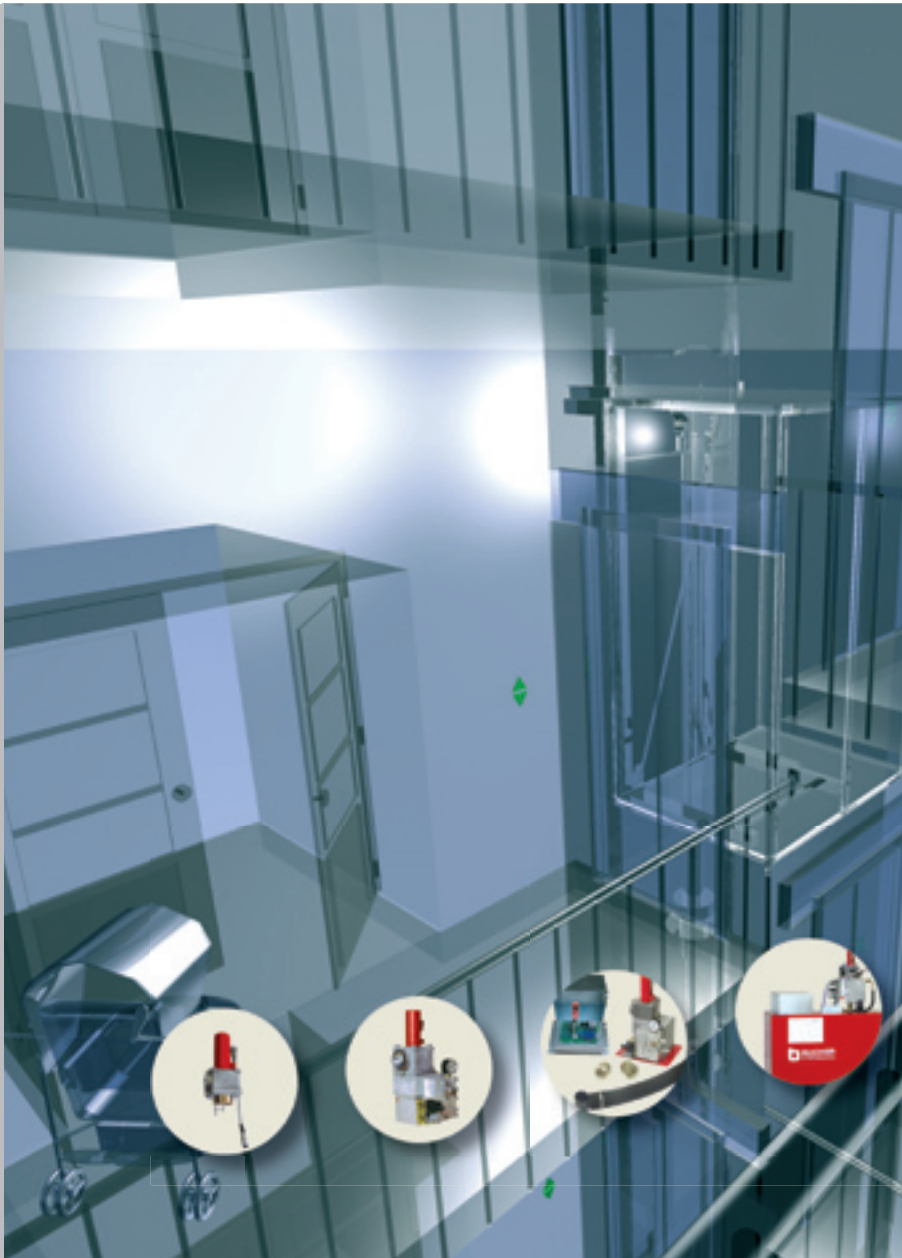


# Modernisation

Smoother – Faster – Energy-saving



Smother and faster travel – reduce costs – save energy

# Ideal Modernising



„Old“ becomes „new“: a new travel experience in just a short time!  
Using the MULTIKIT conversion package, hydraulic lifts can be custom-modernised without having to replace the lift controller.

## Hall sensor

Effort: 3-4 hours

- Smooth and direct approach into the landing, with short travel times.

