

Eductor / Ventury Pump

EDU1



EDU18S



EDU18SS



FEATURES

- » Venturi pump
- » Ease of Maintenance
- » Effective Vacuum / Suction up to 400 mm Hg
- » Anti-corrosive Teflon Housing

ADVANTAGES

- » Complete engineered package.
- » User Friendly with full & easy service access
- » Mechanical Components for regular service
- » Unique design & component reliability ensures minimum servicing except routine cleaning or general maintenance
- » Unit can work within harsh environment & high ambient of 8°C to 80°C areas
- » Vacuum-tight and leak-free O ring seal
- » Dense/Tiny design
- » Only Mechanical Design

DESCRIPTION

The basic requirement for Eductors is to perform according to a given parameter with trouble-free operations.

These are used mainly at remote locations or very challenging locations or experiencing extreme weather conditions.

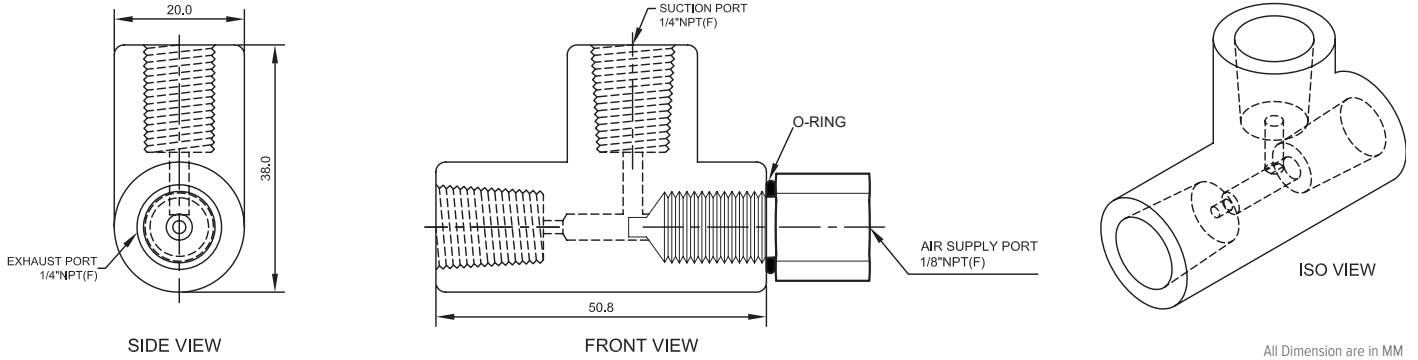
AXIS brings you the equipment to meet diverse and exacting demands which runs trouble-free 24 X 7 in the Power generation sector, Chemical plants, Process Plants, Instruments Panels, and Food Processing machinery.

AXIS Eductors offer non-electrical means and no mechanical moving parts for transporting a sample stream.

Eductor work on the basic flow dynamics principles. The principle of venturi nozzle applies here. This involves taking the power of one stream and accelerating through the tapered nozzle by increasing the velocity of the stream and creating a vacuum due to increased flow & decreased pressure. This will move the power of one stream to create a vacuum for the other. In turn, both are mixed & discharge from the exhaust port.

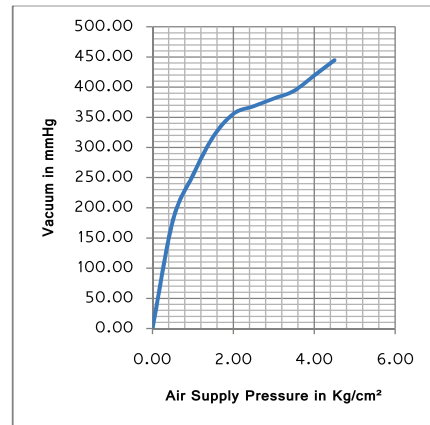
Eductors are also known as Mechanical Vacuum Pump or Venturi Pump. Applications like hazardous areas where electrical apparatus are a challenge to use can have Eductor as the best alternative.

DIMENSION DETAILS



TECHNICAL SPECIFICATION

General	Mounting	Wall (Any)
	Dimension	38 x 51 x 20 (HxWxD) mm
	Sample	Air or Gas
Connection	Air Inlet port	1/8" NPT (F)
	Suction port	1/4" NPT (F)
	Discharge port	1/4" NPT (M) (1/4" threaded tube) with L= 85mm for EDU12S & L= 110mm for EDU18S
Material	Body Material	Teflon / SS
	Nozzle	SS 304 or Teflon (On request)
Functionality	Ambient Temperature	8°C to 80°C
	Vacuum	Upto 450 mm Hg



Eductor with 1.8 mm orifice

PRODUCT

Description	Part No.	Quantity
Eductor with 1.8 mm Teflon body	EDU18S	1 No.
Eductor with 1.8 mm SS body	EDU18SS	1 No.

Note : If process containing HCL or high level of corrosive acid / gas concentration then use TF body.