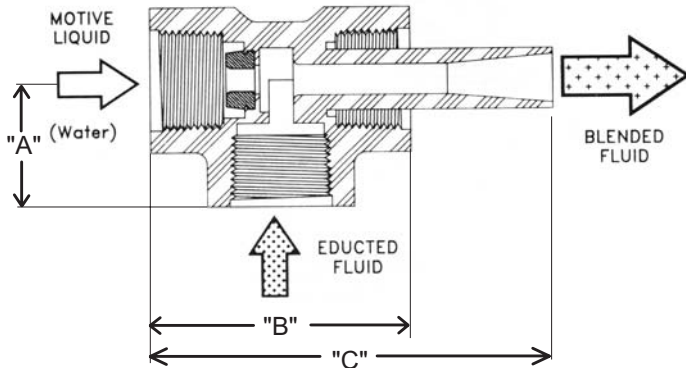


Fully automatic water jet eductor



- Flexible flow control orifice automatically maintains a constant liquid flow regardless of variations in inlet water pressure
- Corrosion resistant materials of construction: eductor body: schedule 80 polyvinylchloride; PVC Type 1, Grade 1; Flow control insert: precision molded buna (N)
- Wide operating pressure range: 30-120 PSIG; Maximum operating temperature: 100 degrees Fahrenheit
- Standard models available from stock; custom configurations available on request
- Other materials of construction available.

IMPORTANT APPLICATION NOTES: These eductors are designed for operation with water as the operating medium. All applications should be carefully tested for flow characteristics and compatibility of the motive liquid and educted chemicals to insure desired results. Swelling of the flow control insert in certain liquids will result in loss of flow rate accuracy.

| Model Number | Motive Water Flow Rate | Pipe Size (NPT) | Dimensions (Inches) | | |
|--|--|-----------------|---------------------|------|------|
| | | | "A" | "B" | "C" |
| 0.9 - 050 1.2 - 050 1.4 - 050 2.0 - 050 | 0.9 GPM 1.2 GPM 1.4 GPM 2.0 GPM | 1/2" | 1.35 | 2.74 | -- |
| 2.5 - 075 3.5 - 075 5.0 - 075 | 2.5 GPM 3.5 GPM 5.0 GPM | 3/4" | 1.62 | 3.22 | 4.40 |
| 7 - 100 10 - 100 | 7 GPM 10 GPM | 1" | 1.85 | 3.64 | 5.45 |
| 12 - 150 15 - 150 20 - 150 | 12 GPM 15 GPM 20 GPM | 1-1/2" | 2.09 | 4.16 | 6.05 |

NOTES: Data based on: 1) Motive water flow rate +/- 10 percent @ 30-120 PSIG and 60 degrees F. 2) Motive liquid: Educted liquid = 1:1 with educted fluids similar to water (e.g. Sp.Gr = 1.0 and viscosity = 1.0 Centipoise @ 60 degrees F.) 3) Suction lift = 4.0 Ft and discharge head = 0 Ft.

Typical Water Softener Applications

| Tank Dia. | Area Sq. Ft. | Resin Volume, Cu. Ft. | | Eductor Model No: | Rinse GPM |
|-----------|--------------|-----------------------|--------------------|-------------------|-----------|
| | | Min. ¹⁾ | Max. ²⁾ | | |
| 12 | 0.8 | 1.6 | 3.1 | 0.9-050 | 0.9 |
| 14 | 1.1 | 2.1 | 4.3 | 1.2-050 | 1.2 |
| 16 | 1.4 | 2.8 | 5.6 | 1.4-050 | 1.4 |
| 18 | 1.8 | 3.5 | 7.1 | 2.0-050 | 2.0 |
| 20 | 2.2 | 4.4 | 8.7 | 2.5-075 | 2.5 |
| 24 | 3.1 | 6.3 | 12.6 | 3.5-075 | 3.5 |
| 30 | 4.9 | 9.8 | 19.6 | 5.0-075 | 5.0 |
| 36 | 7.1 | 14.1 | 28.3 | 7-100 | 7 |
| 42 | 9.6 | 19.2 | 38.5 | 10-100 | 10 |
| 48 | 12.6 | 25.1 | 50.3 | 12-150 | 12 |
| 54 | 15.9 | 31.8 | 63.6 | 15-150 | 15 |
| 60 | 19.6 | 39.3 | 78.5 | 20-150 | 20 |

- (1) Based on 24" minimum bed depth.
- (2) At minimum 0.25 GMP/Cu. Ft. rinse rate.
- (3) Regeneration with saturated salt (NaCl) brine as the educted liquid will yield brine flow < rinse flow. The ratio is dependent on many factors including discharge head (pipe design, bed depth, installation, etc.) and suction lift (brine valve design and size, installation, etc.)

List Prices

| Model No. | Pipe Size (NPT) | Price |
|-----------|-----------------|---------|
| 0.9-050 | 1/2 | \$33.50 |
| 1.2-050 | 1/2 | 33.50 |
| 1.4-050 | 1/2 | 33.50 |
| 2.0-050 | 1/2 | 33.50 |
| 2.5-075 | 3/4 | 36.20 |
| 3.5-075 | 3/4 | 36.20 |
| 5.0-075 | 3/4 | 36.20 |
| 7.0-100 | 1 | 51.60 |
| 10-100 | 1 | 51.60 |
| 12-150 | 1-1/2 | 70.10 |
| 15-150 | 1-1/2 | 70.10 |
| 20-150 | 1-1/2 | 70.10 |

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