



Suspended ceiling
air curtain

Econ-C



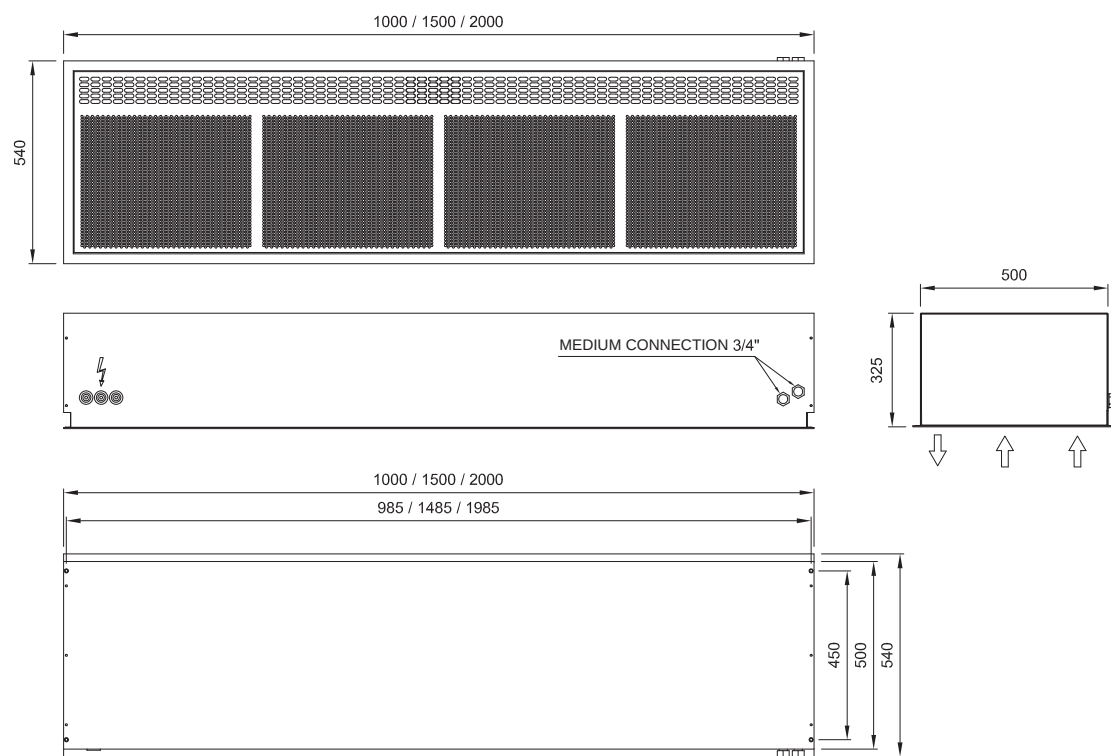
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Description

Econ-C is an air curtain intended for ceiling mounting. Standard dimensional range and simple version determines Econ-C for applications in individual shops in the shopping centres, in boutiques, restaurants, banks or hotels. Control facility is secured by a control with accurate processor system for maximal comfort operating. Main advantages of air curtains Econ-C are price availability, fast and easy mounting, low noise level, used materials and components of high quality and also small dimensions of the unit.

To already full facilities of air curtains it is possible to use wide range of accessories, at water heated version is a possibility of heating capacity regulation by a valve, at electric version is a possibility of electric heater selection from several alternatives.



Technical data:		Econ C 100 S	Econ C 150 S	Econ C 200 S	Econ C 100 W	Econ C 150 W	Econ C 200 W
Air curtain length	mm	1000	1500	2000	1000	1500	2000
Air volume	m ³ /h	2150	3100	4400	2000	3000	4300
Heating capacity 80/60 °C	kW	-	-	-	11,5	20	28,7
	kPa	-	-	-	1,8	6,8	5,8
	l/hod	-	-	-	0,5	0,9	1,2
Heating capacity 60/40 °C	kW	-	-	-	6,1	11,3	16,2
	kPa	-	-	-	0,6	2,6	2,2
	l/hod	-	-	-	0,3	0,5	0,7
Unit voltage	V	230 V	230 V	230 V	230 V	230 V	230 V
	W	540	810	1080	540	810	1080
	A	2,4	3,6	4,8	2,4	3,6	4,8
Motor degree of protection	IP	22	22	22	22	22	22
Control		Econ	Econ	Econ	Econ	Econ	Econ
Noise level	dB (A)**	56	58	59	56	58	59
Weight	kg	29	43	52	41	62	79

