

Warning: Only qualified personell should adjust or service valves. Unauthorised manipulation may result in injury, loss of life or damage to equipment. Prior to servicing internal parts, ensure that the electrical power is switched off, cylinder line is closed and residual pressure in the valve is reduced to zero.

Adjustments DOWN

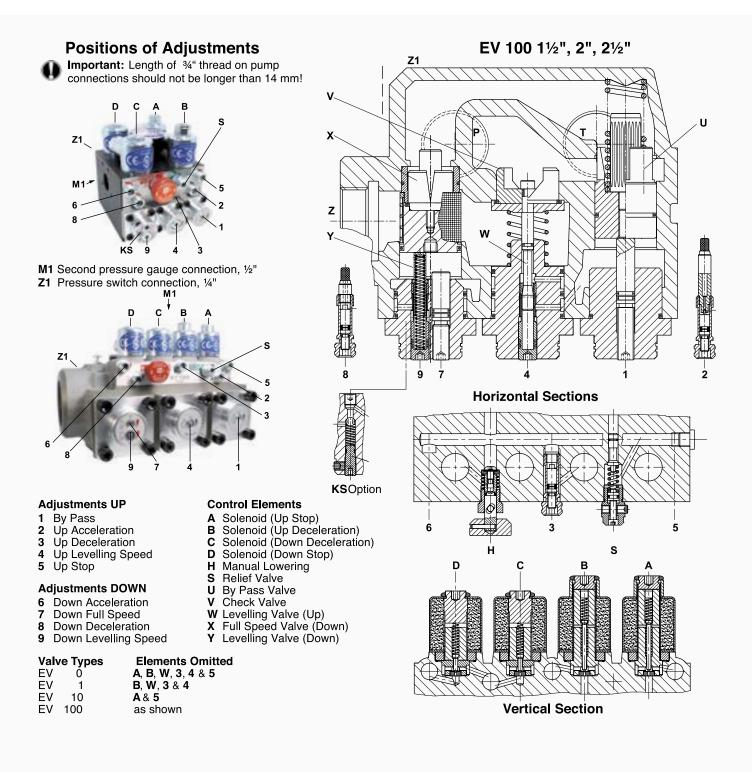
Valves are already adjusted and tested. Check electrical operation before changing valve settings. Test that the correct solenoid is energised, by removing nut and raising solenoid slightly to feel pull. Nominal Settings: Adjustments 7 & 9 approx. level with flange face. Two turns in either direction may then be necessary. Adjustments 6 & 8 turn all the way 'in' (clockwise), then 1.5 turns 'out' (c-clockwise). One final turn in either direction may be necessary.

- **6. Down Acceleration:** When solenoids C and D are energised, the car will accelerate downwards according to the setting of adjustment 6. 'In' (clockwise) provides a softer down acceleration, 'out' (c-clockwise) a quicker acceleration.
- **7. Down Speed:** With solenoids C and D energised as in 6 above, the full down speed of the car is according to the setting of adjustment 7. 'In' (clockwise) provides a slower down speed, 'out' (c-clockwise) a faster down speed.
- 8. Down Deceleration: When solenoid C is de-energised whilst solenoid D remains energised, the car will decelerate according to the setting of adjustment 8. 'In' (clockwise) provides a softer deceleration, 'out' (c-clockwise) a quicker deceleration. Attention: Do not close all the way in! Closing adjustment 8 completely (clockwise) may cause the car to fall on the buffers.
- **9. Down Levelling:** With solenoid C de-energised and solenoid D energised as in 8 above, the car will proceed at its down levelling speed according to the setting of adjustment 9. 'In' (clockwise) provides a slower, 'out' (c-clockwise) a faster down levelling speed.
- **Down Stop:** When solenoid D is de-energised with solenoid C remaining de-energised, the car will stop according to the setting of adjustment 8 and no further adjustment will be required.
- **KS Slack Rope Valve:** Solenoids C and D must be de-energised! The KS is adjusted with a 3 mm Allan Key by turning the screw K 'in' for higher pressure and 'out' for lower pressure. With K turned all the way 'in', then half a turn back out, the unloaded car should descend when Manual Lowering H is opened. Should the car not descend, K must be backed off until the car just begins to descend, then backed off a further half turn to ensure that with cold oil, the car can be lowered as required.





BLAIN EV100 Elevator Control Valves







Solenoid (Down Deceleration)

D Solenoid (Down Stop)

Manual Lowering

S Relief Valve

Available from Hydratec (0)1252 871664



Α

В

С

н

EV 0

Elevator Valves

Control Elements Solenoid (Up Stop) Solenoid (Up Deceleration)

- U By Pass Valve
 - V Check Valve
 - W Levelling Valve (Up)
- X Full Speed Valve (Down)
- Levelling Valve (Down) γ



