

### **PASS Process:**

- ❑ Plant walk-through to identify and quantify cost saving opportunities. (Initial visit is a walk-through preplanning evaluation of scope of work for the assessment.)
- ❑ Plant air system analysis and mapping, including static test and energy consumption history.
- ❑ Air quality analysis which measures temperatures, dew points, and contamination levels per ISO standards.
- ❑ Pressure, flow and power monitoring evaluation, including inappropriate uses of compressed air.
- ❑ Level one audit to further identify and quantify energy saving opportunities and rank them in order of significance. This is a multi-day, multi-person tech team approach, which includes:
  - ❑ Leak detection
  - ❑ Machine level re-engineering projects optimizing plant air consumption and productivity enhancements
- ❑ Detailed Cost/Benefit presentation with specific recommended action plans.
- ❑ Skilled application service team available to perform recommended actions (system modifications) at the customer's demand.
- ❑ Follow-up services provided to assure the customer maintains the gain, and proper maintenance is conducted. This is a process, not just a project.

### **PASS Benefits:**

- ❑ Significant energy (electricity) reduction as a result of reduction in compressed air consumption and system optimization. A potential payback (ROI) of weeks!
- ❑ Opportunity for local utility energy rebates **in addition to** actual savings realized from implementation of PASS Recommendations.
- ❑ Compressor room and machine level maintenance reductions resulting from system optimization, pressure reductions, lower compressor loads/run-time.
- ❑ Reducing air demand also reduces hazardous waste coming from the system through condensate drains.
- ❑ Increased machine productivity through re-engineering.
- ❑ Reduction in safety concerns.

### **What makes PASS different?**

- ❑ We go beyond just leak detection and focus on machine level design best practices to reduce air pressure, consumption, and improve safety, reliability, and through-put. This addresses **an additional 25% energy reduction opportunity!**
- ❑ We engage your plant staff to educate as we go, which advocates continuous improvement.
- ❑ Provide manpower to implement the recommended changes so customers can enjoy the benefits faster, without disrupting manpower assignments.
- ❑ [www.Servicereminder.com](http://www.Servicereminder.com) tool proactively reminds you, the customer, when maintenance is due.

Don't wait, call today to schedule your **PASS**port to energy savings!

Call 1-800-C-Parker for more information on the PASS Analysis.



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# **Parker Air Systems Solutions**

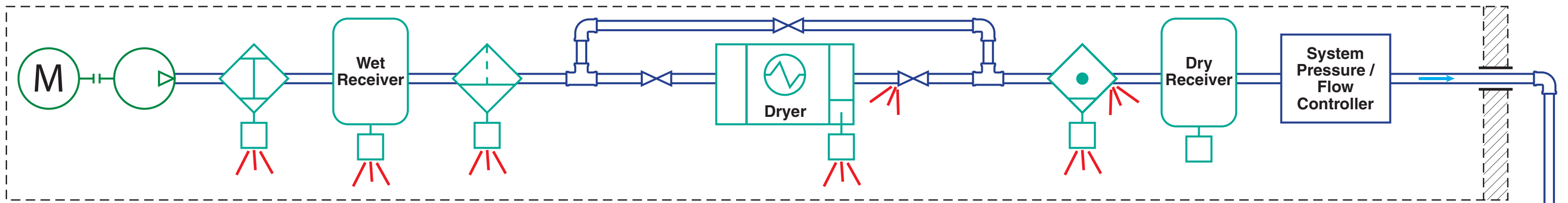


Industrial Distributor - Maintenance & Janitorial Supplies - Tools - Factory Supplies  
Material Handling Equipment - Safety Supplies - Abrasives & Cutting Tools - Hose  
Pipe - Valves - Fittings - Hoists & Chains - Fasteners - Absorbents & Spill Control

**“Don't let your air system energy savings PASS you by!”**

Parker Air Systems Solutions, the most comprehensive answer for managing your air system energy costs!





- Compressor**
- Operating conditions
  - Maintenance
  - Controls
  - Ambient Conditions
  - Heat Recovery
  - Monitoring

- Air Treatment**
- Aftercoolers
  - Receivers (wet and dry)
  - Particulate filters
  - Isolation valves
  - Complete analysis
  - Pressure drop
  - Coalescing (oil removal) filters
  - Dryers (type, sizing, function)
  - Condensate management

- Leaks**
- Complete system audit
  - Tag leaks

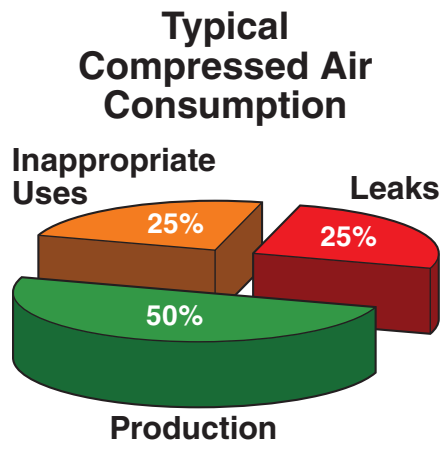
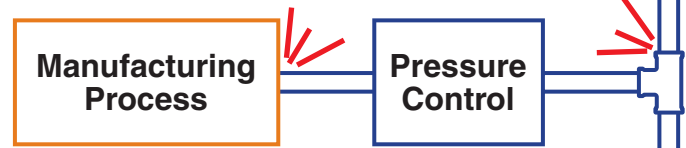
- Central Piping System Analysis**
- Layout
  - Identify problem areas
  - Optimize design
  - Isolation valves
  - Pressure down solutions

- System Operation**
- Complete analysis
  - Flow monitoring
  - Pressure monitoring
  - Air quality analysis
  - kW consumption
  - Static and dynamic test

- System Maintenance**
- Routine
  - Preventative
  - Training
  - Ongoing leak detection
  - PASS service available

**The Parker *PASS* Analysis**

Parker's unmatched expertise in BEST PRACTICE designs and applications from compressor room aftercooler and filtration technologies all the way through high performance machine automation.



**Does your air system *PASS*?**

- Pressure Drop**
- Sizing analysis
  - Operational analysis
  - All areas of the system

- Operation**
- Demand analysis
  - Additional capacity for peak demands

**Artificial demand due to higher than needed pressure**

- Point of Use**
- Piping design
  - Drip legs
  - Sizing
  - Air preparation
  - Pressure drop

- Machine Design**
- Analysis
  - Leaks
  - Sizing optimization
  - Re-engineering

- Inappropriate Uses of Compressed Air**
- Blow off (unregulated)
  - Personnel cooling
  - Atomization
  - Uncontrolled vacuum generation