## LRV-1 valve

Effort: 2 hours

- Unsurpassed ride comfort and short slow-speed travel, irrespective of load and temperature.

## MULTIKIT

Effort: 1 working day

- The conversion can be carried out without replacing the existing lift controller.

## Compact Line

Using the MULTIKIT conversion package, the existing lift controller can be kept.

Effort: 1 working day

- The good-value package solution for standard applications.

## Comfort Line

Using the MULTIKIT conversion package, the existing lift controller can be kept.

Effort: 1 working day for a Saturn BETA power unit

- High level of availability thanks to new and reliable drive unit with 12-month guarantee.

## Economy Line

Using the MULTIKIT conversion package, the existing lift controller can be kept.

Effort: 2 working days for a Saturn ALPHA power unit

- Short and consistent travel times and up to 60% less energy consumption.

Effort: 2-3 working days for a Orion ALPHA power unit

- Maximum travel performance with reduced electrical supply rating and up to 80% less energy consumption.

Smoother

# Perfect modernisation



## Hall sensor

The non-contact Hall sensor supersedes the mechanical measuring head of an old Beringer LRV lift control valve. It experiences no mechanical wear and is insensitive to old or contaminated oil. Its accuracy permits a direct approach into the landing and noticeably shortens the slow-speed travel.

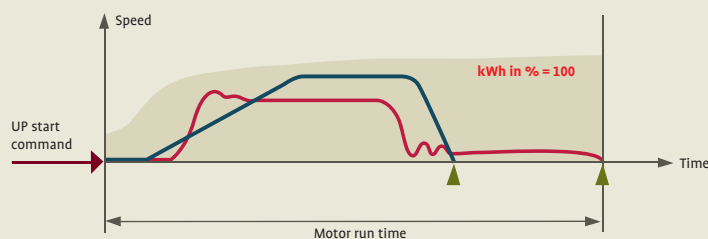


## LRV-1 lift control valve

The LRV-1 electronically controlled lift valve offers the unsurpassed in ride comfort, irrespective of load and temperature. When a mechanically regulated lift valve is replaced by an electronically controlled one, the consumption of energy - and thus the generation of heat - is reduced.

- Energy consumption is reduced by as much as 30%
- High travel performance without additional oil cooler
- Total travel time is reduced due to consistently short slow-speed travel
- Insensitive to changes in load and temperature

### Mechanically regulated lift valve (Competitor)

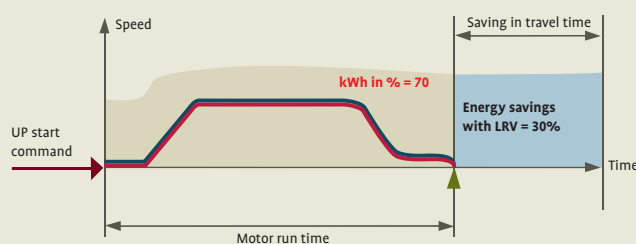


#### Energy consumption

▶ Lower landing

▲ Upper landing

### LRV the electronically controlled lift valve from Bucher Hydraulics



■ Energy savings with LRV = 30%

— Empty car and cold oil (Oil HLP 46 at 10°C)

— Full load and hot oil (Oil HLP 46 at 60°C)

1 working day + MULTIKIT = a modern hydraulic lift



### **MULTIKIT**

The MULTIKIT conversion package contains all the components for modernising a hydraulic lift without replacing the lift controller. With this conversion package, a Beringer mechanical valve is replaced by the LRV-1 electronically controlled lift valve. The conversion work is reduced to the minimum because the installation parameters are factory preset before shipment.

### **A MULTIKIT modernisation is as simple as this:**



8.00

The existing lift controller and the power unit with mechanical valve in the machine room.



9.00

With the adapter, the base plate is fitted to the valve block.



12.00

The new valve, with the adapter and hose, is mounted on the existing power unit.



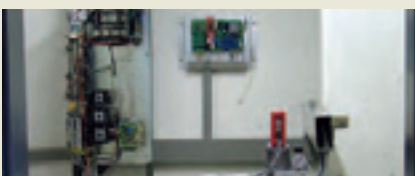
14:00

The MULTIKIT interface is wired to the existing lift controller.



