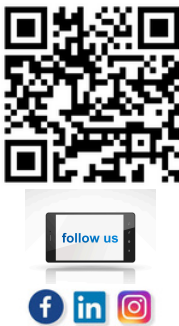


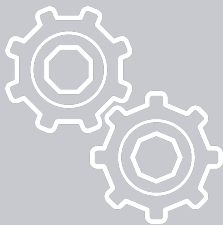


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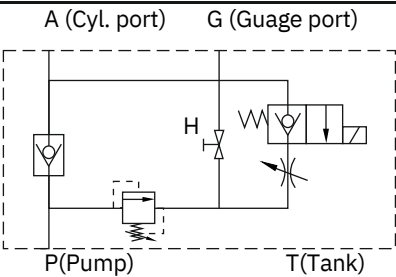
ET-02/04

Hydraulic Lift Valve



Introduction	Contents	Page No.
- Hydraulic lift valve type ET-02/04 is a compact hydraulic solution to control single acting hydraulic cylinders. - The whole lift up/down process can be done stably and the rate of the retracting/lowering will not be influenced by the load. - Used in hydraulic lift platform with different solenoid valve voltage like AC220V, AC110V, or DC24V are available.	Introduction Symbols	1
	Ordering code	2
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	Dimensions ET-02	3
	Installing	3
	Dimensions ET-04	3
ET-02/04 consist of compact hydraulic cartridge valves machined in aluminium block.		
- How hydraulic lift valve system work: - Lift Up:		
The cylinder will be extended when the electric motor is switched on, then hydraulic check valve and hydraulic solenoid valve holds the system pressure, so, the hydraulic cylinder will stay in the extended position/condition.		
Lower Down:		
The electric hydraulic pump motor stay in switched off condition. For lowering the load solenoid valve is energized to release the hydraulic oil back to the tank from hydraulic cylinder.		
The lowering speed can be controlled by the flow control valve in the ET02/04 valve block.		
Emergency Operating (Options):		
In case of electrical power or hydraulic pump failure. The load can be released by the lowering valve with an emergency button/needle valve which can be operated manually.		
Typical applications: Hydraulic Lift tables, Scissor lift, Hydraulic goods etc		

Symbols



“H” marked on valves stands for manual release valve.

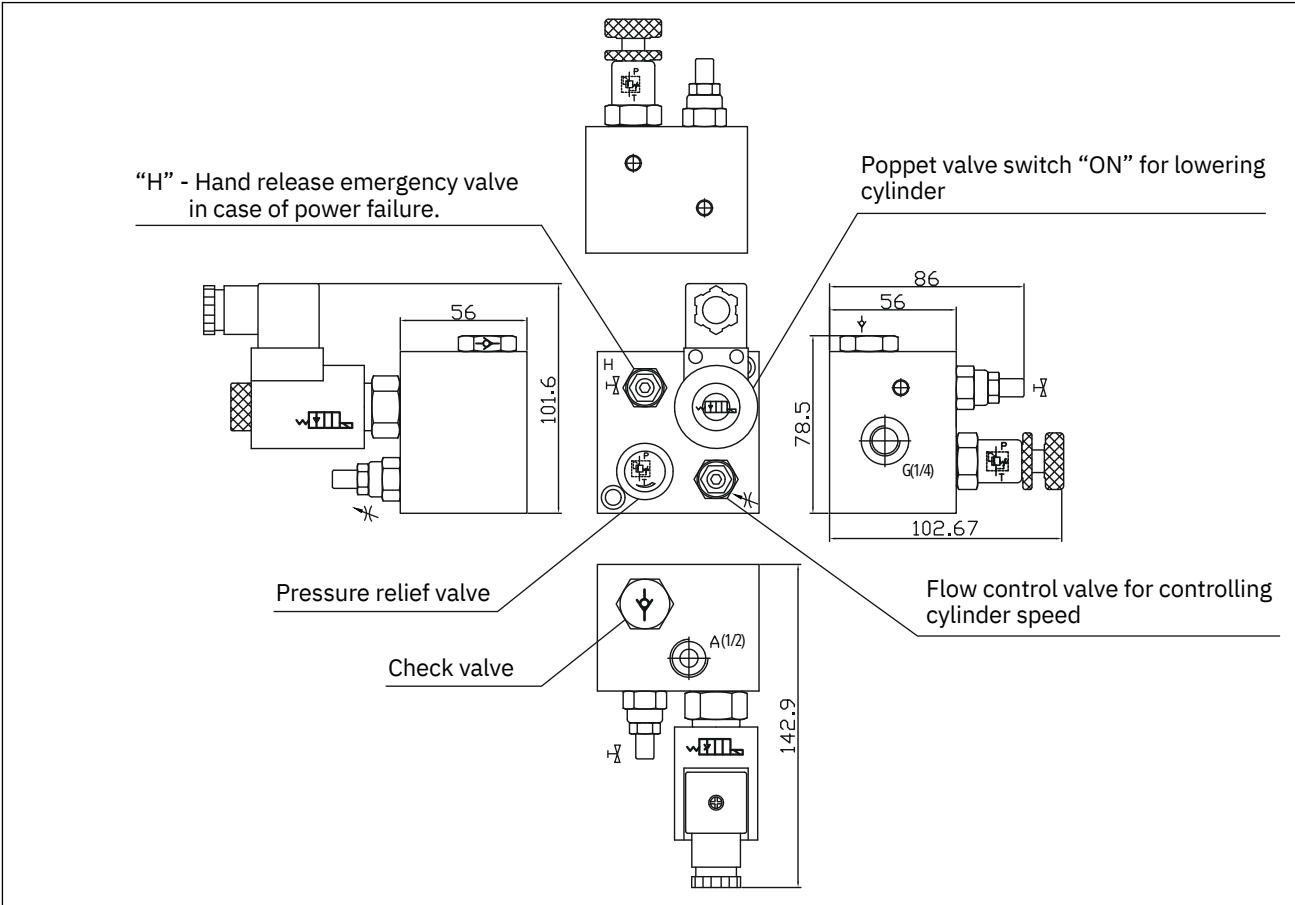
Ordering details

	ET	02	G	G24	Z5L
Product type: Threaded type lift valve					
Size: 2 = 02 4 = 04					
Port size for cylinder: G : BSP 1/2" ZG : BSPT 1/2" Z : NPT 1/2" — P and T port remains 3/8" — Guage port is 1/4"					
Input voltage G12 = DC12 G24 = DC24 W110 = AC110 W220 = AC220					
Connector type DL = Double lead Z5L = Plug-in connector with light					

Technical Data

Model	ET-02	ET-04
Max. flow rate (l/min)	20	40
Max. working pressure (bar)	250	250
Material	Aluminium 6061-T6	Aluminium 6061-T6
Weight (Kgs)	1.2~1.3	2.6~2.7
Min. working voltage	90% of rated voltage	90% of rated voltage
Hydraulic fluid	Mineral oil	Mineral oil
Seal material	NBR seals	NBR seals
Temperature range (°C)	-30 to +80	-30 to +80
Viscosity range (mm²/s)	2.8 to 500	2.8 to 500
Oil cleanliness class according to ISO4406	Class 20/18/15	Class 20/18/15

Installation Dimensions ET-02



Installation Dimensions ET-04

