Installation Operation & Maintenance Instructions
For
EDF Eductors

Installation

Eductors are supplied ready for immediate insertion into the pipework, it only being necessary to connect the motive suction and discharge branches. Where close control of the unit is required it is recommended that flow control valves be fitted in the motive and suction lines. Pressure drops in the discharge line should be kept to a minimum.

Operation

In operation the motive fluid enters the eductor through the pressure nozzle thus producing a high velocity jet. This action creates a vacuum in the suction line and thus causes the liquid to flow into the body of the eductor where it is entrained by the pressure liquid. Both liquids are then mixed in the throat of the eductor and discharged from the unit against a counter pressure. The unit will operate satisfactorily where both motive and suction liquids are under pressure, it is essential however, under these circumstances that the motive liquid is at a higher pressure than that of the suction fluid. At start-up the motive liquid flow should be initiated first.

Maintenance

Eductor have no moving parts and consequently require little or no maintenance. The only items likely to require replacement after a long period of use are the nozzle and throat.

The nozzle can be removed when the motive flange connection is unbolted.

The throat can be removed when the body / diffuser flange is unbolted.

When replacing the nozzle / throat care should be taken to ensure they are firmly seated and correctly aligned.

Note

Eductors of this type are specifically designed to carry out a specific duty, which should not be modified without first consulting Northvale Korting Engineers.

NORTHVALE KORTING LTD, UXBRIDGE RD, LEICESTER, ENG, LE4 7ST , TEL 0044 (0) 116 2665911, FAX 0044 (0) 116 2610050,

Email: sales@northvalekorting.co.uk Website: www.northvalekorting.co.uk