15:00

The electrical connections on the valve block are completed.

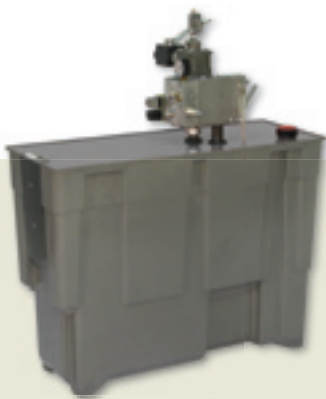


16.00

The hydraulic lift has been modernised and is ready for use.

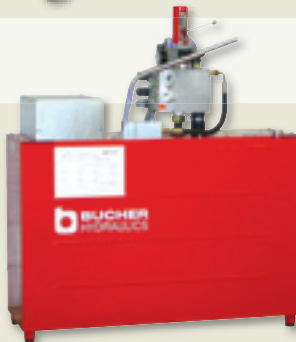
Smoother, faster and energy-saving

When an existing hydraulic lift is modernised with a Bucher Hydraulics power unit, a new and reliable motor/pump set is installed.



#### **Compact Line**

- Suitable for hydraulic lifts with payloads up to 1,000 kg and travel heights up to 20 m
- Excellent ride comfort, irrespective of load and temperature



#### **Comfort Line: Saturn BETA**

- Suitable for hydraulic lifts with payloads up to 40,000 kg and travel heights up to 25 m
- Unsurpassed ride comfort, irrespective of load and temperature



#### **Economy Line: Saturn ALPHA**

- Suitable for hydraulic lifts with high traffic volumes up to 120 travels per hour (without oil cooler)
- A combination of energy-saving technology, unsurpassed ride comfort, and minimal noise emissions.



#### **Economy Line: Orion ALPHA**

- Suitable for hydraulic lifts with high traffic volumes up to 120 travels per hour (without oil cooler)
- A combination of energy-saving technology, unsurpassed ride comfort, and minimal noise emissions
- Maximum travel performance with reduced electrical supply rating

Products

# The Bucher Hydraulics range

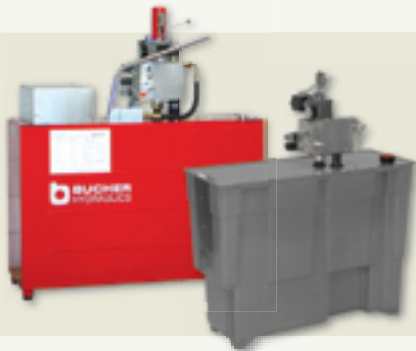
Bucher Hydraulics offers a wide range of hydraulic lift components.



## Electronically controlled lift valves (LRV)

Bucher Hydraulics lift control valves provide unsurpassed ride comfort, irrespective of load and temperature.

All lift control valves are factory preset to the installation-specific parameters. This reduces the on-site installation time to the minimum.



## Power units

**Compact Line:** the good-value package solution with the innovative synthetic tank and the C-LRV electronically controlled lift valve.

**Comfort Line:** the standard power unit with the LRV-1 electronically controlled lift valve offers unlimited application possibilities and numerous options.

**Economy Line:** the high-performance, economical, and low-noise drive solution with the VF-LRV electronically controlled lift valve reduces energy consumption by up to 80% in comparison with mechanically controlled hydraulic lift installations.



## Frame kits

**Pluto:** The range of side-ram frame kits is suited for hydraulic passenger and goods/passenger lifts with payloads up to 1,600 kg.

**Jupiter:** The range of tandem-frame kits is suited for hydraulic goods/passenger lifts with payloads up to 6,000 kg.



## MRL-drive systems (machine room-less)

**BERIPAC™:** the system offers maximum travel performance with minimum energy consumption.

**Tiger:** the best system for the optimum shaft utilisation.



## Modernisation

**MULTIKIT:** the route to perfect modernisation of a hydraulic lift drive, without time-consuming and costly replacement of the lift controller.



## Cylinders

Versatile, robust and reliable.

## Bucher Hydraulics AG

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