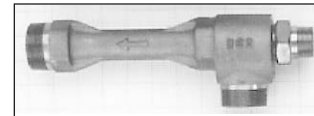


JACOBY TARBOX EDUCTORS (JET PUMPS)

JRG/JT Eductors are the most efficient way to pump many kinds of liquids and gases, and even solids. Applications are generally categorized as follows: Liquid motive pumping a liquid. Steam motive pumping a liquid. Liquid motive pumping a gas. Other application areas are in water treatment processes and in those for gases.



LIQUID MOTIVE PUMPING LIQUID

Typical applications include:

- Draining sumps
- Pumping in areas where an electric pump would present an explosion hazard
- Boosting the NPSH (Net Positive Suction Head) of a pump
- Pulling an acid or base into a water stream for dilution purposes

STEAM MOTIVE PUMPING LIQUID

- For draining sumps, where electrical lines are not available
- For drawing water from ponds and warming it as it is being supplied to processes
- For heating process fluids in-line
- For cooking slurries in-line
- For heating reactor jackets

LIQUID MOTIVE PUMPING GASES

- To aerate a liquid to reduce the BOD (Basic Oxygen Demand) of the fluid
- To exhaust vapours or gas from a room
- To evacuate a vessel
- To scrub fumes from a gas
- To inject air, ozone, chlorine or other gas into a process liquid
- To create vacuums

MIXING

- To provide agitation of a vessel
- To control shear during agitation.

STEAM OR GAS MOTIVE PUMPING GASES

- To lower the boiling point of a vessel, saving heating costs
- To produce a vacuum for filtration processes
- To prime pumps and vessels
- To prime siphon lines

OPERATING SPECIFICATIONS

Pumping Liquids

MODEL	SL	ML	HL	SG	HG
Operating Media	Liquid	Liquid	Liquid	Steam	Steam
Operating Pressure (PSIG)	15-200	15-200	15-200	30-150	20-150
Pressure Recovery %	10-15	30-35	40-50	15-20	30-35
Maximum Suction Lift	27 ft	27 ft	27 ft	20 ft	20 ft
Maximum NPSH Required	3 ft	3 ft	3 ft	13 ft	13 ft

Pumping Gases

MODEL	ML	MLE	SG	HG
Operating Media	Liquid	Liquid	Steam,Air	Steam,Air
Operating Pressure (PSIG)	20-200	20-200	20-120	10-100
Max Vacuum	29 In Hg	29 In Hg	24 In Hg	23 In Hg
Discharge Pressure	15	15	12	35
Applications	Evacuate, Exhaust, Prime			

Heating Liquids

MODEL	MLE	ML	MLH	ULJ	ULH	TLA
Heating Process	In-line	In-line	In-line	In-line	In-line	In-tank
Max Temp Rise	180	200	215	200	200	125
Maximum GPM Heated	5000	5000	5000	700	700	2000
Steam Press Range	Vac-45	Vac-100	Vac-120	0-150	0-150	10-140

Tank Agitation

MODEL	TLA
Operating Pressure (PSIG)	10-150
Suction Pick-up Ratio	3:1 (min.)
Plume Length	1 ft. per PSI
Maximum GPM Motive	3200
Viscosity	1-2000 cP

Solids Transportation

MODEL	SL	ML	HL	ULJ	SG
Operating Media	Liquid,Air	Liquid,Air	Liquid,Air	Air	Air
Operating Pressure (PSIG)	5-100	5-100	3-100	15-50	20-100
For details on these units provide complete piping information					