

# New Products

## Quick Exit and Pressure Fall Back



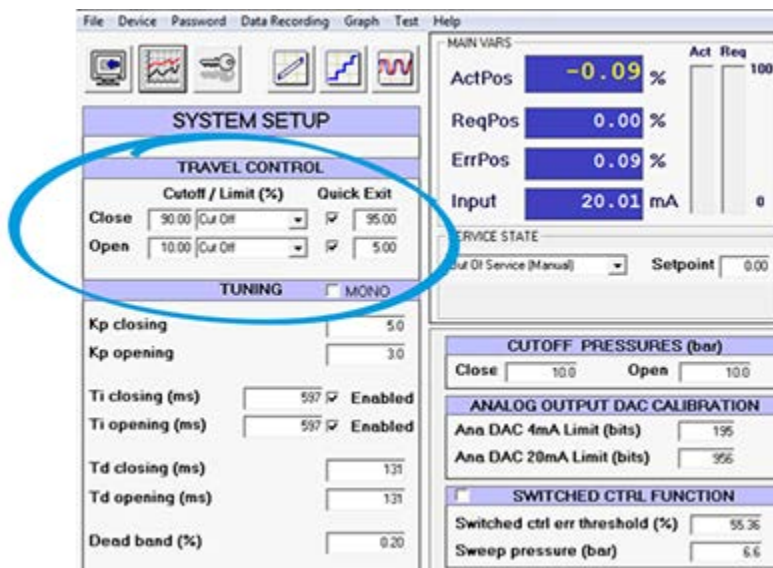
New positioner software tools from IMI STI.

The newly developed Quick Exit (QE) and Pressure Fall Back (PFB) tools are unique offerings in the smart positioner market.

### Quick Exit (QE)

Never looking to stand still, IMI STI are continuously improving their offering to customers the Quick Exit being no exception. Designed to help improve the performance of anti-surge valves, the Quick Exit software tool allows the positioner to be even more reactive when opening the valve from a cut-off position.

The Quick Exit tool means that when the forecast option is enabled on the system, that with any potential opening of the valve the positioner will maintain the valve in a closed and secured position while partially depressurising the actuator's chamber (starting off from cut-off position). This way it is possible to have, if requested, a quicker opening as less air will need to be evacuated.

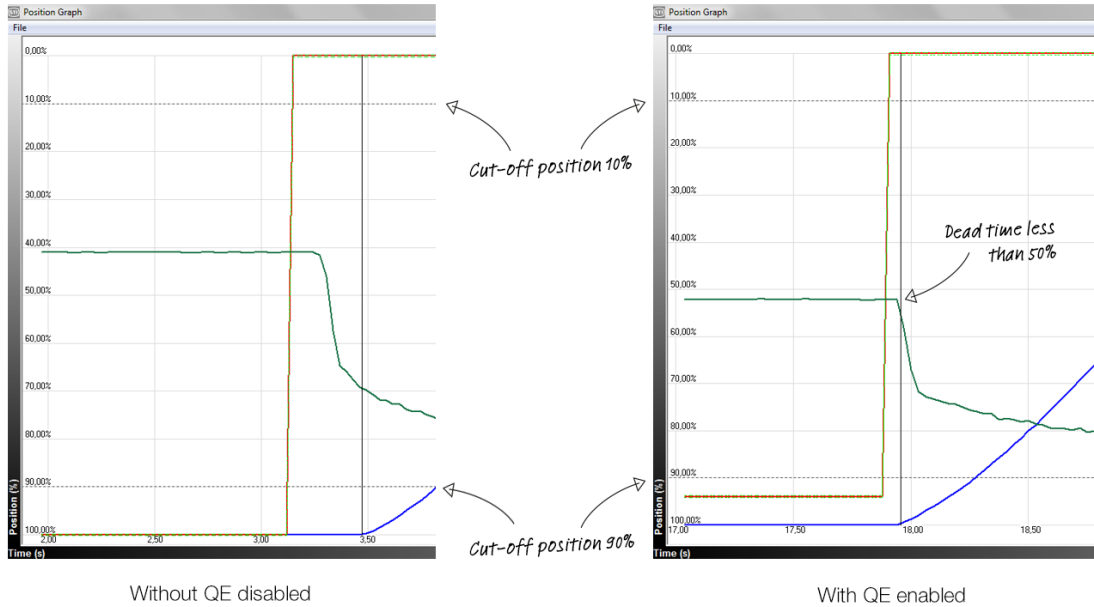


Other notable features include:

- Dead time of less than 50%
- Hysteresis of 0.5%
- Available for FasTrak and QuickTrak positioners.

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### Pressure Fall Back (PFB)

When the Pressure Fall Back (PFB) is enabled, the positioner moves the actuator to the requested position even if the linkage between the positioner and the actuator has been lost.

Therefore, if there is a position error greater than 5% for more than 10 seconds or when the positioner is outside the position range, the positioner reads the pressure value related to the requested position dictated by the offset map. Once this state is reached (or any other pre-determined safety position requested) the mechanical feedback can be adjusted by operators.

This tool is applicable only on spring return actuators. PFB can be used manually or automatically depending upon the need.

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<b>CUTOFF PRESSURES (bar)</b> Open <input type="text"/> Close <input type="text"/>	<b>DP CALIBRATION DATA</b> DP (bar) Offset at ... 10.0% <input type="text"/> 60.0% <input type="text"/> 20.0% <input type="text"/> 70.0% <input type="text"/> 30.0% <input type="text"/> 80.0% <input type="text"/> 40.0% <input type="text"/> 90.0% <input type="text"/> 50.0% <input type="text"/> Set DP 01-00 - DP 00		
<b>ANALOG OUTPUT DAC CALIBRATION</b> Ana DAC 4mA Limit (bits) <input type="text"/> Ana DAC 20mA Limit (bits) <input type="text"/>	<b>Pressure Fall Back</b> - Unknown -		
<b>SWITCHED CTRL FUNCTION</b> Switched ctrl err threshold (%) <input type="text"/> Sweep pressure (bar) <input type="text"/>	Dac 0 bar Cal <input type="text"/>		
<b>PRESSURE SENSORS CALIBRATION</b> Start Calibration <input type="button"/> DP Sensor 0bar	<input type="checkbox"/> DYNAMIC OFFSET MAP BIT		
<b>0-100% POSITION</b> Fail Position <input type="text"/> .. 4mA Position <input type="text"/> ..	<input type="checkbox"/> SPOOL OSCILLATION DETECTION		
ST0 <input type="text"/> ST1 <input type="text"/> ST2 <input type="text"/> ST3 <input type="text"/> <input type="button"/>	<b>UNIVERSAL REQUEST 110</b> REQ110 PARAM <input type="text"/> Refresh <input type="button"/> About REQ110 <input type="button"/>		
STI	CFG	HART	ADV