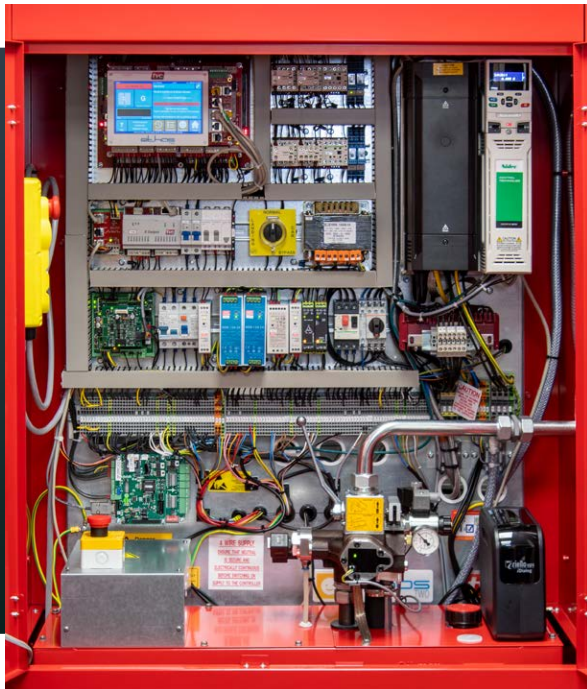


# HYDRATEC SMART™ with TVC Control System



*BS EN ISO 9001:2008  
BS EN ISO 14001:2004  
BS OHSAS 45001:2018*

Supercaps  
energy-efficient  
option now  
available for  
smart™



Hydratec have partnered with industry leading independent manufacturers to produce the Hydratec **smart™**. This exciting new range of low energy integrated hydraulic modernisation packages has been designed specifically to allow easy system configuration to suit end user requirements. The result is the exceptional Hydratec **smart**, providing lift companies with a perfect EN-81-20 hydraulic modernisation solution. Hydratec are now able to offer the cutting-edge TVC Ethos 2 controller, providing our customers with another high quality package at a competitive price.



**smart**  
The standard closed loop drive system with the benefit of a soft start



**ecosmart**  
The VVVF drive in up direction only with current limited option



**ecosmart+**  
The VVVF drive for both up and down directions

Each basic package comprises the power unit, controller, shaft encoder, shaft wiring, limit package, car top and pit control units.

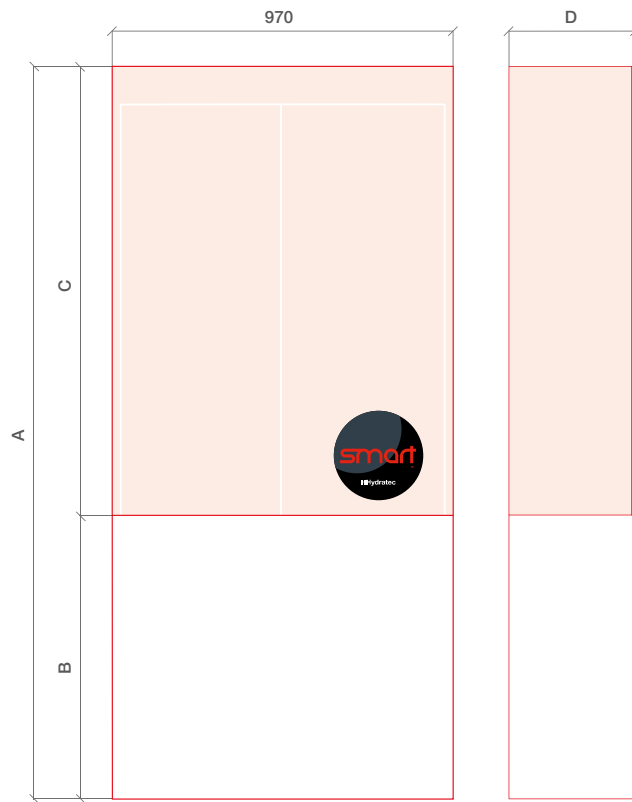
Shaft position is taken care of by the ELGO Limax absolute position system, incorporating advanced contactless magnetic tape technology. Like the rest of the **smart** system, it is virtually maintenance free.

Chosen for its ability to self-adjust and optimise the ride, the Bucher iValve delivers excellent performance with only minimal input from the installer.

Intelligent electronics within the iValve ensure the ride quality is not compromised by heat or load, unlike most mechanical valves on the market. With pressure sensing included within the valve, extra pressure switching points via an additional parameter card, all the installer has to do is plug in and configure with the hand terminal provided with all smart systems. No need for additional pressure switches, fittings or adaptors.

An integrated unintended movement 'UMD' solution through the iValve means there is no requirement for additional safety valves, which may induce pressure drops. Interfacing with the Ethos 2 controller provides a complete EU-Type Examination certified solution.

smart™ System



Tanktype	Fill volume [Litre]	Useable oil volume [Litre]	Valve	Dimensions [mm]			
				A	B	C	D
smart 150	154	88	i250	1790	700	1090	465
smart 230	228	146	i250	1790	700	1090	465

<sup>1</sup>When using Hydratec's installation service any of the three smart systems can be installed including the decommissioning and removal of the old equipment in just five days, for a typical 2 floor lift, subject to site survey and conditions.

<sup>2</sup>Terms & Conditions apply please see our website for details.

"Hydratec", the words and roundel "smart", "eco smart" and "eco smart+" are trademarks of Hydratec Lift Services Limited.

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