

HESCH

AUTOMATION PARTNER



VALVE CONTROLLERS

Controllers for all cases



	HE 5711	HE 5721	HE 5722
Maximum number of valves	8	24	24
Of which on the valve expansion	—	12 (optional internal expansion)	—
Visualisation	Valve control and messages via LED	Valve control and messages via LED, differential pressure via 7-segment display	Valve control and differential pressure via 7-segment display and messages via LED
Input system	Potentiometer and keys	Potentiometer and key	
Differential pressure sensor	—	Internal pressure sensor (opt.) measuring ranges: 25, 30, 50 and 100 mbar	Internal pressure sensor measuring ranges: 25, 50, 70, 100 and 500 mbar
Valve function monitoring	—	Electric and pneumatic	
Inputs	Start cleaning / start (post cleaning)	Analogue 0(4) - 20 mA: start or differential pressure 4 x digital: enable / post cleaning / fault acknowledgement / pressure switch	Analogue 0 (4) - 20 mA: differential pressure, 4 x digital: enable / fast dedusting / post cleaning / fault acknowledgement
Outputs	Valve outputs: short-circuit-proof	Option relays: process / fault message, activation of discharge devices or cleaning message / differential pressure alarm	Analogue 0(4) - 20 mA: Differential pressure 3 x relays: operation, fault and cleaning messages configurable via settings
Communication with process control	—		Via inputs a
Service interface	—		USB
Interval control	—	Dependent on differential pressure	
Differential pressure thresholds	—	Upper and lower cleaning threshold / alarm threshold	Upper and lower cleaning threshold / two alarm thresholds
Test functions	Single valve test	Single valve test	Valve tests, display inputs and lamp test
Dimensions (W x H x D)	180 x 130 x 78 mm	180 x 180 x 105 mm	255 x 180 x 100 mm
Special features	Robust small controller, integrated pilot valves possible	Can be adapted to suit requirements with numerous options	Configurable relay signals
Application examples	Bunker top filters, industrial dust extractors	Chippings filter systems, stone dust filters, filters with in	
ATEX Zone 22 suitability	In IP65 casing		Ye

* Master (control panel built-in casing), Slave (standard rail assembly)



HE 5712	HE 5731	HE 5760	HE 5750
8	64	6 chambers each with 24 valves	24 chambers each with 32 valves
—	4 x 16 (max. 4 external expansions)	48 x valve controller HE 5725 each with 12 outputs	32 x valve controller HE 5724 each with 32 outputs
Valve control or differential pressure via 7-segment display and messages via LED		Graphic LC display and messages via LED 128 x 64 pixels, 66 x 33 mm	Graphic LC display and messages via LED 240 x 64 pixels, 133 x 39 mm
Foil keypad			
Internal pressure sensor: 40 mbar / 100 mbar, measuring range: freely scalable up to 40 or 100 mbar	—	External pressure sensor for differential pressure measurement via filter, system- and tank blow air pressure	
Electric		Electric and pneumatic	
3 x digital: start post cleaning / enable	Analogue 4 - 20 mA: differential pressure 3 x digital: start post cleaning / enable	Master: 2 x analogue 4-20 mA: differential and system pressure 5 x digital: local – remote switchover / fault acknowledgement / start / stop / post cleaning Slave: 2 x analogue 4-20 mA: tank pressure	Master: 4 x analogue 4 - 20 mA: differential and system pressure 8 x digital: local – remote switchover / fault acknowledgement / start / stop / post cleaning Slave: 4 x analogue 4 - 20 mA: 2 x tank pressure and 2 x dust
Analogue 4 - 20 mA: differential pressure Relay: operation / fault	Relay: operation / fault Via adapter possible analogue 4 - 20 mA: differential pressure	Master: 4 x digital: operation, cleaning, fault, pulse	Master: 8 x digital: operation, cleaning, fault, pulse, lamp test, central shut-off valve Slave: 2 x digital: shut-off valves
and outputs		Profibus DP / Modbus / Ethernet TCP/IP / Parallel Interface	
USB over adapter HE 5851		USB	RS 232
—		Dependent on differential pressure	Dependent on differential pressure or volume flow
Upper and lower cleaning threshold / two alarm thresholds / post cleaning threshold		Upper and lower cleaning threshold / two alarm thresholds	Upper and lower cleaning threshold / three alarm thresholds
Single valve test		Single valve test, status displays for inputs and outputs, function test digital outputs	
200 x 150 x 80 mm		Master*: 196 x 126 x 40 mm Slave*: 180 x 80 x 70	Master*: 295 x 200 x 40 mm Slave*: 250 x 110 x 60
Intuitive operation, service interface		Versatile and adaptable through numerous functions	Controller for the highest demands with central dust monitoring and flue gas flap control
Increased monitoring requirement, modular filter systems		High capacity industrial filtration plants	
		In IP65 casing	

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