

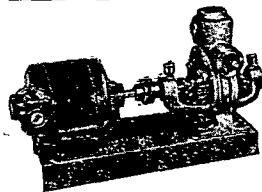


## Aurora Pump Company

Subsidiary of the New York Air Brake Company  
40 Loucks Street, Aurora (Chicago Suburb) Illinois

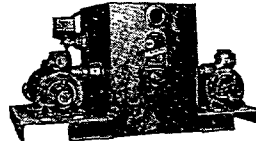


Manufacturers of  
Turbine-Type, Vertical and Horizontal Centrifugal and Special Design Pumps  
Distributors in Principal Cities



Apco Single Stage Turbine-Type Pumps. Also available in Two Stage.

Barring Unusual  
Conditions  
We  
MAINTAIN  
A COMPLETE  
STOCK  
FOR  
IMMEDIATE  
SHIPMENT



Packaged Duplex Condensation Return Unit with No. 4 Series Apco Pumps; designed for smaller jobs. LARGER UNITS up to 150 gpm capacity, horizontal and vertical also available.

APCO PUMPS are IDEALLY SUITED to MANY HEATING and AIR CONDITIONING DUTIES—CAPACITIES UP TO 150 GPM—HEADS TO 600 FT.

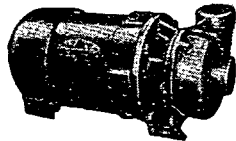
FEATURES—APCO pumps are distinguished for their ability to deliver small capacities against high heads; their ability to deliver with but slight change in capacity or efficiency against drastic head variations. They possess these advanced features—SIMPLE—WEAR-FREE—COMPACT—HIGH EFFICIENCY—WILL NOT VAPOR BIND • HYDRAULICALLY BALANCED • ACCESSIBILITY • HIGH SUCTION LIFT (28 ft at sea

level) • QUIET OPERATION • HIGH PRESSURE PER STAGE • DOUBLE SUCTION DESIGN • PRECISION SHAFTS • BALL BEARINGS (support on both sides of impeller) • RIGHT OR LEFT HAND OPERATION (Changeable in field without special parts) • REPLACEABLE COVER PLATES • AVAILABLE IN VARIOUS CORROSION RESISTANT ALLOYS.

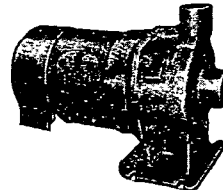
LOW  
HEAD •

SMALL CAPACITY—SIDE SUCTION PUMPS

MEDIUM  
HEAD



At Left  
TYPE—SAC—Close Coupled Caps 5 to 85 gpm.  
Heads to 45 Ft.  
Sizes Available 1/4", 1/2", 3/4"



At Right  
TYPE—JMC—Close Coupled Caps, 5 to 150 gpm.  
Heads to 100 Ft.  
Sizes Available 1", 1 1/4", 1 3/4", 2"

### APPLICATIONS

Well suited as integral part of manufacturer's product such as air conditioning units, cooling towers, evaporator coolers, hot water circulators etc., also for general service.

**CONSTRUCTION SPECIFICATIONS**  
Made in bronze fitted, all iron or all bronze construction.

**CASINGS**, vertically split—end suction. High grade material as specified. Casing wearing ring is standard on Type JMC.

**MECHANICAL SEAL** is standard on all sizes and is located in packing cover—easily replaceable.

**IMPELLER** is balanced, enclosed type of high grade bronze material.

**SHAFTS**—Stainless steel on Types JMC, SAC and JA. Can be furnished on Type SA at additional cost.

**MOTOR** Built to NEMA specifications and equipped with STAINLESS STEEL shaft.

**BALL BEARINGS**—Permanently sealed against dust and moisture—No lubrication required.

**AURORA CENTRIFUGAL PUMPS** are available in many types and sizes—all noted for their streamline co-ordination between impellers and shells.

Write for  
CONDENSED CATALOG "V"

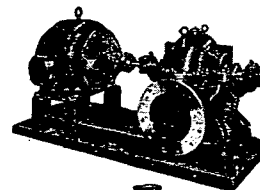
## Buffalo Pumps, Inc.

450 Broadway, Buffalo, N. Y.

Manufacturers of a complete line of Centrifugal Pumps, Single and Double Suction, Single and Multistage, for All Types of Heating and Air Conditioning Installations. Write For Engineering Bulletins on Your Problem or Consult Your Nearest Engineering Representative Listed Below:

