

Precision Gearheads

Zenith's new line of precision planetary and right angle gear reducers draw upon a half-century of high precision gear manufacturing experience from the Zenith Division. Designed with the customer in mind, these gearheads feature high precision and high performance, without exaggeration, while providing world-class customer service. Zenith offers 3-business day shipping on all standard products and overnight delivery when circumstances are urgent. Zenith has a precision gear reducer to match any customer requirement. All gearheads are available in 60mm, 92mm, 115mm and 142mm frame sizes and in ratios from 3:1 to 100:1

PRECISION planetary in-line gearheads are ideally suited for applications requiring high speed and high torque combined with low backlash requirements. PRECISION series input speeds are rated to 10,000 rpm and are available with backlash less than 3 arc-minutes.



UTILITY planetary in-line gearheads offer an economical alternative to the PRECISION series. Standard shipping time on all Zenith gearheads is 3 business days.



VALUE planetary in-line gearheads represent great value in terms of price and performance. Available with backlash less than 12 arc-minutes and input speeds up to 6000 rpm, these gearheads are available in all frame sizes and ratios.



PRECISION hypoid right angle gearheads have the lowest backlash combined with the greatest torque in the industry. When precision is critical and space is limited this is the gearhead of choice.



Repair Services

Repairs – Zenith Pumps offers the broadest range of precision gear metering pumps and systems of any company in the world. To support our customer base, Zenith offers two first class service and repair facilities located in Aberdeen, NC and Ossett (UK). Any make of geared metering pump can be returned for inspection, repair, and be rebuilt to the original specifications that carry the same warranty as a brand new pump.



A Reputation Built on Quality

Since its founding in 1926, Zenith has been known for its ability to design and manufacture high quality and high precision geared metering pumps. The product line today includes other products that also have the same need for exacting precision and demanding durability. Zenith has a complete staff of design and application engineers that routinely customize its products to the specific needs of its customer. Zenith was one of the first companies to achieve the ISO 9001 certification and continues to maintain an ISO 9001 quality program at all manufacturing locations.

Parker Hannifin Corporation

Zenith Division
5910 Elwin Buchanan Drive
Sanford, NC 27330-9551 USA
Phone: 800-845-2063, 919-775-4600
Fax: 919-774-5952

E-mail: zenithpump@parker.com
zenithgearhead@parker.com,
www.zenithpumps.com, www.parkergearhead.co

Zenith®

Product Directory 2000



Fiber photo
to come

Metering Pumps

B-9000 Pump Systems — The B-9000 series pump systems are ideal for a wide variety of chemical metering applications. Constructed from 400 series stainless steel, this family of single stream pumps is ideal for mildly corrosive and/or abrasive fluids at process temperatures up to 700°F. The B-9000 metering pumps are rated to 1000 psi and flows to 18,000 cc/min.



H-9000 Pump Systems — The H-9000 series pump systems offer the same benefits as the B-9000 plus added protection against abrasion. Constructed of tool steel, the H-9000 metering pumps provides extra abrasion resistance and can be used at process temperatures up to 950°F.



C-9000 Pump Systems NEW — The C-9000 series were designed specifically for corrosive and/or non-lubricating fluids. Years of research, development and testing have resulted in the use of special corrosion resistant materials. The pump systems are rated for flow rates up to 1200 cc/min, temperatures up to 212°F, and pressures to 1000 psi.



C-9000 Mini System NEW — The Mini System features any 9000 series pump mounted on a compact system using Compumotor brand stepper motors and controllers. The drive and motor are CE and UL compliant ideal for European and other international markets.



Submersible Pump Systems — NEW. The submersible pump systems are ideal for metering high viscosity fluids. Submersing the pump directly into process fluids eliminates losses associated NPSHA and helps to prevent cavitation. Shaft sealing issues and pump heating problems are also eliminated.



B-Series Pump Systems — The B-Series pump systems remain the workhorse for chemical metering applications. Developed in 1925, these gear driven pumps are available in a variety of configurations resulting in ultimate system flexibility. These pump systems are capable of pressures to 3000 psi, temperatures to 300 OF and flows to 36,000 cc/min.



H-Series Pump Systems — Designed for high temperature and high viscosity service, the H-series pump systems are tough and wear resistant. Tool steel construction provides excellent wear resistance for metering slurries at pressures up to 4000 psi. These manifold mounted pumps are available in flow rates up to 27,000 cc/min and temperatures to 950 OF.



Magnetic Drive Pump Systems — NEW Leak-free pump systems designed for low viscosity fluids and high flow rates up to 5.7 gpm. Compact in size, these magnetic drive pump systems eliminate drive shaft seal leakage making them ideal for metering toxic or hazardous fluids.



PEP-II Pump Systems — Primarily designed for polymer extrusion applications, the PEP-II series pump systems were created to reduce energy consumption and improve product quality in film, sheet, profile and many other extruded polymer applications. Constructed from a variety of high quality tool steels, these through ported pumps are rated to 10,000 psi and flows to 10,000 lbs/hr.



Custom Pump/System Packages — Zenith has been designing and manufacturing customs pumps and systems since 1926. Extensive experience and application knowledge allow Zenith to provide complete packaged solutions from pumps to supply tanks. Save time and money by letting Zenith's experience work for you.



Planetary Pumps — Planetary metering pumps provide multiple output streams in a compact pump design. These pumps are ideal for fixed displacement applications requiring 2 or more outputs. This results in reduced cost and system size. The planetary series are constructed from a variety of high quality materials. The pumps are rated to 7250 psi, 650 OF and flows to 144 cc/min/port.



Spin Finish Pump Systems — The Spin Finish pump systems are generally used for applying finish solutions onto synthetic fibers and monofilaments. Designed for low viscosity, low pressure and low temperature applications, the Spin Finish pumps are available from 2 to 24 output streams.



Controls & Drives

ZeDrive 2000 Controller — The ZeDrive 2000 motor controller is used on all standard Zenith pump systems to enhance the accuracy of the Zenith metering pump. The NEMA 4 ZeDrive 2000 provides closed-loop accuracy up to 5 HP and includes features such as analog input/output capabilities, batch control, flow totalizer, RS-422 or RS-485 interface and many more.



ZVD AC Vector Drive — Zenith's AC Vector motor drive and controller can be used on all Zenith metering pump systems. The NEMA 12 ZVD unit provides closed-loop accuracy for motors from 1/8 HP to 5 HP and includes features such as analog input/output capabilities, batch control, RS-485 interface and many more.

