ArcticChill®

application**BULLETIN**

MILITARY and AEROSPACE

Background...

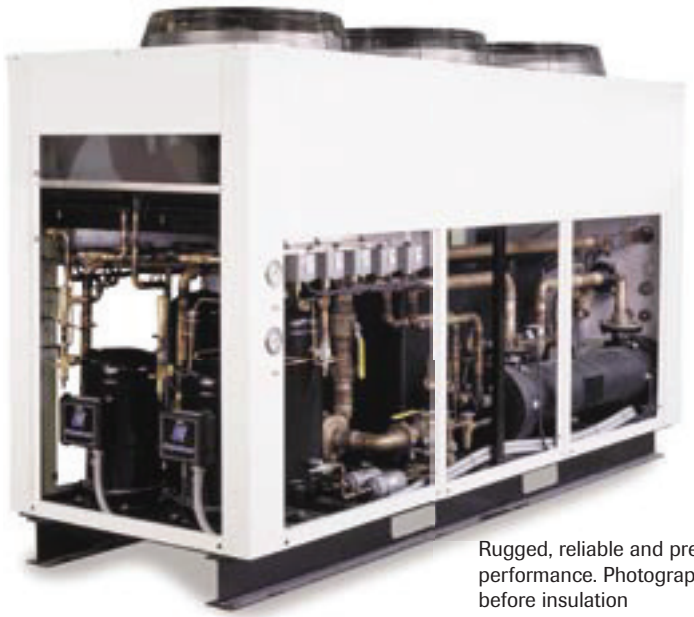
The US Navy required 14 custom chillers to cool the test stands for F16 Fighters deployed around the world. They must be extra rigid, reliable and secured for truck mounting and transport across various terrains, and operate in 120° ambient.

Solution...

ArcticChill engineered the right equipment and secured a multi-year contract. Extensive redundency, rugged welded frame, mechanical controls and high-ambient condensers are used.

Results...

Systems are successfully deployes around the world. F-16 hydraulics systems are precisely cooled for accurate testing.



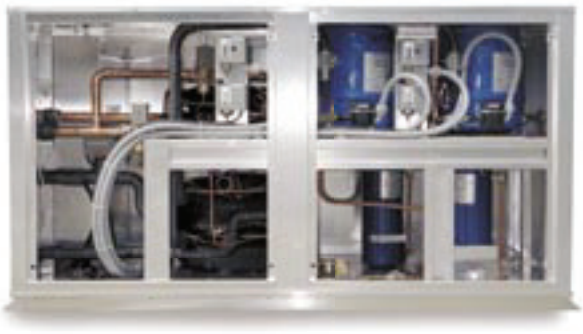
Rugged, reliable and precise performance. Photographed before insulation

KEY SOLUTION FEATURES

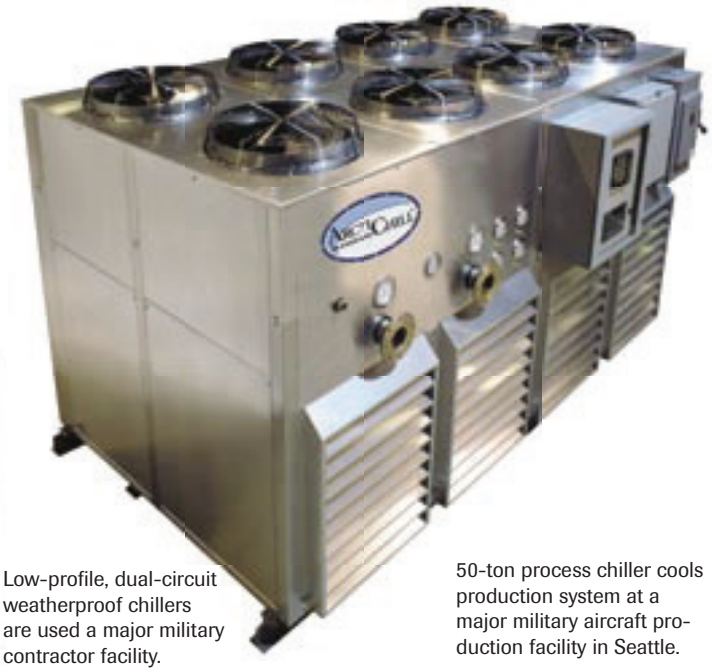
- Critical cooling of Fighter test stands, some in Combat situations.
- Two discrete refrigeration circuits, self contained tank and pumping
- Oversized condenser rated to deliver 100% capacity in a 120°F temp.
- Welded steel channel rails, structural cross members and uprights.
- Engineered to deliver precise control over flow, temp and pressure.
- Dual lead/lag pumps deliver high pressure coolant to test stant

Critical Duty, Custom Configuration

Military and Aerospace chillers are engineered to exacting standards and have levels of structural integrity, control and precise performance that is often out of reach for many commercial customers. However, our experience and attention to detail is extended to others in the Aerospace segment. From cooling fighter tests, to high energy photons to DI water cooling, and military equipment cooling, there is no better choice than ArctiChill.



Low-profile, dual-circuit weatherproof chillers are used a major military contractor facility.



50-ton process chiller cools production system at a major military aircraft production facility in Seattle.

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