

Melt Filtration Products LLC

The Standard Time Based Control System:

AutoScreen™ Control System



Controls screen movement via controlled heating at the exit restriction, which softens the tip of the polymer plug formed around the screen and allows it to move at the required speed.

Cabinet NEMA 12 Enclosure

Main power disconnect-through the door operator
230VAC/1PH/60HZ

Unitronics Vision 130 PLC

-(8) Digital Inputs

-(2) Analog/Digital Inputs 4-20ma for inlet/outlet pressure indication

-(2) Type "J" thermocouple inserts; (1) for body heater & (1) for exit heater control

-Transistor output

-(1)Built in RS232/RS485 Port

-(2) 40 Amp solid state relays, 230Vac, 1PH, 60HZ

-(2) Female T/C quick disconnect plugs mounted in the panel
Screen advance triggered by time or by manual advance button

Manual advance reset push button

Through the panel cable strain relief for power cable

OPTION 1: Screen Advance via Inlet Pressure:

- Using a single 4-20ma pressure transducer located on the inlet side
- Through the panel cable strain relief
- Terminals provided inside panel

OPTION 2: Screen Advance via Delta Pressure:

- Using two 4-20ma pressure transducers located on the inlet side and the outlet side
- Through the panel cable strain relief
- Terminals provided inside panel