Adjustments UP

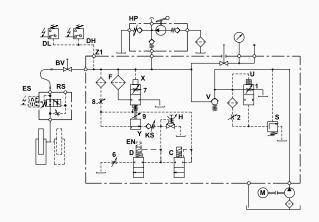
By Pass 1

- Up Acceleration 2
- **3** Up Deceleration
- 4 Up Levelling Speed
- 5 Up Stop

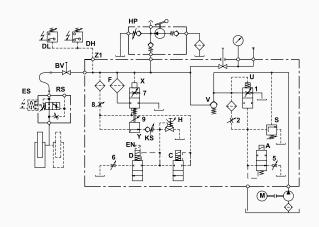
Electrical Sequence

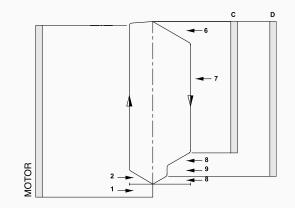
Adjustments DOWN

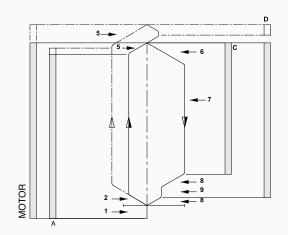
- **Down Acceleration** 6
- Down Full Speed 7
- 8 Down Deceleration
- 9 Down Levelling Speed



EV 1







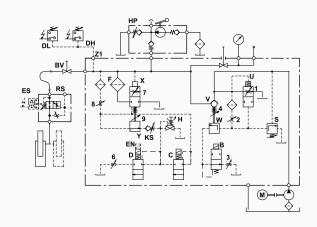


Unbiased Unbranded Reliable

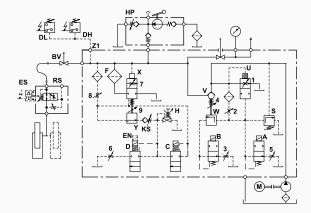


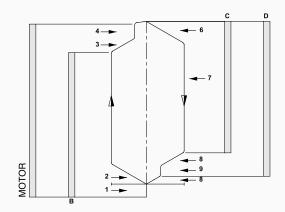
BLAIN EV100 Elevator Control Valves

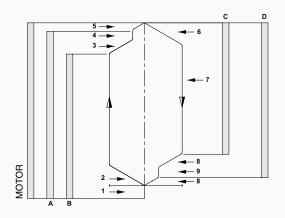
EV 10

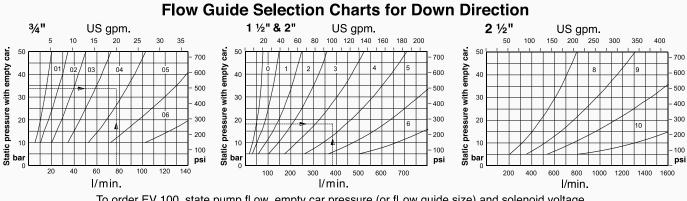


EV 100







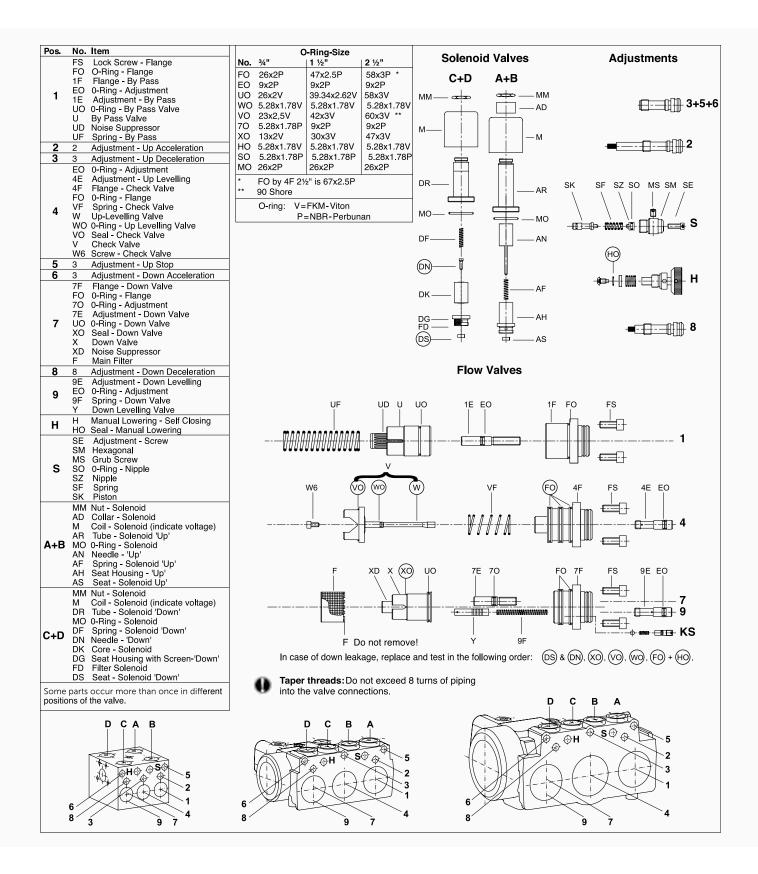


To order EV 100, state pump fl ow, empty car pressure (or fl ow guide size) and solenoid voltage. Example order: EV 100, 380lpm, 18 bar (empty), 110 AC 🛛 EV 100/4/110AC



Unbiased Unbranded Reliable





Hydratec Unbias

Unbiased Unbranded Reliable





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

t · +44 (0) 1252 871664

f · +44 (0) 1252 873601

e · sales.south@hydratec-lifts.co.uk

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.north@hydratec-lifts.co.uk

 $\ensuremath{\textcircled{\sc 0}}$ Copyright 2015, Hydratec Lift Services Limited, All rights reserved.

*The technical and performance details contained within this document have been obtained from original manufacturers' product descriptions. Hydratec Lift Services Ltd are providing this information as a guide only and cannot be held responsible should any performance promises or technical details be incorrect.

we service your clients as you