



SEAT Range – Air Flow Monitors and Controllers

SEAT Ventilation offers a comprehensive range of airflow monitors and fume hood controllers designed to maximize safety and efficiency in laboratory environments. Each unit features both audible and visual alarms for immediate hazard detection, while the integrated digital control system ensures precise regulation of face velocity as the sash height changes. By maintaining consistent airflow within set parameters, these variable air volume (VAV) fume hoods not only enhance user protection but also deliver over 60% in energy savings making them a reliable and cost-effective choice for modern lab settings.



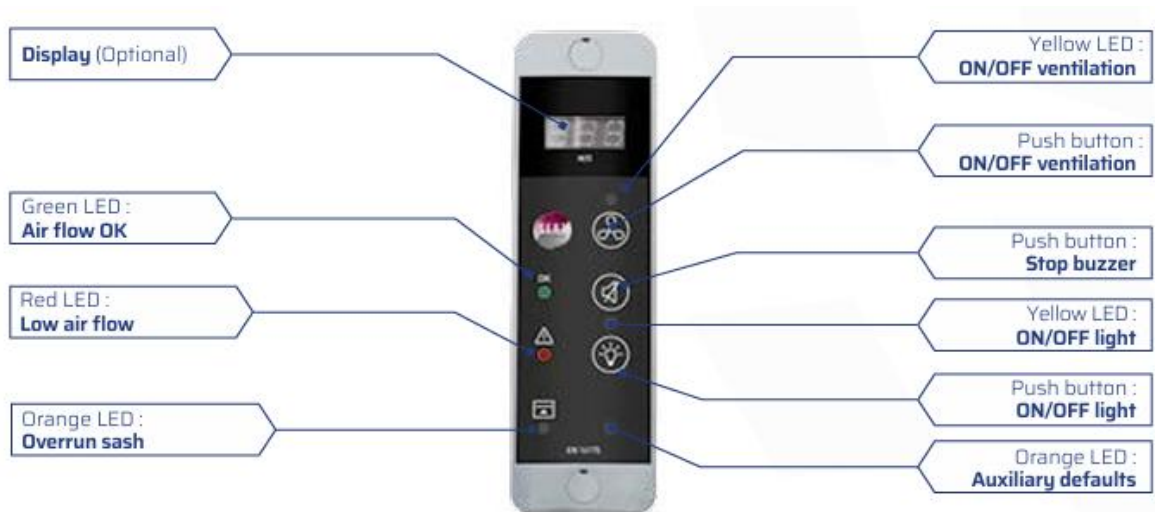
OUR CONTROLLERS

	References	EN14175 Standard	Mounting positions				Audible and visual alarms	Sash overrun indication	Speed probe	Pressure switch	Linear position sensor	0-10 V output	4-20mA or 0-10V output	Ventilation relays	Light relays	Alarm relays	Back-up battery	Number of regulation mode	Auxiliary inputs	Configurable output	MODBUS communication	RJ45 Ethernet	Supervision	HMI Dimensions W x H x L
			Vertical	Horizontal	Vertical + Display	Horizontal + Display																		
Type A remote HMI	819750/819751	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	2	✓	✓	✓	1	1	✗	✗	✗	✗	130 x 40 x 24
Type C remote HMI	819753/819754	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✓	✗	2	✓	✓	✓	1	1	✗	✗	✗	✗	130 x 40 x 24
Type C two speeds remote HMI	819756/819757	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✓	✗	2	✓	✓	✓	1	1	✗	✗	✗	✗	130 x 40 x 24
Type A fully integrated	819700/819701	✓	✓	✓	✓	✗	✓	✓	✓	✗	✗	✗	✗	2	✓	✓	✓	1	1	✗	✗	✗	✗	210 x 75 x 34
Type C fully integrated	819703/819704	✓	✓	✓	✓	✗	✓	✓	✓	✗	✗	✓	✗	2	✓	✓	✓	1	1	✗	✗	✗	✗	210 x 75 x 34
Type C two speeds fully integrated	819706	✓	✓	✓	✓	✗	✓	✓	✓	✗	✗	✓	✗	2	✓	✓	✓	1	1	✗	✗	✗	✗	210 x 75 x 34
CONTROL SEAT	819730	✓	✗	✗	✓	✗	✓	✓	✓	✗	✓	✓	✓	2	✓	✓	✓	10	4	3	✗	✗	✗	115 x 65 x 18
CONTROL E-SEAT	819732	✓	✗	✗	✓	✗	✓	✓	✓	✗	✓	✓	✓	2	✓	✓	✓	10	4	3	✓	✗	✗	115 x 65 x 18
L.COM E-SEAT	819733	✓	✗	✗	✓	✗	✓	✗	✗	✓	✗	✓	✓	2	✓	✓	✓	3	4	3	✓	✗	✗	115 x 65 x 18
CAPTUR E-SEAT	819736	✓	✗	✗	✓	✗	✓	✓	✗	✗	✗	✓	✓	2	✓	✓	✓	1	4	3	✓	✓	✓	115 x 65 x 18
Storage controller	819696	✗	✓	✓	✗	✗	✓	✗	✓	✗	✗	✗	✗	1	✓	✓	✓	1	1	✗	✗	✗	✗	210 x 75 x 34
Cabinet controller	819697	✗	✗	✗	✗	✓	✓	✗	✓	✗	✗	✗	✗	1	✓	✓	✓	1	1	✗	✗	✗	✗	210 x 75 x 34

