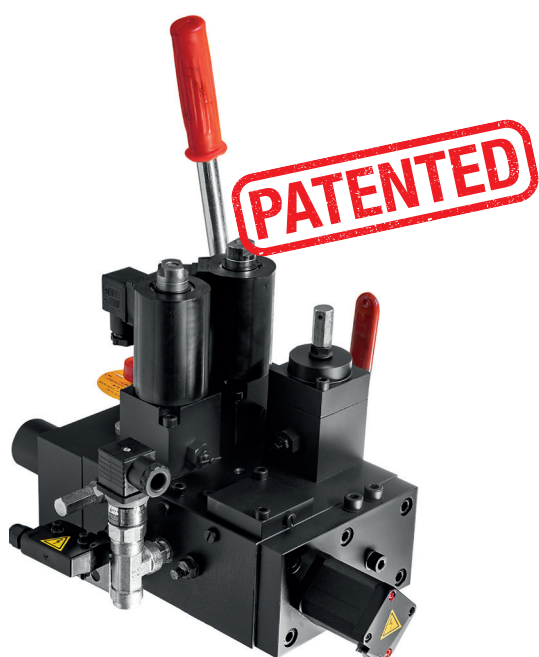




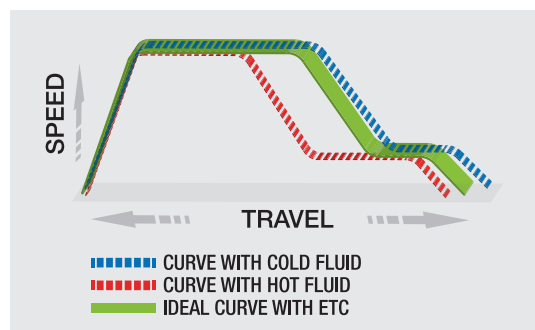
1 million lifts worldwide
with GMV technology

Valve type **3100 2CH A3**



Hydraulically compensated valve with electronic adjustment using inside hydraulic feedback, with double internal safety lock according to EN81-20/50 standards.

ETC Function



- > **Encoder is not required.**
- > **Reduction of the motor power, compared to a traditional mechanical valve**, due to the reduction of internal pressure drops and its better energy efficiency. Allows to use the same motor and pump combinations as the NGV valve.
- > **It is not influenced by differences in pressure values and fluid temperature, than are not necessary valve heaters or oil heaters**, allowing significant energy saving.
- > Possibility of **independent and separate electronic adjustment for all phases of lift operations**:
 - Acceleration – Deceleration – Up Speed – Down Speed – Levelling.
 - Possibility to adjust down speed independently from the set of up speed. Possibility to adjust the down speed up to 150% of the up speed for flow rates up to 150 l/min., or up to 130% of the up speed for flow rates between 180 and 210 l/min.
- > **Function ETC**: optimization of leveling time (3,5 sec.) regardless to the oil temperature, selectable by software.
- > **Intermediate and maintenance speed electronically selectable and adjustable**. This feature is useful for installations that have “short” distances between floors or for lifts with speed 1,00 m/s and maintenance speed 0,60 m/s.
- > **Using the PT01 programmer** as previously used for control panels, GEV and NGV electronic valves.
- > **Valve adjustments can be carried out remotely**, with units positioned inside of the compartments.
- > **Possibility to modernizing existing lifts with 3010 mechanical valve**. New 3100 2CH A3 Valve has the same control inputs as the 3010 valve.
- > **Easy spare parts management**: A lot of components are interchangeable with 3010 Valve.
- > **Function Soft-stop** (optional).

GMV S.p.A.

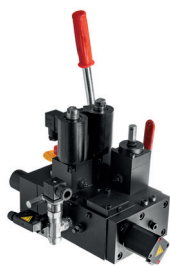
Sales Office and Factory:

Strada per Biandrate, 110/112 - 28100 Novara (NO)
Tel +39 0321 67 76 11 - Fax +39 0321 05 77 15
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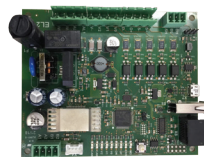
SUPPLY



Example:
Power unit GL DRY with
electronic valve 3100 2CH A3



Electronic valve 3100 2CH A3
with stepper motor



Electronic card



All components
are tested and
assembled supplied

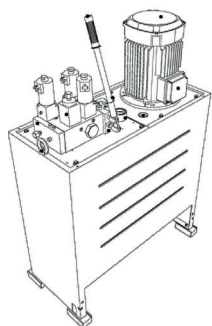


Electric emergency (12VDC)

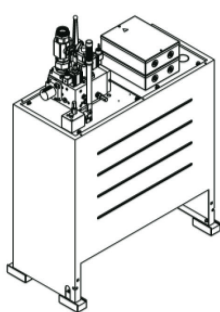


User Manual 3100 2CH A3 valve

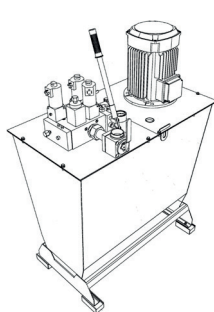
AVAILABLE WITH



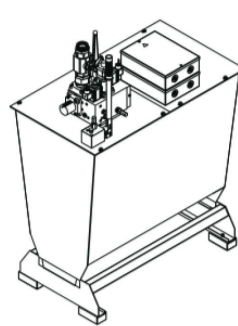
GL DRY



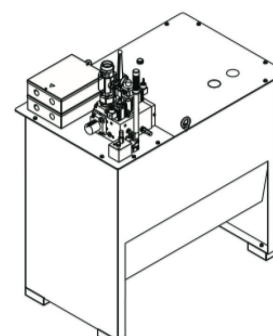
GL



F1 DRY



F1



T2

Valve 3100 2CH A3 it is available with DRY power units (with external motor) which increases the efficiency of the lift, reducing the power losses due to the motor immersed in a viscous fluid. DRY power units also allow a consistent reduction of the volume of fluid therefore eliminate auxiliary heating devices.

TECHNICAL SPECIFICATION

Technical data	50 HZ 2 poli	60 HZ 2 poli
	3 phases	3 phases
Motor power [kW]	2,9 ÷ 14,7	2,9 ÷ 14,7
Pump flow [l/min]	55 ÷ 210	66 ÷ 216
Maximum static pressure [bar/MPa]	45 / 4.5	
Minimum static pressure with empty cabin [bar/MPa]	12 / 1.2	
Lift speed [m/s]	≤ 1,0	
Valve model	3100 2CH A3 1" 1/4"	
Available power unit models	GL / GL DRY / F1 / F1 DRY / T2	
Connection	1" 1/4"	

Electric specification of electronic card	Fluid specification
Power supply : 20 ... 27 Vcc / 18 ... 24 Vac	Temperature: 5°C - 70°C
Fuse: 2A	Viscosity: > 140 cSt
Inputs: 24 ... 110 Vcc/Vac	Fluid type: ISO VG 46: ISO
Alarm relay output: 24 ... 180 Vcc/Vac; max 2A	
EMC standard: EN 12015 e EN 12016	