

# Quality components are just the beginning

*With skilled back-up  
from our Mobile Systems Team  
your chances of winning  
will improve.*



**A**s you can see from this brochure, there is a Parker product – or several Parker products – to choose for mobile or stationary fan drive applications of all kinds. But choosing Parker as your supplier means more than just cost-saving one-stop shopping for quality components at competitive prices – you also get access to our vast experience in systems engineering.

### **Partners all the way**

Our Mobile Systems Team is ready to assist in developing and fine-tuning the hydraulic systems for your machines, on site or at our own dedicated Systems Engineering Centre. The team members

all have years of experience in advanced system design and will be your partners all the way, suggesting different system solutions until you are satisfied with the performance of your prototype machine.

By adding a highly qualified Parker systems engineer to your project team, you can utilize Parker components in a way that offers significantly improved systems performance – and hence a more competitive product – at a reduced total cost.

### **New state-of-the-art technology**

The Parker range of products is constantly evolving, reaching ever higher levels of performance, functionality, reliability and durability. We are always striving to develop the real life performance of our components even further, to meet and exceed future demands. This is just one of many ways in which we show our commitment to a truly **Premier Customer Service**.

### **Parker Hannifin Corporation**

Parker Hannifin is a leading global motion-control company, dedicated to delivering **Premier Customer Service**.

Parker is the only manufacturer to offer its customers a choice of hydraulic, pneumatic and electro-mechanical motion-control solutions.

Our company has the largest distribution network in its field, with over 7,500 distributors serving more than 400,000 customers world-wide.

### **Parker's charter:**

'To be a leading world-wide manufacturer of components and systems for the builders and users of durable goods'.

More specifically, we will design, market and manufacture products controlling motion, flow and pressure. We will achieve profitable growth through premier customer service.

### **Product groups**

Parker Hannifin develops and produces a multitude of components and products within its eight product groups: Aerospace, Automation, Climate & Industrial Controls, Filtration, Fluid Connectors, Hydraulics, Instrumentation and Seals.

The Hydraulics Group (Europe) consists of four divisions: the Cylinder Division, the Hydraulic Controls Division, the Integrated Systems Division and the Mobile Controls Division.

Our product range includes control systems, valves, pumps, motors and cylinders. Dedicated to meeting the needs of industry for more than 35 years, we have raised productivity and improved ergonomics by refining mobile hydraulic systems.

With a comprehensive network of sales offices and distributors world-wide, we are able to service your needs, from complete system applications to local service requirements.

**For further information, please contact:**



**Parker Hannifin**  
Hydraulics Group (Europe)  
Systems Engineering Centre  
SE-501 78 Borås, Sweden  
Tel. +46 33 700 52 00  
Fax +46 33 12 11 43  
www.parker.com

**Parker Hannifin Corporation**  
Mobile Systems Division  
595 Schelter Road  
Lincolnshire, IL 60069, USA  
Tel. +1 847 821 1500  
Fax +1 847 821 9597

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**Dedicated products  
and solutions for  
Fan Drive  
Systems**





# Dedicated Products and Solutions for Fan Drive Systems

## We have whatever you need!

Parker's wide product range means having the right components and complete systems for any type of fan drive application, from the simplest to the most complex. Some common applications are **Construction** (engine & hydraulic oil cooling), **Forestry** (engine & hydraulic oil cooling), **Commercial vehicles** (engine cooling, dust collection), **Drill rigs** (dust collection, hydraulic oil cooling) and **Military vehicles** (heat dissipation, hydraulic oil cooling). The advantages of using a dedicated Parker Fan Drive System are many:

- **Engines run cooler**
- **High reliability**
- **Saves energy**
- **High power to weight/size ratio**
- **Reduced noise level**
- **Space savings**
- **Assists in meeting Tier II engine standards**
- **Combine with generator or steering systems**



**From the simplest to the most sophisticated – Parker can provide the right components and systems for any fan drive application!**



### Gear Motors

Up to 5000 rpm, up to 275 bar

### Piston Motors

Fixed or variable  
Up to 12000 rpm, up to 480 bar

### Gear Pumps

500-3500 rpm, up to 275 bar

### Piston Pumps

Fixed or variable  
300-3000 rpm, up to 420 bar

### Vane Pumps

350-2700 rpm, up to 210 bar

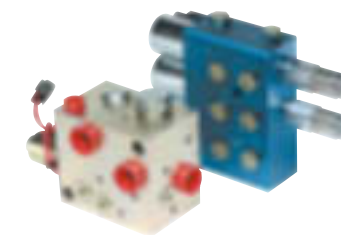


### Valves

On/Off  
Thermal cartridge valves  
Self-contained wax capsule or bi-metal element  
Proportional  
Thermo electronic  
Reversing options

### Hydraulic integrated circuits

Parker Hannifin has acquired the top names in the cartridge valve and manifold industry. This combined strength has placed Parker in a leadership position in the Fluid Power industry.



