

Hydratec smart

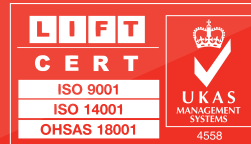
A range of low energy integrated hydraulic modernisation packages



*3 year
Warranty*

All Hydratec smart modular lift packages come with a 3 year parts warranty

Terms & Conditions apply please see our website for details



*BS EN ISO 9001:2008
BS EN ISO14001:2004
BS OHSAS 18001:2007*

Hydratec have partnered with two of the industry's leading independent lift equipment manufacturers to produce the Hydratec 'smart'. This new range of low energy integrated hydraulic modernisation packages has been designed specifically to allow easy system configuration to suit end user requirements. As a result the 'smart' range provides lift companies with the ideal EN81-20 hydraulic modernisation solution. Using the advanced Lester Controls Almega II lift controller across all three versions, the options are:



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 system comprises the power unit, controller, shaft wiring & limit package, Car Top Control and CEDES shaft encoder. The system is designed with 'plug and play' wiring to reduce installation times by up to 50%.

Shaft positioning is taken care of by the Lester Controls APS (CEDES) Absolute Positioning System and uses advanced infrared optical sensor technology. Like the rest of the smart system, it was chosen to be virtually maintenance free.

The system's ALMEGA II EN81-20 lift controller is also manufactured by Lester Controls, whilst the high quality iValve drive is from Bucher Hydraulics. Chosen for its ability to self-adjust and optimise the ride, the iValve delivers excellent performance with only minimal input from the installer.

Intelligent electronics within the iValve ensure ride quality is not compromised by heat or load, unlike most mechanical valves on the market. The iValve's intelligent learning also reduces the likelihood of user complaints due to floor levelling and ride quality problems.

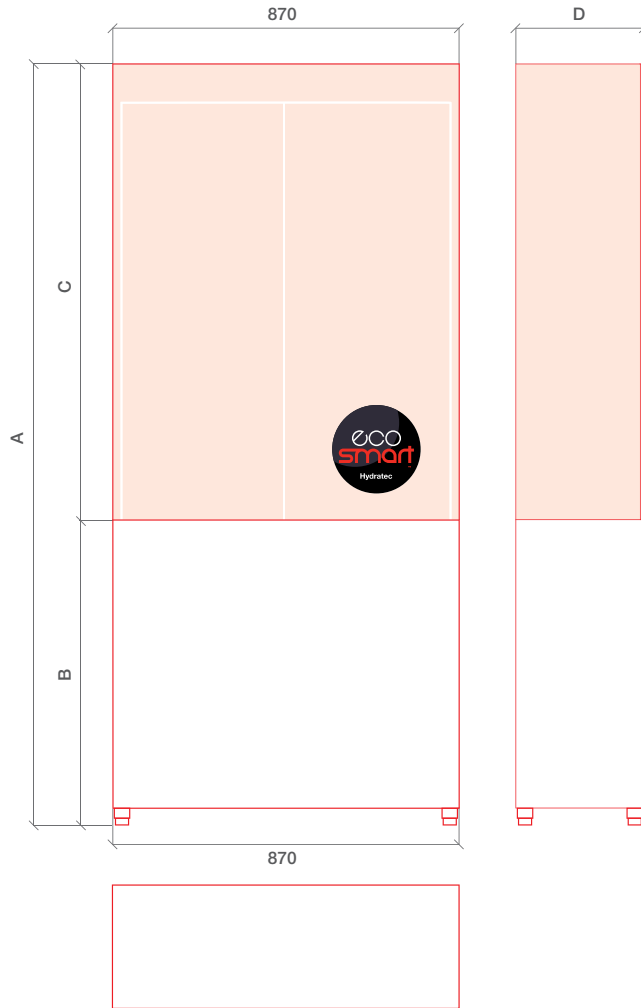
Whilst some valves require the addition of extra pressure switches that clutter up the valve with add-on fittings and adaptors, the iValve does not. Pressure sensing is included within the valve, with extra pressure switching points added via an additional parameter card. All the installer needs to do is plug in and configure the parameter card with the Hand Terminal provided on all smart systems.

With an integrated A3 solution, the iValve has no need for additional safety valves, which induce pressure drops.

The smart range of modernisation packages uses the same ALMEGA II controller, with minor changes to the interface for the different drive systems. This gives clients with multiple sites the opportunity to standardise the system across their portfolio. The same basic valve, be that for a standard or VF drive, allows lift engineers to become familiar with one single product, with the knowledge that spares and technical support are readily available here in the UK.

An industry leading 3 year component warranty as standard means that by installing our system you have made the smart choice.

smart™ System



Tanktype	Fill volume [Litre]	Useable oil volume [Litre]	Valve	Dimensions [mm]			
				A	B	C	D
smart 150	154	88	i250	1822	722	1100	304
smart 230	228	146	i250	1985	885	1100	354

¹When 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.

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

Contact us:

www.hydratec-lifts.co.uk

we service your clients as you

Hydratec Lift Services Limited
 Unit 1B, Blackbushe Business Village
 Yateley, Hampshire
 GU46 6GA

Hydratec Lift Services Limited
 Unit A5, Axis Point Hareshill Business Park
 Hill Top Road, Heywood
 OL10 2RQ

t · +44 (0) 1252 871664
 f · +44 (0) 1252 873601
 e · sales.south@hydratec-lifts.co.uk

t · +44 (0) 1252 871664
 f · +44 (0) 1252 873601
 e · sales.north@hydratec-lifts.co.uk

