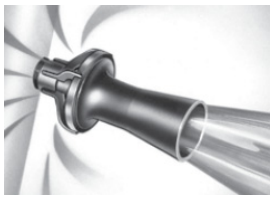
Other Types of Nozzles and Accessories - Eductors




EDUCTOR PRINCIPLES:

BEX eductors use a unique venturi design which enables smaller pumps to circulate large volumes of tank solution. The eductor will circulate four to five litres of solution for each litre pumped.

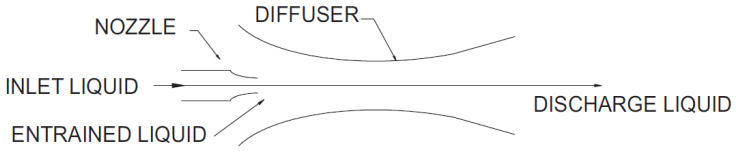
BEX eductors are used for mixing chemicals, suspending solids, adjusting pH, "sweeping" debris or sludge toward a filter intake and many other useful applications.

TYPICAL APPLICATIONS:

- Plating Tanks
- Cleaning Tanks
- Phosphating Tanks
- E-coat Tanks
- Fertilizer Tanks
- Pulp Tanks
- Sludge Tanks
- Paint Booths
- Anodizing Tanks
- Cooling Towers
- Decorative Fountains

CONSTRUCTION:

Standard materials are cast iron, 316 SS, PVDF (Kynar®) and glass-filled polypropylene. Other materials are available upon request.



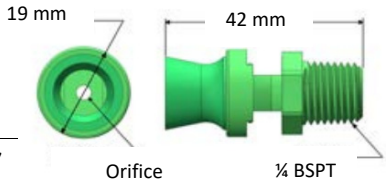
Sizes from 1/4” to 3” BSPT (NPT models also available)

BEX Eductors – Molded Plastic Models

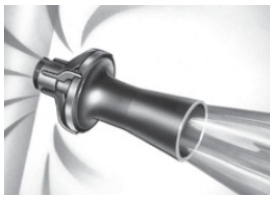
MODEL	Thread	Dim. L (cm)	Dim. D (cm)	Max. Free Passage (mm)	NOZZLE FLOW (L/min) AT VARIOUS PRESSURES (bar)							
					0.7 bar	1 bar	1.5 bar	2 bar	2.5 bar	3 bar	3.5 bar	4 bar
BT00MP	1/4”	7.9	3.8	4.78	12	14	18	20	23	25	27	29
BT0MP	3/8”	11.4	5.4	7.32	29	34	42	48	54	59	64	68
BT2MP	3/4”	16.2	7.6	9.80	51	62	75	87	97	107	115	123
BT3MP	1”	21.6	9.5	12.2	80	96	117	135	151	166	179	191
BT4MP	1½”	25.1	11.7	15.5	126	150	184	213	238	261	281	301

BEX Eductors – Mini Molded Plastic Models

MODEL	Max. Free Passage (mm)	Color	NOZZLE FLOW (L/min) AT VARIOUS PRESSURES (bar)						
			0.7 bar	1 bar	1.5 bar	2 bar	2.5 bar	3 bar	4 bar
BTMMP6	1.50	red	1.18	1.40	1.70	2.00	2.20	2.41	2.77
BTMMP11	2.01	green	2.10	2.50	3.10	3.60	4.00	4.34	5.02
BTMMP18	2.49	blue	3.43	4.10	5.00	5.80	6.50	7.11	8.20
BTMMP26	3.00	yellow	4.96	5.90	7.30	8.40	9.40	10.3	11.9



Other Types of Nozzles and Accessories - Eductors



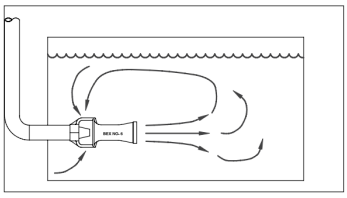

BEX TANK MIXING EDUCTORS – stainless steel 316 & cast iron

CONSTRUCTION:

These precision investment cast models are available in 316 stainless steel and iron.
Other materials are available on request.
The capacity table provides the flow of water through the nozzle orifice.
To determine the discharge, multiply this value by five (5).

MODEL	Thread	Dim. L (cm)	Dim D (cm)	Max. Free Passage (mm)	NOZZLE FLOW (L/min) AT VARIOUS PRESSURES (bar)							
					0.7 bar	1 bar	1.5 bar	2 bar	2.5 bar	3 bar	3.5 bar	4 bar
BT0M	3/8" male	11.4	4.5	7.3	29	34	42	48	54	59	64	68
BT2M	3/4" male	17.2	6.0	9.8	51	62	75	87	97	107	115	123
BT3M	1" male	19.4	7.3	12.2	80	96	117	135	151	166	179	191
BT4M	1½" female	24.1	9.5	15.5	126	150	184	213	238	261	281	301
BT4	1½" female	24.1	9.5	15.5	126	150	184	213	238	261	281	301
BT5	2" female	31.1	12.4	19.8	210	251	307	355	396	434	469	501
BT6	3" female	43.5	19.1	30.2	480	574	703	812	908	995	1074	1149

USING BEX EDUCTORS AS STEAM SPARGERS



APPLICATIONS:

BEX Steam Spargers heat water and other liquids quickly and efficiently by direct injection of steam. They are designed for tank immersion and eliminate water hammer noise.

MODELL	Max. Free Passage (mm)	Thread	Dim. L (cm)	Dim. D (cm)	NOZZLE FLOW (kg/hr) AT VARIOUS PRESSURES (bar)							
					1.5 bar	2 bar	3 bar	4 bar	5 bar	6 bar	8 bar	10 bar
T0M	7.32	3/8" male	11.4	4.5	62	64	68	72	76	79	87	95
T2M	9.8	3/4" male	17.2	6.0	97	100	106	112	118	124	136	148
T3M	12.2	1" male	19.4	7.3	161	166	176	186	196	206	226	245
T4	15.5	1½" female	24.1	9.5	270	278	295	312	328	345	378	411
T5	19.8	2" female	31.1	12.4	410	422	448	473	498	524	574	625
T6	30.2	3" female	43.5	19.1	903	931	987	1043	1099	1154	1266	1377