



Custom Equipment Profiles: Air Cooled Chillers for Hydraulic Systems



General Air Products chiller cooling a hydraulic system.

A recent customer approached General Air Products' engineering team with a unique hydraulic cooling application. Our customer observed that his hydraulics were getting so hot during a long-duration test cycle that heat given off was contaminating the results of their testing. We assured him that we could provide a chiller that would continuously dissipate all heat during these long test cycles, without adversely impacting the test results. And, with our extensive experience and the unique packaging of our chillers, General Air Products provided the customer with the ideal unit in regard to efficiency, cooling capability, cost and reliability.

Keeping your hydraulic system cool is critical for your equipment to run and test loads at optimum levels. Keeping your hydraulic system cool is critical to the engineering team at General Air Products, too. Our process cooling engineers have designed many standard and custom chillers for use in sensitive hydraulic system applications. An efficient and reliable chiller, designed to handle varying load conditions, is a necessity for your hydraulic equipment to perform efficiently.

Not only are our pump and tank packaged together, but our chillers also come with a tank-mounted evaporator*. The tank mounted evaporator reduces unit dimensions to make for a smaller footprint and more importantly, ensures a steady / controllable tight leaving fluid temperature range. As the chiller cycles, there is a consistent

temperature for the supply of cold water that will be circulated through the loop-in-loop exchange, removing heat from the process as well as returning large energy savings.



Exterior exhaust ventilation of General Air Products chiller.

Considering chillers are vital to the heat dissipation of your hydraulic system componentry, you should choose the chiller manufacturer who understands those demands. General Air Products has an experienced engineering team ready to supply you with the chiller that best fits your application. Contact us today.



Interior exhaust ventilation added to General Air Products chiller.

Several advantages to a tank mounted evaporator on our standard chiller:

- Tightest temperature control in industry (within 1 ½ °F)
- Energy savings due to less frequent cycling
- Small footprint
- Cycling design provides for immediate load matching capability

Call Toll Free 800-345-8207

**or e-mail: genairpro@generalairproducts.com
to contact our Team of Process Cooling Experts**