### SALES REPRESENTATIVE LIST

ALBANY, N. Y., R. B. Taylor, 966 Broadway; ALBUQUERQUE, N. M., H. A. Munn, 730 Haines Ave., N. W.; ATLANTA, GA., J. J. O'Shea, 305 Techwood Dr.; BIRMINGHAM, ALA., J. H. Judd, Room 2226 Comer Bldg.; BOSTON, MASS., E. D. Johnson, 507 Main St., Melrose Station; CHICAGO 6, ILL., Trumbo, Johnson and Heckel, 20 N. Wacker Dr.; CINCINNATI 9, OHIO, J. W. Gibbs, 3047 Madison Rd.; CLEVELAND 13, OHIO, Sherman & Weager, 570 Hanna Bldg.; CORPUS CHRISTI, TEX., Langhammer Rummel Co., 101 North Alameda St.; DALLAS, TEX., T. H. Ansbacher, 615 Tower Petroleum Bldg.; DAVENPORT, IOWA, D. C. Murphy Co., 305 Security Bldg.; DENVER 17, COLO., Stearns-Roger Mfg. Co., 1718 California St.; DES MOINES 14, IOWA, D. C. Murphy Company, 840 Fifth Ave.; DETROIT 16, MICH., Coon-DeVisser Co., 2051 W. Lafayette Blvd.; EL PASO, TEX., Stearns-Roger Mfg. Co., P. O. Box 38; GREENVILLE, S. C., Roy A. Stupp, P. O. Box 1798, 104 E. Stone Ave.; HOUSTON 7, TEX., D. M. Robinson, 2436 South Blvd.; INDIANAPOLIS 4, IND., S. E. Fenstermaker & Co., 937 Architects & Builders' Bldg.; JACKSONVILLE, FLA., H. L. McMurphy Co., 25 Riverside Viaduct; KANSAS CITY 6, MO., W. K. Dyer, Post Office Bldg., Mission, Kansas; LITTLE ROCK, ARK., J. L. Brown, 212 Terminal Warehouse Bldg.; LOS ANGELES 13, CALIF., Halladay & Knauff, 604 Pershing Sq. Bldg.; LOUISVILLE 2, KY., H. M. Lutes, 633 So. Fifth St.; MEMPHIS 6, TENN., C. J. Gaskell Co., 216 N. Lauderdale Ave.; MIAMI 21, FLA., H. L. McMurphy & Co., 46 N. E. Sixth St.; MINNEAPOLIS 2, MINN., E. F. Bell, 2102 Foshay Tower; NEWARK 2, N. J., Johnson & Norman, 27 Washington St., Room 205; NEW ORLEANS 12, LA., Devlin Bros., 1003 Maritime Bldg.; NEW YORK 17, N. Y., Johnson & Norman, 41 E. 42nd St.; OMAHA 2, NEB., Wain Engineering Co., 2311 Douglas St.; PHILADELPHIA 2, PA., Davidson & Hunger, 220 S. 15th St.; PHOENIX, ARIZ., J. E. Redmond Supply Co., 525 W. Madison St.; PITTSBURGH 22, PENN., H. Lee Moore, 345 Fourth Ave.; PORTLAND, ME., Ruel E. Taylor, Jr. and Harold E. Ingalls, 25 Commercial St.; PORTLAND 5, ORE., Arthur Forsyth Co., 921 S. W. Oak St.; ROCHESTER, N. Y., R. D. Moyer, 432 Stearns-Roger Bldg.; ST. LOUIS 3, MO., J. W. Cooper, 3805 Washington St.; SALT LAKE CITY 1, UTAH, Stearns-Roger Mfg. Co., 40 Richards St.; SAN ANTONIO 6, TEX., Langhammer Rummel Co., 300 Blum St., P. O. Box 367; SAN FRANCISCO 3, CALIF., Richard Stites, 1214 Central Tower Bldg.; SEATTLE 99, WASH., A. T. Forsyth Co., 2800 15th Ave. West; SPOKANE 8, WASH., A. T. Forsyth Co., 501 Hyde Bldg.; TOLEDO 2, OHIO, C. M. Eyster Co., 1118 Madison Ave.; WASHINGTON 5, D. C., G. S. Frankel, 310 Woodward Bldg.



**SINGLE STAGE DOUBLE SUCTION PUMPS.** For clear water service from 10 to 10,000 gpm, and for heads up to 350 feet, these efficient pumps are widely used for air washers and other air conditioning units. Each pump is hydraulically balanced (water enters each side of impeller with equal pressure and volume), which contributes to the smooth operation and efficiency, as do simply formed water passages in the casing. BULLETIN 955-P.

**AUTOMATIC SUMP PUMPS.** Compact units, shipped complete, ready for quick installation. Ball bearing thrust carries weight of moving parts. Shaft is entirely enclosed—completely protected from sump water and from fouling with waste or stringy matter flowing into sump pit. All parts are readily accessible. BULLETIN 963-C.

**CLOSE-COUPLED SINGLE SUCTION PUMPS.** Extremely compact design permits installation vertically or horizontally. Available with either threaded or flanged connections. Suited to handling hot water with low submergence. Impeller overhung on motor shaft assures permanent alignment. BULLETIN 975-C.

**SINGLE SUCTION MULTISTAGE PUMPS.** For handling clear water at high pressures, any temperature, are widely used for boiler feed service. Available in two and four stage models for capacities from 20 gpm to 900 gpm at pressures up to 1500 ft heads. Write for BULLETIN 980-C.

