

# Emergency Opening

## With damper or vent regulation

The Hydromat operates in a closed oil circuit and is therefore extremely reliable.

### Built-in emergency opening function

In case of power failure the hydromat will automatically open the dampers in the ventilation system and thus extend the period before suffocation damage occurs, and perhaps prevent the damage completely, depending on the number of animals and type of ventilation.

When the power returns, the system returns to normal operation and continues functioning, as if nothing had happened.

### Installation of the Hydromat as an emergency opening function only.

The Hydromat can pull up to 785 kg, this means that doors and windows, or other types of emergency opening functions, which require that force, can be regulated by a Hydromat.

The Hydromat keeps the objects closed, and in case of power failure a magnetic valve is released which allows the oil in the closed system to circulate so that the Hydromat can open. A weight in the opposite end of the system pulls the objects into an open position and thus creates air circulation. The weight must be just heavy enough to pull the objects open. When the power returns the Hydromat will close the objects again.

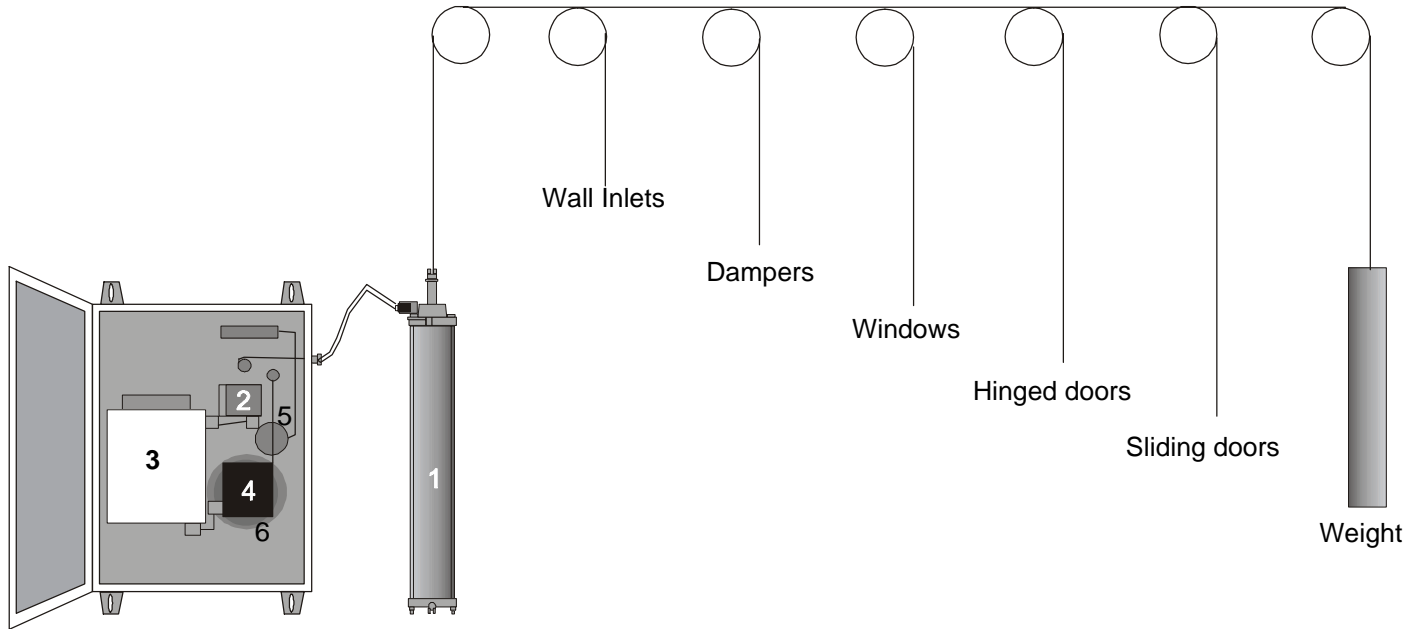
### Too high temperatures.

The Hydromat can be connected to one or more thermostats placed in the stables or it can be connected to a built-in alarm relay in a computer or an electronic regulating system. The result is that the emergency opener functions both in case of power failure and in case of too high temperatures. When the temperature returns to normal, the Hydromat closes as if nothing had happened.



Type	70	100
Pulling length, m/m	320	320
Diameter, mm	70	100
Pulling force, kg	385	785

# Placement Suggestions



- 1 Cylinder with piston
- 2 Magnet valve 220 volt
- 3 Oil container
- 4 Oil pump
- 5 condensor 4 uf
- 6 Motor 0,82 amp. 90W 220volt

