

Title (en)

Gas injection device for inducing draught in a gaseous fluid transport system

Title (de)

Gasinjektionsvorrichtung zur Zugerzeugung in einer Gastransportanlage

Title (fr)

Dispositif d'injection de gaz pour l'aide au tirage dans un système de transport de fluide gazeux

Publication

EP 0878664 A1 19981118 (FR)

Application

EP 98401133 A 19980512

Priority

FR 9705856 A 19970513

Abstract (en)

The injector consists of an insert (2) which is fitted into the lower end of the outlet duct. It has an inner passage for the main gas flow to pass through and a series of lengthwise grooves (6) in its upper section (5) which form channels with the inner surface of the duct through which an auxiliary gas can be injected to increase the flow rate. The grooves can be straight or spiral in shape, and are spaced evenly round the outer surface of the insert. They can be in sufficient numbers to be more or less adjacent. the insert is made in one piece and has inner and outer surfaces which can be circular or polygonal. Its upper section is made in the shape of a truncated cone tapering at an angle of 10 - 40 degrees, and preferably 25 degrees. The injector is mounted on a base made of aluminium alloy or PVC.

Abstract (fr)

Système de transport de fluide gazeux comportant un dispositif d'injection de fluide gazeux pour l'aide au tirage (1). Le dispositif comprend un tronçon de conduit (11a) et une pièce (2) positionnée vers une partie extrême du tronçon de conduit. La pièce se présente sous la forme d'un manchon (2), formant un passage intérieur pour le fluide gazeux et comportant, une pluralité de cannelures en creux s'étendant sur sa surface extérieure (5). Les cannelures ont pour fonction de délimiter, avec le tronçon de conduit, des canaux pour l'introduction du fluide gazeux d'injection. <IMAGE>

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