

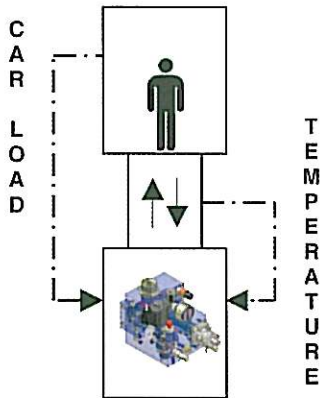
Fluitronic component

NGV ELECTRONIC VALVE

NEW FLUITRONIC TECHNOLOGY
THE MOST ADVANCED LIFT CONTROL SYSTEM

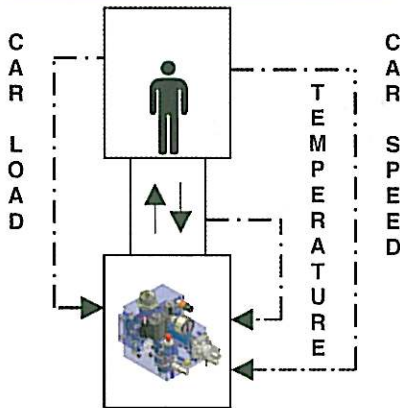
TWO DIFFERENT OPERATING CRITERIA

INTERNAL FEED-BACK



With simple interface
on all existing and new lifts
**ENERGY CONSUMPTION:
MINUS 20%***

TOTAL FEED-BACK

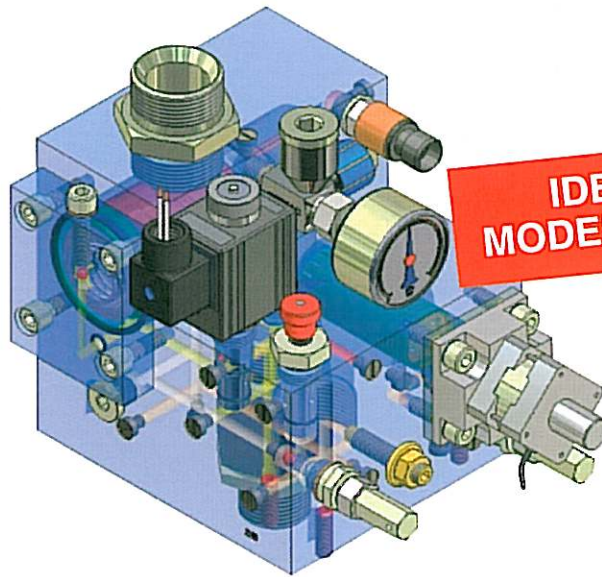


The ideal choice when maximum comfort and top performances are essential requirements

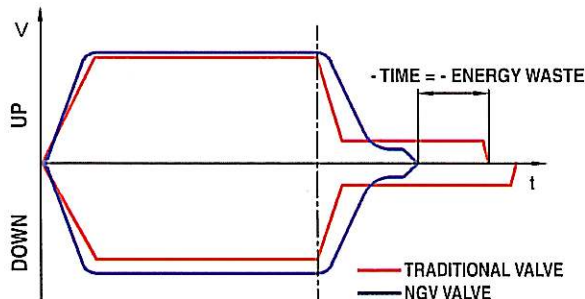
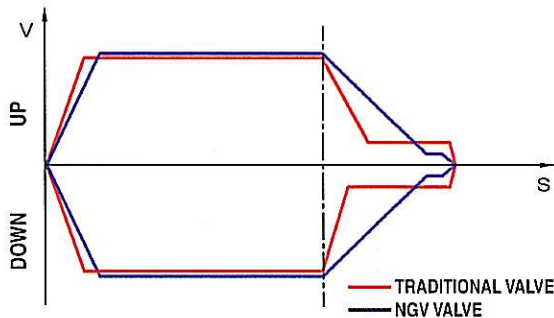
**ENERGY CONSUMPTION:
MINUS 30%***

* In comparison with a traditional valve

- ✓ THE LIFT MOTION IS CONTROLLED BY THE INNOVATIVE NGV ELECTRONIC VALVE WITH "STEPPING SYSTEM" TECHNOLOGY
- ✓ ECO-FLUIDS OR MINERAL OIL CAN BE USED



**IDEAL FOR
MODERNIZATIONS**



No. 1 in the world
with more than 650.000
hydraulic lift
components installed

Fluitronic component

GMV has improved the quality of the hydraulic lift ride developing a new control system with "stepping" technology. The fluid motion is controlled by a servomotor (stepping-motor) that directly drives the valve function.

THIS SOLUTION GRANTS

- Higher reliability of the control system
- Better performances
- The possibility to choose between an *internal feed-back* or a *total feed-back*
- Cost reduction
- Latest control technology

ADVANTAGES

- Up to 40% reduction in power requirements (especially in combination with other GMV products)
- Speed up to 1 m/s
- Motion comfort equal to VVVF electric systems
- Practically no need of heat exchangers
- Possibility to use eco-fluids in compliance with new standards
- Residential costs limited to a few hundreds euro
- Reduced fly-time
- Adjustable maintenance speed
- Pressures from 15 to 60 bar
- Possibility of downwards speed up to 20% higher than upward speed
- Constant speed down regardless of load

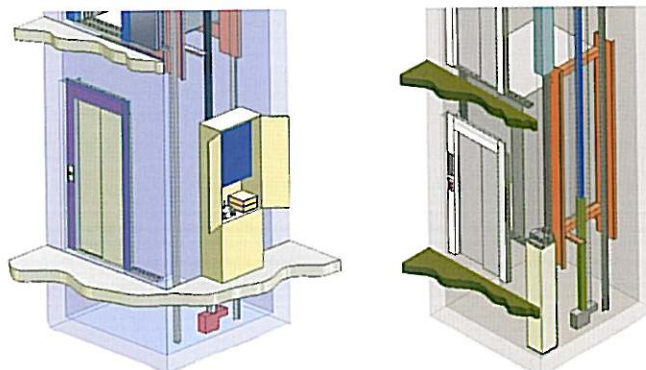
THE TECHNICAL SOLUTION

The control valve can work with two different logics and configurations: *internal feed back*, based on fluid pressure and temperature, or *total feed back*, based on advanced encoder measurement of the car speed. In the first case the valve controller has a memory track of working characteristics as a function of temperature and pressure. The real speed curve of car motion is in perfect agreement to the target speed curve. The valve simply fits in all new and existing lifts. In the second case performances are equal to VVVF controls. It is the ideal choice when maximum comfort and top performances are essential requirements.

ECO- FLUIDS

GMV, together with power units with NGV electronic valve, supplies an eco-fluid. This fluid is biodegradable and non-toxic with superior characteristics if compared to mineral oils, in particular: higher temperature stability and higher fire resistance.

Supplied with MRL and MRL-MC power-units



NGV
ELECTRONIC
VALVE