



Power Team's commitment to quality is evident in everything we do, from raw material receipt to how we support our customers years after they purchase our products. Power Team is registered for ISO 9001 international quality standard.

ISO 9001 is the most stringent of five quality standards developed by ISO Technical Committee. The standard requires compliance with standards for management, administration, product development, and manufacturing. Registration verifies that Power Team has adopted and maintains documentation for processes ranging from suppliers to customers, inspection, handling, and training. ISO 9001 also requires periodic internal and external audits to ensure all aspects of work affecting quality control are monitored. This always has been, and will continue to be, our philosophy. That's our guarantee to you.

ASME B30.1

Power Team hydraulic cylinders fully comply with the criteria set forth in the American Society of Mechanical Engineers standard ASME B30.1:

1. Our cylinders are designed to have a minimum of a 2-to-1 safety factor on typical material yield strength;

and/or

2. Each cylinder design is A) operated through a minimum of 10 cycles of full travel at 110 percent of rated load, and B) pressurized three times at 150 percent of pressure with the cylinder extended to approximately 90 percent of full stroke, after which the cylinder must be functional at rated load for full stroke and free of leaks.

ASME B40.1

Power Team heavy-duty pressure gauges are designed in accordance with the recommendations set forth in the American Society of Mechanical Engineers standard ASME B40.1, Grade B.

CE MARK

Power Team is committed to designing, manufacturing, and marketing products that meet or exceed the needs of the customers we serve. Power Team supplies a Letter of Incorporation or a Declaration of Conformity and CE Marking for products that conform with European community directives.

IJ100

Power Team hoses meet the criteria set forth in the Material Handling Institute's specification #IJ100 for hydraulic hose. Under the procedures outlined in this standard, hydraulic hose shall:

1. Have an average minimum life of 30,000 cycles at full rated capacity.
2. Have a minimum burst pressure of at least twice the rated operating pressure.



Where specified, Power Team electric power pump assemblies meet the design, assembly, and test requirements of the Canadian Standards Association. **Note:** If CSA certification is required, it must be requested at the time the pump is ordered.

NEMA

Where specified, Power Team electric power pump assemblies meet the design, assembly, and test requirements of NEMA 12, a National Electrical Manufacturers' Association standard relating to electrical components used to resist moisture and dust.

Power Team Product Design Criteria

All Power Team brand hydraulic components are designed and/or tested to be safe for use at maximum operating pressures of 10,000 psi unless otherwise specifically noted.

Quality Assurance

All of our hydraulic cylinders are subjected to quality checks during production. The steel bar stock used to make each cylinder body are magnetic particle inspected by Power Team or eddy current tested at the steel mill. Then, before leaving the factory, all cylinders are pressure tested to 12,500 psi, except the RT series which are tested to 10,000 psi to insure on-the-job reliability. We have made every effort to include the latest specifications for our products in this catalog. Please call the Power Team factory for the most current product specifications. The Power Team Lifetime Marathon Warranty is described in more detail on the inside cover of this catalog.



Service Availability

A world-wide network of Authorized Service Centers assures prompt, local parts and service access to the owner of Power Team products.



Distributor Network

Power Team considers the industrial distributor as the vital link in factory-to-customer communications and product availability. As a marketing-oriented manufacturer, Power Team is constantly seeking out industry's needs for work-saving new products and regards the industrial distributor as an important member of Power Team. Our trained force of factory representatives is at the disposal of distributor and customer alike.