



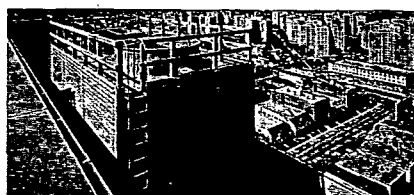
*Representatives in all major cities in
the U.S.A. and throughout the world.*

FLUOR COOLING TOWERS FOR SMALL, MEDIUM AND CENTRAL-STATION AIR-CONDITIONING AND REFRIGERATION APPLICATIONS

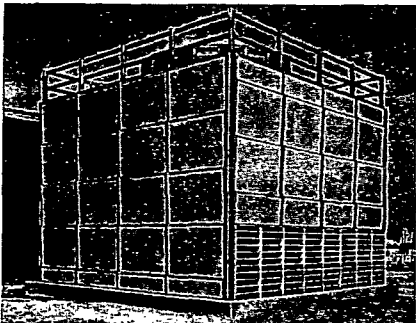
Fluor's modular construction for Counterflo or Crossflo cooling towers makes it possible to specify to your exact water-cooling requirements. Fluor engineers are available to service you during every phase of design and specification.



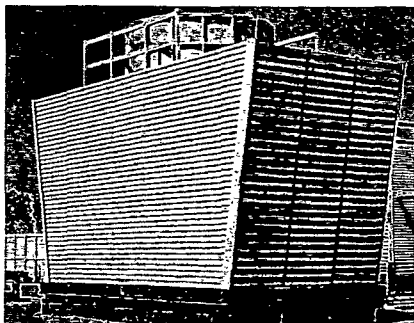
TYPE-20 CROSSFLO COOLING TOWERS: Induced draft, horizontal air flow units designed to meet low profile architectural requirements. Maximum height to top of fan stack is 8 feet. Capacity per cells range from 60 to 300 tons of refrigeration.



TYPE-30 COUNTERFLO COOLING TOWERS: Designed for central station air conditioning requirements and refrigeration service. A rugged line of cooling towers adaptable to practically any requirement. Choice of heavy duty wood or POLY-GRID fill.



TYPE-40 COUNTERFLO COOLING TOWERS: Custom rated and engineered for the most economical plan area and mechanical equipment arrangement for a given duty requirement. The 40 offers the greatest capacity per fan horsepower and per square foot of plan area of any cooling tower under 20-feet in height.



TYPE-50 CROSSFLO COOLING TOWERS: A horizontal air-flow tower designed for light to heavy commercial air conditioning. Basic structural design reflects Fluor's years of experience in large industrial tower design. Cooling Capacity to 1500 tons per cell.

FRAMING. Posts and bracing are prefabricated at the factory for assembly at the job site. Designed to transmit load stresses directly to the tower foundation, Fluor's prefabricated framing allows dismantling and re-assembly, providing for future expansion.

SHEATHING. Fluor sheathing is available in flat or corrugated cement asbestos, single or double-wall, ventilated Clear All Heart Redwood, stainless steel, aluminum, fiberglass polyester and for special application, PVC.

FILLING. Fluor offers splash and film-type cooling-tower fill, fabricated of Heart Redwood or Polypropylene POLY-GRID, a Fluor exclusive.

WATER DISTRIBUTION SYSTEMS. Crossflo utilizes the open type of system, consisting of two gravity-flow pans along opposite sides of the fan deck. Counterflo utilizes the closed system consisting of a redwood stave pipe header and redwood laterals with polymer water distributors.

FAN STACKS. Types 20 and 30 Cooling Towers are equipped with low-profile stacks, and Types 40 and 50 Cooling Towers with 4-foot Venturi-type stacks.

FAN AND DRIVE ASSEMBLY. Efficient design of fan and fan drive equipment assures maximum cooling with minimum noise and power consumption. Permanent alignment of mechanical equipment is maintained through specialized steel support assembly.

This mark takes the guesswork out of filter buying



MSA CERTIFIED

It appears on every M-S-A® Dustfoe® Filter we sell and answers two questions that filter buyers have puzzled over for years. One is, "What's the true efficiency of the filter you're selling?" The other is, "How do I know that each filter I buy is up to par?" No wonder, you may have received fuzzy answers to those questions in the past. Until MSA took the lead, no filter manufacturer adopted standard, authoritative tests, established certified quality minimums and individually tested each medium-interception filter. Our minimum standards for the Dustfoe Filter are shown below. They are fully described in bulletins we'd be glad to send to you. As to uniformity of the quality, MSA tests every Dustfoe Filter we make. If it meets, or better, the standards it's marked "MSA Certified" and shipped. If not, it's thrown out. The same high standards and certification of performance applies to MSA high and ultra-high interception filters: the new M-S-A Hospital Filter unit, the M-S-A Ultra Aire® and Ultra Aire Cylindrical Filter

for high pressure systems. None of our filters are cheap, even though all of them deliver long range economy in terms of high efficiency and long life. So we feel obligated to give you full value and back up our product with unqualified certification. We welcome your questions on any phase of fluid purification and will promptly send you full details and technical bulletins. Write Mine Safety Appliances Company, Pittsburgh, Pennsylvania 15208.



CERTIFIED PERFORMANCE M-S-A DUSTFOE FILTERS

Model	Maximum Penetration* %	Maximum ΔP at rated capacity Inch WG
M—1000 scfm	55	.25
M—2000 scfm	55	.50
B—1000 scfm	35	.35
B—2000 scfm	35	.60

*DOP Test (MIL-STD-282) measuring penetration of particles of 0.3 micron diameter.