

Fluid Management Solutions



From
Tank to Turbine

- Centrifugal Pumps
- Positive Displacement Pumps
- Fuel Flowmeters
- Fuel Gauging Systems
- Pressure Sensing Products

Crane Aerospace & Electronics offers a variety of fluid management solutions, drawing on years of experience to precisely match our products to your specifications and preferences.

Count on the Crane Aerospace & Electronics team

Crane Aerospace & Electronics companies are known for their technical strength, proven product reliability, innovative solutions and overall value. Each company is ISO9001 or AS9100 certified and committed to Operational Excellence and world-class processes. From application engineering, through design and manufacturing, Crane Aerospace & Electronics offers a comprehensive approach to product specification, design certification and service. Lean manufacturing and strategic sourcing initiatives enable us to offer the standard or custom-designed solution you seek for your fluid application.

You can also count on Crane Aerospace & Electronics companies for in-service support. The worldwide extensive product support program is backed by a high caliber staff accustomed to the needs of the airline industry.

It's all part of the added value you can expect when you bring together an experienced team.



Product Lines



Positive Displacement Pumps: Lear Romec offers highest reliability aerospace positive displacement pumps in vane, gerotor and spur gear configurations. ETOPS rated gearbox mount vane element lube and scavenge pumps provide superior air/oil pumping capability. Gerotor oil pumps have a single shaft design with fewer parts and single or multi-element configurations. Spur gear pumps offer a lot of pump in a confined space with a shorter package and high pressure capability. Coolant pumps can include integral motor controller, reservoir, and valves to compliment any application.

Centrifugal Pumps:

Crane Aerospace & Electronics designs, manufactures and supports a wide variety of centrifugal pumps. Pad and motor driven designs for fuel, fuel boost, and jettison pumps are used on many General Aviation, business jet, commercial transport, and military aircraft applications. Major features include inverted flight capability, fully submerged operation, explosion proof electric motors, liquid seal priming element, and dry run capability. Additionally, our pump design can incorporate an A.C. motor, D.C. brush motor, D.C. brushless motor, 270 volt D.C. motor, or a hydraulic motor.



Fuel Flowmeters: As the pioneer of true mass motorless flowmeters, ELDEC provides a full line of flowmeters that measure the fuel flow rate for turbine engines directly in mass, not volume, for unmatched accuracy. You're assured exceptional reliability backed by over 25,000 units in service and an MTBF of 50,000 hours.



Fluid Level Systems: ELDEC Fuel Gauging Systems incorporate proven technology to continuously measure the amount of fuel in aircraft fuel tanks. The systems provide an indication of each tank's fuel quantity and give warnings when critical fuel levels are reached. ELDEC also offers oil and water level probes which may be straight or curved for various tank/reservoir geometries. The probes use capacitive, magnetic or thermal technology depending on the application. ELDEC Fluid Level Systems are designed to withstand tough aerospace environments, and are particularly suitable for composite aircraft in which the EMC environment is more severe..



Pressure Sensing Products: ELDEC high performance pressure sensors are ideal for demanding aerospace applications such as primary air data, turbine engine control or stall detection and actuator precision feedback. Fluids sensed can be air, oil, fuel, hydraulic, or combustion exhaust in absolute or wet-wet differential configuration. ELDEC pressure sensors incorporate Silicon-On-Sapphire technology for the very highest stability, repeatability, reliability and achievable accuracy. The sensors feature a modular design approach which can be packaged to meet your individual interface and connection requirements.



Crane Aerospace & Electronics www.craneae.com

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