drill Rigs
- Aircraft Handling
- Truck Cranes
- Refuse Vehicles
- Hook Loaders
- Small Wheel Loaders
- Forest Cranes

