

THE ENGWALD CORPORATION

EXHAUST HOSE REEL

Technical Description

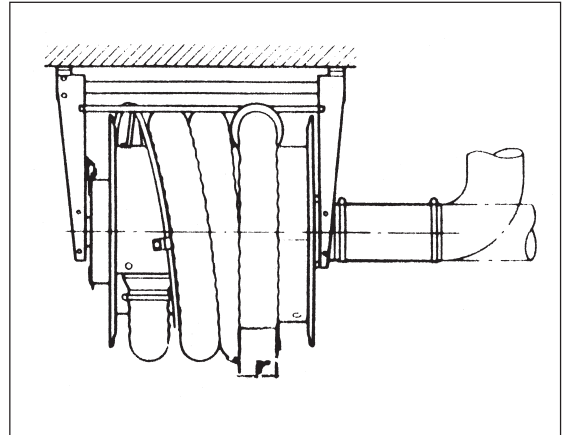
GENERAL DESCRIPTION

The Engwald spring operated exhaust hose reel is manually controlled and intended for the removal of fumes from all types of vehicles. When the hose has been unwound to the desired length it locks in this position. The locking mechanism releases on further withdrawal, and the hose then automatically rewinds. The reel is mounted on the ceiling or wall, and is connected to a fan or the existing exhaust extraction system.

In order to achieve low energy consumption it is possible to install an on/off switch which automatically stops the fan (or closes the damper) when the hose is in the re-wound position.

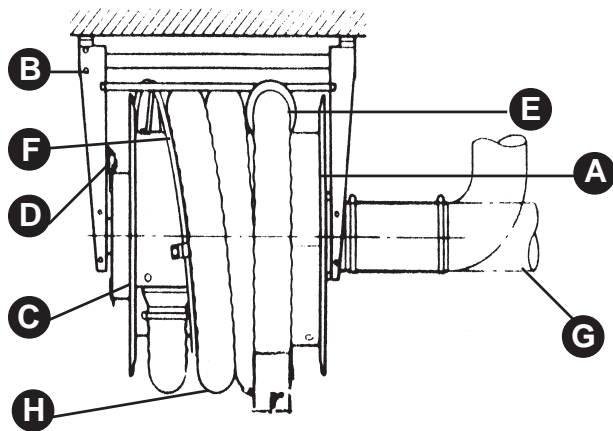
When in normal use the reel needs no maintenance. Lengthy endurance tests, comparable to 15 years in use, reveal very little wear on the mechanical components.

Also available in motorized version.



CONSTRUCTION

The reel is made up of the following main components:



- A **Drum**, consisting of an aluzinc-lined metal cylinder bolted on to two metal ends. Inside the drum there is a flexible aluminum pipe, 6 ¼", which is the link between the hose and the swivel.
- B **Stand**, consisting of two aluzinc-lined supports and two zinc-plated steel tubes.
- C **Cassette**, with **springs** for the re-wind system. The cassette contains two springs made of special spring steel of the highest quality.
- D **Brake latch**. When the hose has been withdrawn to the required length it is held at precisely this position. The brake mechanism is released if the hose is pulled out a little further, and the hose will then rewind automatically.
- E **Hose stop**. This can be adjusted so that the hose will hang at any required height.
- F **Hose guide** guides the hose on the first revolution of the drum.
- G **Connecting tube** of aluminum, flexible, diam. 6 ¼", length 12", to be used in a straight position when bends are needed in the duct system.
- H **Exhaust Hose** 600° high temperature silicone exhaust hose or EPDM rubber hose 300°.

