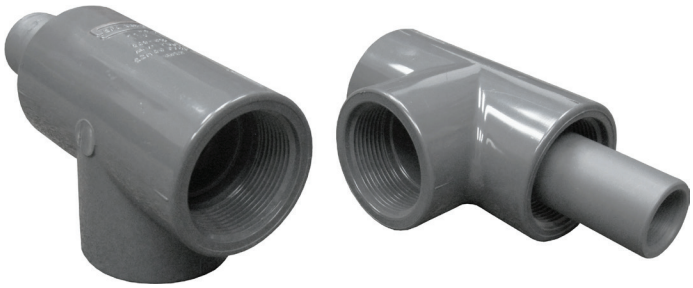
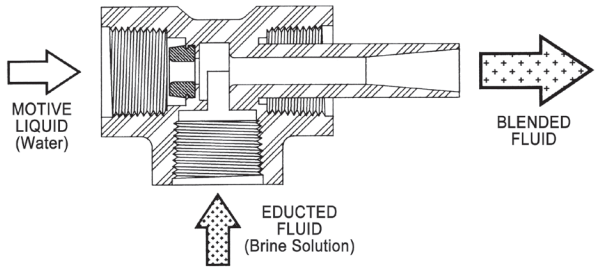
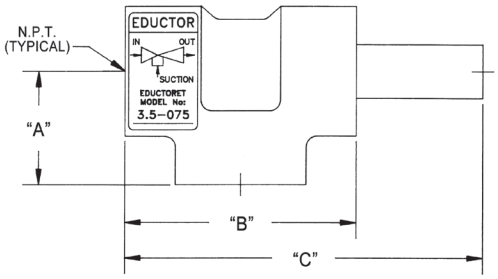
EDUCTORS

EDUCTORET™
FULLY AUTOMATIC WATER JET EDUCTOR





- Flexible flow control orifice automatically keeps constant liquid flow regardless of variations in inlet water pressure.
- Corrosion Resistant Materials of Construction:
  Eductor Body — Schedule 80 PVC, Type 1, Grade 1
  Flow Control Insert — Precision Molded Buna-N
- Wide Operating Pressure Range: 30 to 120 psig
  Maximum Operation Temperature: 100°F
- Custom Configurations Available on Request



Important Application Notes:
The eductors are designed for operation with water as the operating medium. All applications should be carefully tested both for flow characteristics and comparability 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.

Part Number	SPECIFICATIONS					TYPICAL WATER SOFTENER APPLICATIONS				
	Motive Water Flow Rate	Pipe Size Inches (NPT)	Dimensions (Inches)			Tank Diameter (Inches)	Area Sq.Ft.	Rinse Volume		Rinse GPM
			"A"	"B"	"C"			Minimum Cu.Ft.	Maximum Cu.Ft.	
OM-09050	0.9 gpm	0.5	1.35	2.74	—	12	0.8	1.6	3.1	0.9
OM-12050	1.2 gpm	0.5	1.35	2.74	—	14	1.1	2.1	4.3	1.2
OM-14050	1.4 gpm	0.5	1.35	2.74	—	16	1.4	2.8	5.6	1.4
OM-20050	2.0 gpm	0.5	1.35	2.74	—	18	1.8	3.5	7.1	2.0
OM-25075	2.5 gpm	0.75	1.62	3.22	4.40	20	2.2	4.4	8.7	2.5
OM-35075	3.5 gpm	0.75	1.62	3.22	4.40	24	3.1	6.3	12.6	3.5
OM-50075	5.0 gpm	0.75	1.62	3.22	4.40	30	4.9	9.8	19.6	5.0
OM-70100	7 gpm	1.0	1.85	3.64	5.45	36	7.1	14.1	28.3	7
OM-10100	10 gpm	1.0	1.85	3.64	5.45	42	9.6	19.2	38.5	10
OM-12150	12 gpm	1.5	2.09	4.16	6.05	48	12.6	25.1	50.3	12
OM-15150	15 gpm	1.5	2.09	4.16	6.05	54	15.9	31.8	63.6	15
OM-20150	20 gpm	1.5	2.09	4.16	6.05	60	19.6	39.3	78.5	20

Data Based On:
Motive Water Flow Rate ±10% @ 30-120 psig and 60°F
Motive Liquid: Educted Liquid = 1:1 with educted fluids similar to water
(e.g. Specific Gravity = 1.0 and Viscosity = Centipoise @ 60°F)
Suction Lift = 4.0 feet and Discharge Head = 0 feet

Typical Water Softener Application Notes:
1) Minimum Rinse Volume based on 24 inch minimum bed depth.
2) Maximum Rinse Volume at minimum 0.25 gpm/cu.ft. rinse rate.
3) Regeneration with saturated salt (NaCl) brine as the educted liquid will yield Brine Flow less than 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.).

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