

a.) HE 5750 Cleaning controller

The HE 5750 is a master-slave system for large systems consisting of a main control unit and, depending on the system size, up to 32 valve control units that are connected to the master control unit via field bus. Each valve control unit is locally and technically assigned to a filter chamber.

The HE 5750 master control unit can control up to 1024 valves, regulate the damper function and carry out automatic hose rupture monitoring. In addition, the operating data can be stored on a compact flash card in the control unit via data logging.



Technical data			
Supply voltage	24 V DC (18...30 V DC)		
Display	Graphic LC display: 240 × 64 pixel, 133 × 39 mm Colour: green, backlight: LED		
Keyboard	Membrane keyboard, 16 function keys, customer-specific description. Numeric key pad, cursor / control key pad		
Real time clock	Date, time (power failure buffer: approx. 1 year)		
µ Processor	Siemens C167CR		
Memory	256 kByte static RAM · 512 kByte FLASH Data · 512 kByte FLASH Programm · 8 kByte parallel EEPROM		
Inputs (on board)	4 × analogue: 4...20 mA, block galvanically isolated, 8 × digital: 24 V DC galvanically isolated		
Outputs	8 × digital: 24 V DC galvanically isolated. Short-circuit proof		
CAN bus	According to ISO 11898, max. 1 Mbit/s · Spezifikation: 2.0A · Supply: galvanically isolated		
Profibus DP	According to EN 50 170, max. 12 Mbit/s · automatic baud rate recognition · RS 485		
Serial Interface	RS 232 and RS 422 or RS 485 selectable via software, baud rate: max. 38400 bit/s		
Housing	Control panel installation Protection class: front IP54, back IP20		
Dimensions	295 × 200 × 40 mm (W × H × D) Required cut-out: 265 × 170 mm		
Jumper	CAN-BUS termination (bus termination). Must not be done, if termination has already been done externally at the connection.		
Relative Humidity	Permanent 75 %, non-condensing		
Shock Sensivity	DIN 40046 IEC68-2-69		
EMV	EN 61000-6-3 (2007) + A1	EN 61000-6-2 (2005)	
Electrical Connection	Via plug / screw-on terminals (max. diameter 2,5 mm²)		
Climatic environmental conditions	Storage	Operation	Relative humidity
	- 20 °C ... + 70 °C	0 °C ... + 50 °C	permanent 75 % non-condensing
Switch box version	Dimensions	Material	Protection class
	760×760×300 mm (W × H × D)	Steel sheet RAL 7035, powder-coated	IP55 (also higher upon request)

