

Standard Liquid Jet Eductors for Acids and Alkali Dilution & Conveyance - E600 Series



PRIMETECH

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Liquid jet liquid eductors are simple and cost effective solution to dilution or conveying of acids and alkalies. Primetech offers standard eductors to meet standard dilution requirements of Acid and alkalies to specific diluted concentrations.

These eductors are of simple construction consisting of a motive nozzle, body and a diffuser designed carefully considering the required dilution % weight level, Mass ratios, liquid density ratios, Head ratios. The eductors are machined to the higher accuracy levels to achieve reliable performance.

From the range of eductors, depending on the suction quantity requirement of the given acid or lye, a standard eductor can be selected to get the definite end concentration.

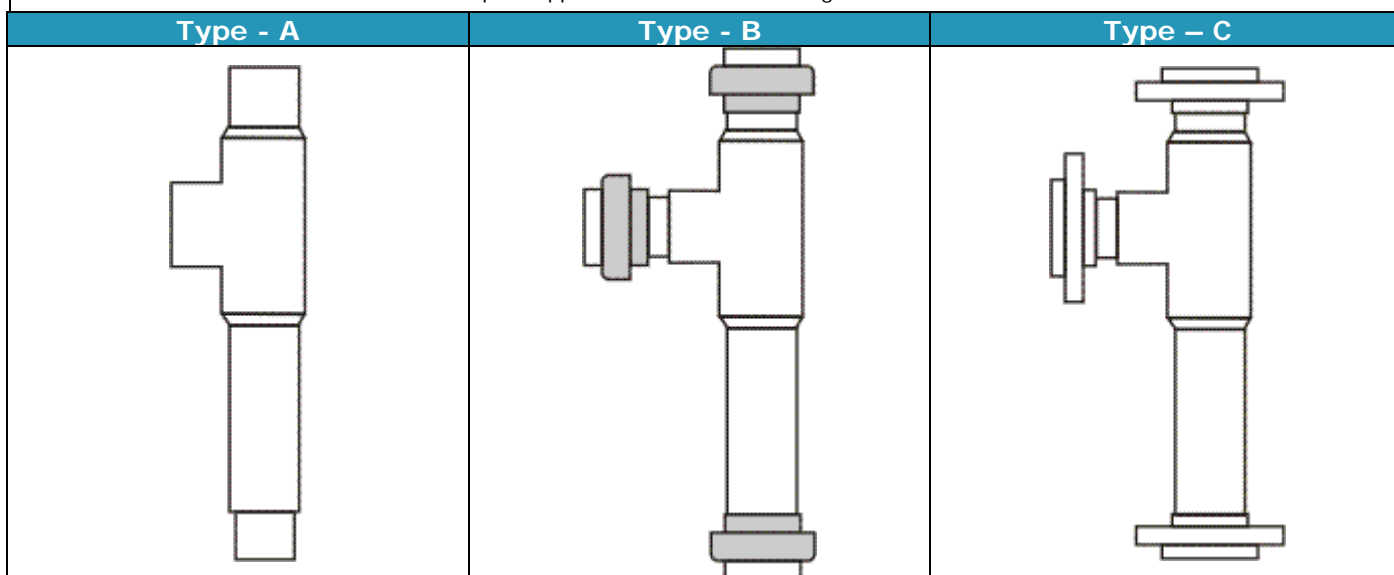
To meet various industry process needs, these eductors are designed for certain specific concentration dilution levels.

Standard dilution level table & offered materials of construction

PRINCIPLE OF OPERATION

Initial concentration % W/W	Final concentration % W/W	Acid/Alkali	MOC
33 %	7 %	HCl	PVC / PP
33%	6 %		
33%	5 %		
33%	4 %		
50%	6 %	NaOH	PP / MSRL with PTFE / ebonite nozzle & diffuser
50%	5 %		
50%	4 %		
98% (or) 96 %	8.5%	H ₂ SO ₄	SS-316 with PTFE Nozzle PTFE PVDF
98% (or) 96 %	6%		
98% (or) 96 %	4.5%		
98% (or) 96 %	3.7%		

For other dilution concentrations and other liquids applications consult our design team.



TYPE	MOC	Model
Type - A	PVC - Solvent Cementable Ends	DE 1
Type - B	PVC/PP - Union with Sockets	
Type - C	PVC/PP - Flanged	
Type - G	MSRL - ebonite nozzle & Diffuser	DE 3
Type - H	MS - PTFE lined with PTFE Nozzle & Diffuser	DE 4
Type - I1/I2	SS316 / Inconel / HAC / Monel / Titanium Construction I1 - Screwed	DE 5

Note: Dimensions will be provided against specific enquiries.