

PENBERTHY & HYPRO

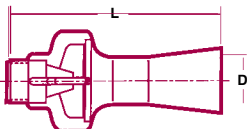
Tank Mixing Eductors

Designed to be used for increased agitation of liquids contained in tanks when settling or local density variations are unacceptable. Typically, eductors can increase the circulation rate from a small pump by a factor of 5 because of the unique design which operates on the Venturi Principle.



TME-34

Dimensions



These eductors are cast or molded in one piece, with ample thickness, resulting in a strong, durable product. The plastic types offer excellent chemical resistance. UPC type eductor nozzles are designed for high flow rates.

Materials are:

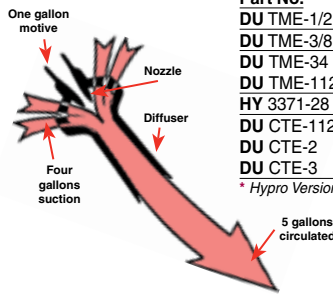
- Cast Iron
- Polypropylene

TME SPECIFICATIONS

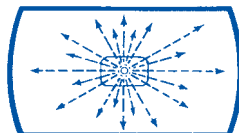
Size	Operating Liquid Flow - GPM (m3/min)				D	L
3/8"	9.3	11.9	14.1	16	16.9	1-1/4" 4-1/2"
1/2"	13.1	17	20.1	22.7	24	2-1/2" 6-1/2"
3/4"	17.3	22.4	26.5	30	31.6	2-7/8" 6-1/2"
1-1/2"	43	55.6	65.8	74.6	78.6	4-1/2" 9-3/4"
Pressure (psi)	15	25	35	45	50	

Part No.	Inlet Port	Construction
DU TME-1/2	1/2" MPT	Poly
DU TME-3/8	3/8" MPT	Poly
DU TME-34	3/4" MPT	Poly
DU TME-112	1-1/2" MPT	Poly
HY 3371-28	* 3/4" MPT	Poly
DU CTE-112	1-1/2" FPT	Cast Iron
DU CTE-2	2" FPT	Cast Iron
DU CTE-3	3" FPT	Cast Iron

* Hypro Version includes (3) orifice inserts for flow variation.



Tank Mixing Eductors Operate Simply & Efficiently



Spray Tank Jet Agitator Units

3371 1/2" Tee & Hex Nipples

D3371 KIT

TF050

S3371 KIT

TF075

3371-19

EL3412F

NYLON SPRAY TANK JET AGITATOR UNITS

S3371 Single Agitation (For 110 gallon tanks or smaller).

D3371 Double Agitation (For 150 to 250 gallon tanks).

NOTE: 300 to 500 gallon tanks require TWO D3371 Agitators for proper agitation action.

S3371 Single Jet Agitator Consists of:

- 1- 3371-19 Jet Agitator
- 1- TF075 Tank Fitting, 3/4"
- 1- EL3412F Nylon Elbow

D3371 Double Jet Agitator Consists of:

- 1- TF050 Tank Fitting, 1/2"
- 1- R1212 Nylon "T"
- 2- 3371 Jet Agitators

Part No.

DU S3371 Single Jet Agitator Kit.....

DU D3371 Double Jet Agitator Kit

Use Hole Saw to drill 1-5/8" Hole in Poly tank & 2-1/8" in Fiberglass.

Viton® is a registered trademark of DuPont Performance Elastomers

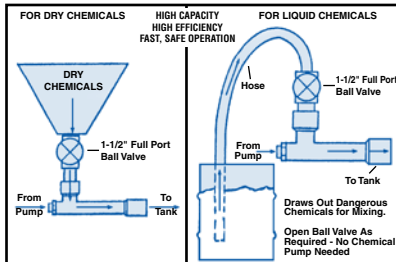
1-1/2" NPT (Female)

Chemical Eductors/Injectors Cast Iron



No. CHE20 Cast Iron

TYPICAL INSTALLATIONS



- Used to pull chemicals into flow lines quickly.
- No moving parts.
- Requires only 20 GPM @ 20 PSI of Liquid to Empty a 55 Gallon Drum of Chemicals in Less Than 3 Minutes. (CHE20)
- Creates a 15 Inch Vacuum.

1-1/2" EDUCTOR CAPACITY USING 1" I.D. HOSE (CHE20)

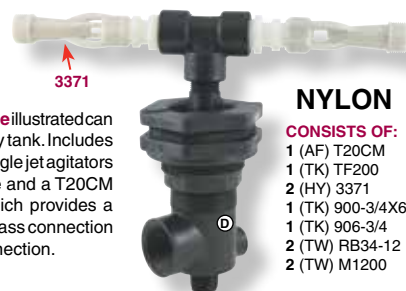
SUPPLY FROM PUMP		EDUCTOR CAPACITY	TIME REQUIRED TO EMPTY 55 GAL. DRUM	
GPM	PSI		MIN.	SEC.
20	20	18	2	56
23	30	27	2	06
27	40	31	1	45
30	50	37	1	35

Capacity based on 33" lift from liquid in barrel to eductor

Part No.

Part No.	Size	Material
DU EDI3/4	3/4"	Cast Iron
SC CHE20	1-1/2"	Cast Iron
DU EDI2	2"	Cast Iron
DU EDI3	3"	Cast Iron

Jet Agitators



NYLON

- CONSISTS OF:**
- 1 (AF) T20CM
 - 1 (TK) TF200
 - 2 (HY) 3371
 - 1 (TK) 900-3/4X6
 - 1 (TK) 906-3/4
 - 2 (TW) RB34-12
 - 2 (TW) M1200

DA200 Double Agitation Device illustrated can be used in any fiberglass or poly tank. Includes a TF200 poly tank fitting, two single jet agitators with a 7" vertical mounting tee and a T20CM 2" MPT poly tank adaptor which provides a 1-1/4" FPT outlet, 1/2" FPT bypass connection and a 3/4" MPT agitation connection.



Part No.

DU DA200 JET AGITATION ASSEMBLY.....
AF T20CM 2" MPT Tank ADAPTER with 1-1/4" FPT x 1/2" FPT & 3/4" MPT ..

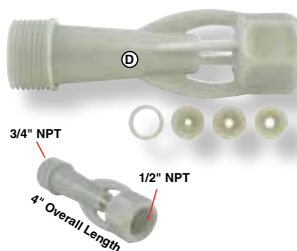
HYPRO® MOLDED NYLON CONSTRUCTION



No. 3371-19 Hypro Molded Nylon Jet Agitator: Adapts to your installation. Fits directly into 3/4" NPT tank opening. Mounts vertically or horizontally. Four nozzle sizes, 1/8", 5/32", 3/16" & 1/4", are included. Increases effective output flow up to 3 times the input for thorough agitation.

Part No.

HY 3371-19 Jet Agitator Tank Mounted, Venturi Type



No. 3371 Hypro Jet Agitator is made of tough high impact molded plastic. Required for effective agitation of spray tanks. If properly installed will help keep spray materials from settling out. Low pressure unrestricted discharge reduces foaming. Supplied with three nozzle sizes. 1/8", 3/16", 5/32" and spacer ring. Minimum requirement for each jet agitator is 2 GPM -- preferably 3 GPM

Part No.

HY 3371 JET AGITATOR with 3-Nozzles