✓ Available ✓ Available on request ✗ Unavailable

Models and Specifications

Remote HMI Controllers		
Models	Key Features	Options
Type A	- Integrated face velocity speed sensor - Visual and audible alarms - On-site calibration and adjustments - Compact design - Pre-calibrated to 0.5 m/s, compliant with EN 14175 standards - Controls fan operation and airflow safety	- Vertical or horizontal mounting configuration - Digital display version (shows velocity in m/s) - Battery-operated option - Alarm relay integration - Temperature sensor - Night setback feature - Speed sensor with 5-meter wire
Type C	- Safety device for PID-controlled ventilation - Maintains set face velocity regardless of sash height - Visual and audible alarms - On-site adjustments - Energy-efficient - Flexible fan control - Low-noise operation - Pre-calibrated to 0.5 m/s, compliant with EN 14175 standards	- Vertical or horizontal mounting configuration - Digital display version (shows velocity in m/s) - Battery-operated option - Alarm relay integration - Temperature sensor - Night setback feature - Speed sensor with 5-meter wire
Type C 2-Speed	- Safety device for regulating fume hood airflow based on sash position - Switch-activated control shifts between low and high speed settings - Visual and audible alarms - On-site adjustments - Immediate response to sash movement ensures optimal airflow stability - Noise reduction - Energy-saving - Compliant with EN 14175 standards	- Vertical or horizontal mounting configuration - Digital display version (shows velocity in m/s) - Battery-operated option - Alarm relay integration - Temperature sensor - Night setback feature - Speed sensor with 5-meter wire



Models and Specifications

Fully Integrated Controllers		
Models	Key Features	Options
Type A	• Face velocity speed sensor Provides • Visual and audible alerts • On-site calibration and adjustments • Fully compliant with EN 14175 standards	• Vertical or horizontal mounting configuration • Digital display version (shows velocity in m/s) • Battery-operated option • Alarm relay integration • Temperature sensor • Night setback feature • Speed sensor with 5-meter wire
Type C	• Uses a precise PID controller • Maintains set airflow regardless of sash height • Visual and audible alarms • On-site adjustments • Energy-saving design • Flexible fan speed settings • Low-noise performance • Pre-calibrated to 0.5 m/s • Fully compliant with EN 14175 standards	• Vertical or horizontal mounting configuration • Digital display version (shows velocity in m/s) • Battery-operated option • Alarm relay integration • Temperature sensor • Night setback feature • Speed sensor with 5-meter wire
Type C 2-Speed	• Regulates airflow based on low/high speed settings triggered by sash position • Speed shift activated via switch embedded along the sash path • Visual and audible alarms • On-site adjustments • Instantaneous flow rate change • High flow rate stability • Energy-efficient performance • Low-noise operation • Compliant with EN 14175 standards	• Vertical or horizontal mounting configuration • Digital display version (shows velocity in m/s) • Battery-operated option • Alarm relay integration • Temperature sensor • Night setback feature • Speed sensor with 5-meter wire



Models and Specifications

Fully Integrated Controllers

Models	Key Features	Options
Control SEAT	• Uses intelligent regulation • Maintains preset airflow regardless of sash position • Visual and audible alarms • Compact remote • On-site control and adjustments • Digital display • Energy-efficient • Flexible fan control • Low air velocity and reduced noise • Pre-calibrated to 0.5 m/s • EN 14175 compliant	• Temperature sensor • Night setback mode • Linear position sensor • Speed sensor with 5 m cable • Configurable dry contact inputs (up to 4) • Support functions like emergency stop, reduced flow, priority speed, second speed • Integrate additional sensors for controlling light, ventilation, or alarms • Additional configurable relay outputs (up to 3) • Relay specs: NO 250V / 0.3A • Control solenoid valves, inverters, motors, etc. • Operable via HMI buttons, inputs, or sash height sensors

