

**The instructions below relate to the HIMAX valve supplied with Autovent application.**

**SETUP Screen controls and settings**

A	Closing diff. For the Autovent program, this is the differential at which the final close command is given. When the falling inlet pressure reaches the set pressure PSet plus this value, the valve will be closed.
B	Vent rate. The target rate of pressure decrease. When this rate is reached during the Autovent program, the valve stops opening.
C	Backlash. The number of turns that the valve is moved when the target vent rate is reached. This is used to take up the backlash in the valve. Set to zero for no backlash compensation.
D	Motor step turns setting. When the STEP buttons are pressed, the valve is opened or closed by this amount. Minimum 0.01 turns.
E	Motor Speed. This is the speed at which the OPEN, CLOSE, JOG, STEP and Autovent valve open functions operate the valve.
F	Auto Close valve speed. It may be necessary to close the valve faster to avoid overshooting during the Autovent program. This value is the speed at which the final close command is carried out during the Autovent Program.
G and H	<p>Scaling for the inlet pressure transducer. The analogue input measures 0-20 mA with a raw value of 0 to 32767.</p> <p>4 mA equates to an offset (C) value of 6553. So a transducer rated at 4-20 mA will always use 6553 for C.</p> <p>For the m value (gradient) of a 4-20 mA transducer, divide 26214 by the max transducer rating in Bar.</p> <p>Example: 0-1500 Bar transducer: <math>m = 26214 / 1500 = 17.48</math>                  Example: 0-10000 psi transducer: <math>m = 26214 / 10000 \times 14.5 = 38.01</math></p>
J	Inlet pressure
Set Defaults	Restores all default values to the setup page.
Motor on/off	Toggles the drive. make sure this is on (depressed) to run the valve
psi/bar	Touch to toggle pressure units in psi or bar.
K	Drive status. All three indicators must be green for the drive to work.

