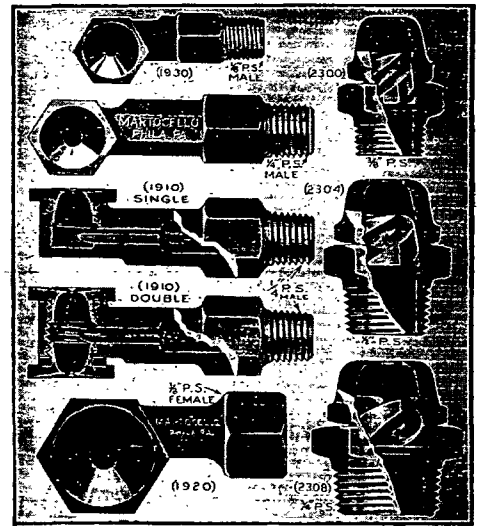
# Jos. A. Martocello & Company

229–31 North 13th Street, **Philadelphia, Pa.**

SPRAY POND AND ATOMIZING SPRAY NOZZLES




### MARTOCELLO

**Atomizing Spray Nozzles produce a uniform, good,** wide spray with less friction and at minimum pressure requirements.

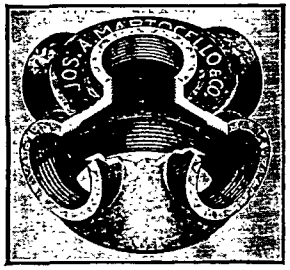
**Nozzles illustrated at the right** are manufactured with precision in Brass Forgings and Bar Stock. Their design has been thoroughly tested for results and durability and will give you satisfaction.

**Successful, Efficient Results** depend largely upon selecting the proper number and type of Nozzles with Brass or Monel cap suitable for your job. Therefore we suggest you send us your specifications as we also have several Types other than illustrated and we will gladly assist you to obtain the most efficient application.



### MARTOCELLO

**Spray Pond Nozzles of sturdy** one-piece construction—cast of High Grade Red Brass with Inlet and Outlet accurately machined, are less clogging, offer less friction and give unsurpassed overall efficiency.




### MARTOCELLO CLUSTER CASTINGS

**Sturdy Grey Iron Construction** with large area for reduced friction and even distribution. They are Hot Dipped Galvanized after fabrication.

Furnished with **Nozzles** and continuous Standard Steel **Long Sweep** Galvanized Pipe Spray Arms and **Center Nozzle** Nipple in accordance with layout required.

**Sizes Carried in stock for Prompt Shipment** 1½ in. P. S. Outlet, 3 in. P. S. Inlet and 2 in. P. S. Outlets, 4 in. P. S. Inlet Cluster Castings.

**WRITE, PHONE OR WIRE**

**For Bulletin listing Capacities and Prices. Prompt shipments from stock.**





# Monarch Manufacturing Works, Inc.

2509 E. Ontario St., **Philadelphia 34, Pa.**

SPRAY NOZZLES FOR WATER AND OIL

### NON-CLOG AIR WASHER NOZZLES

produce an exceptionally efficient, evenly distributed hollow cone spray. Single large tangential inlet to swirling chamber minimizes any possibility of clogging. Also available in ⅜ in. to 1 in. pipe sizes inclusive, and of Brass, Stainless and Monel.

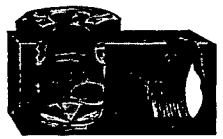


*Fig. 631*

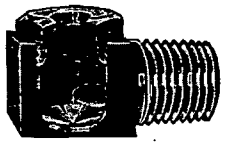


*Fig. 629*

**Capacities: Gallons per Hour**

| Sizes | | | Lbs. Operating Pressure | | | | | |
|---|---|---|---|---|---|---|---|---|
| Pipe | Orifice | Lead | 10 | 20 | 30 | 40 | 60 | 100 |
| | 69 | 69 | | | 2.9 | 3.3 | 4.0 | 5.1 |
| | 61 | 61 | | 4.0 | 5.0 | 5.5 | 7.0 | 8.7 |
| | 61 | 53 | 4.4 | 6.2 | 7.5 | 8.3 | 10.3 | 13.0 |
| | 53 | 53 | 5.8 | 8.2 | 9.8 | 10.9 | 14.1 | 17.3 |
| | 49 | 49 | 9.1 | 11.1 | 13.2 | 15.0 | 19.5 | 24.6 |
| | ½" | ½" | 11.8 | 16.6 | 20.4 | 23.4 | 29.0 | 36.5 |
| ¼" | ⅛" | ⅛" | 19.5 | 27.6 | 33.3 | 39.1 | 49.0 | 60.0 |
| | ⅛" | ⅛" | 24.3 | 34.6 | 42.8 | 50.0 | 64.0 | 78.5 |
| | ⅛" | ⅛" | 31.5 | 46.1 | 57.0 | 64.1 | 81.9 | 105 |
| | ¼" | ¼" | 52.2 | 75.0 | 92.5 | 109 | 138 | 189 |
| | ¼" | ¼" | 78.0 | 112 | 138 | 163 | 205 | 257 |
| | ½" | ½" | 82.0 | 121 | 152 | 180 | 225 | 300 |

### AIR CONDITIONING AND OIL BURNER NOZZLES

**Water Capacity in Gallons per Hour**



*Fig. F-80*

| Nozzle No. | Lb Operating Pressure | | | | |
|---|---|---|---|---|---|
| | 25 | 40 | 60 | 80 | 100 |
| 1.35 | | .57 | .69 | .83 | .92 |
| 1.65 | | .75 | .89 | .99 | 1.12 |
| 2.00 | | .94 | 1.14 | 1.28 | 1.40 |
| 2.50 | | 1.13 | 1.45 | 1.64 | 1.86 |
| 3.00 | 1.03 | 1.39 | 1.62 | 1.85 | 1.95 |
| 3.50 | 1.36 | 1.77 | 2.11 | 2.46 | 2.80 |
| 4.00 | 1.56 | 2.00 | 2.42 | 2.77 | 3.16 |
| 4.50 | 1.86 | 2.32 | 2.77 | 3.21 | 3.68 |
| 5.00 | 2.20 | 2.88 | 3.57 | 4.09 | 4.59 |
| 5.50 | 2.22 | 2.96 | 3.75 | 4.31 | 4.78 |
| 6.00 | 2.55 | 3.35 | 4.01 | 4.78 | 5.23 |
| 7.00 | 2.90 | 3.91 | 4.60 | 5.17 | 6.00 |

Produce finest breakup possible with direct pressure only. Capacities above are on water. "Nozzle No." is capacity on 34 second Saybolt viscosity oil at 100 lb pressure. Larger sizes up to Nozzle No. 60.00.

Furnished of all Brass for Water—Stainless Steel tip and disc for Oil. Standard with ⅛ in. or ¼ in. female pipe Brass adapter and Monel gauze strainer.

### SPRAY POND NOZZLES

For recooling condenser water, etc. Operate on pressures from 5 lb upward. Made of Cast Red Brass and in pipe sizes 1 in., 1½ in., 2 in., and 2½ in. Capacities from 4.1 to 88 gpm at 7 lb pressure.

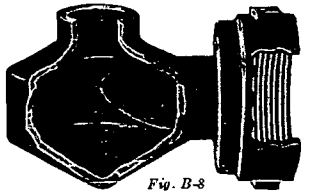


*Fig. B-8*

Write for Detailed Catalogs