### Electronics and Sensors

Advanced controls realised with our IQAN system – software-based intelligent electronics, that can easily be updated in step with the development of the machine. Our IQAN components are built to withstand severe conditions in real world off-road applications.



### Added life

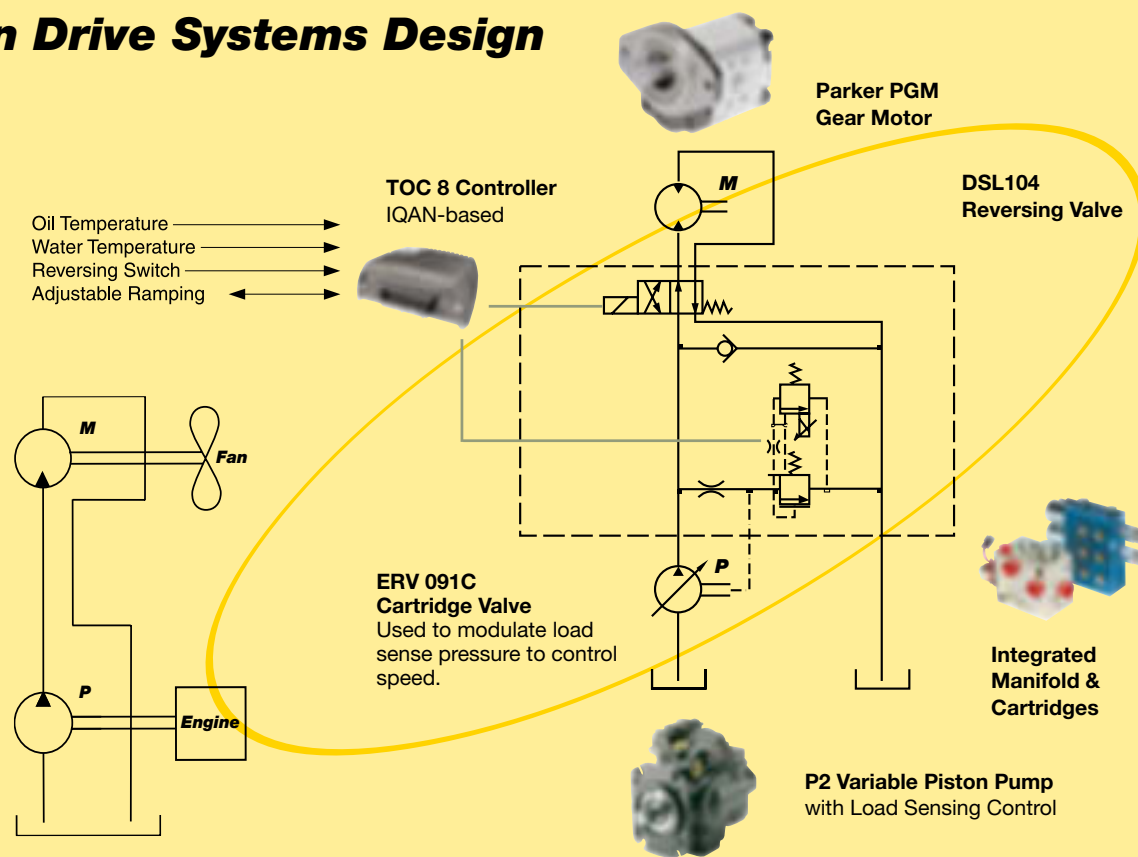
Parker filtration philosophy helps to add life-time and reliability to your machines. A wide range of filters covers all your needs.

### Tie it all together

The complete Parker line of hoses and fittings gives you a complete package for efficient and leak-free installations. Order your Parker components with the fittings!



## Fan Drive Systems Design



## Fan Drive Systems Information Request

### About you

Company Name \_\_\_\_\_ Contact \_\_\_\_\_

Address \_\_\_\_\_

Phone Fax \_\_\_\_\_

Email \_\_\_\_\_

Project Name \_\_\_\_\_

Application Description \_\_\_\_\_

### Prime Mover

- Electric Motor
- Engine
- Other

### Pump

Min. (Idle) Speed (rpm) \_\_\_\_\_

Max. Speed (rpm) \_\_\_\_\_

Rated Speed (rpm) \_\_\_\_\_

### Fan

Type \_\_\_\_\_

Weight, kg \_\_\_\_\_

Thrust \_\_\_\_\_

Diameter, mm \_\_\_\_\_

Calculated Input, kW \_\_\_\_\_

Speed at min. (rpm) \_\_\_\_\_

Speed at max. (rpm) \_\_\_\_\_

Speed at rated (rpm) \_\_\_\_\_

Ratio – fan speed to engine speed \_\_\_\_\_

### Controls

- Continuous
- On/Off
- Two Speed
- Proportional Thermal Control
- Electronic Control
- Soft start
- Reversing
- Other

### Comments:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

For further information, please fax this sheet: +46 33 12 11 43, attn.: Systems Engineering Centre