Technical data:		Econ C 100 E5 E7,5 W10	Econ C 150 E10 E12,5 E15 E17,5	Econ C 200 E10, E12,5 E15 E17,5 E20
Air curtain length	mm	1000	1500	2000
Air volume	m ³ /h	2100	3050	4300
Heating capacity electric	5 kW		10 kW	10 kW
	7,5 kW		12,5 kW	12,5 kW
	10 kW		15 kW	15 kW
Grades of electric heater	17,5 kW		17,5 kW	17,5 kW
	20 kW			20 kW
Unit voltage	V	400 V	400 V	400 V
	W	540	810	1080
	A	2,4	3,6	4,8
Motor degree of protection	IP	22	22	22
Control		Econ	Econ	Econ
Noise level	dB (A)**	56	58	59
Weight	kg	36	55	69

*) heating capacity based on 18 °C air inlet temperature **) acoustic pressure dB(A) measured at a distance of 3m

Accessories for Econ-C air curtains

Valve: according to the customer's request it is possible to deliver 2-way or 3-way-valve. Control head of the valve can be either self-acting (thermostatic) or electrothermic. Electrothermic head of the valve must be connected into the electronic placed in the unit and it is necessary to connect the thermostat. All valves are delivered as loose – uninbuilt, due to space reasons.

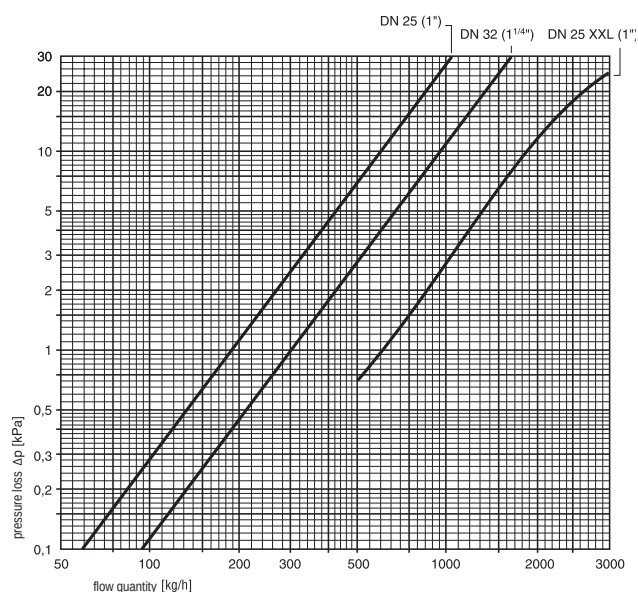
2-way-valve	$k_v \cdot t$ value	allowed running temperature [°C]	allowed running pressure [bar]	allowed pressure difference p [bar]
DN 25 (1")	2,5	120	10	0,25
DN 32 (5/4")	3,8	120	10	0,25
DN 25 XXL (1")*	4,3	120	16	0,20

* high flow valve

** for DN23, 32 valid for [K] 3.0; for DN25 XXL valid for [K] 6.0



Room thermostat: 230V wall mounting, version TP1 or TP2 with a switch (delivered loose)
picture – Thermostat.



Door contact: 24 V, DKM or DKMG

DKM - mechanical door contact

DKMG - magnetical door contact

Outlet thermostat:

230V, mounting into the unit, the capillary is placed in the outlet space, the thermostat is delivered loose

Control: Econ

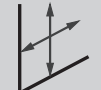
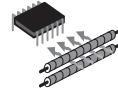
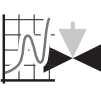
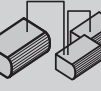
Control description: the control is intended for fan and heater regulation (water heated and also electric) with connection possibility of external elements (door contact, room or outlet thermostat). For electric versions is a part of the electronic in the unit a protection against heater overheating with an automatic fan delay.

Dimensions: 71 x 71 x 25

The control is intended only for wall mounting. IP 20

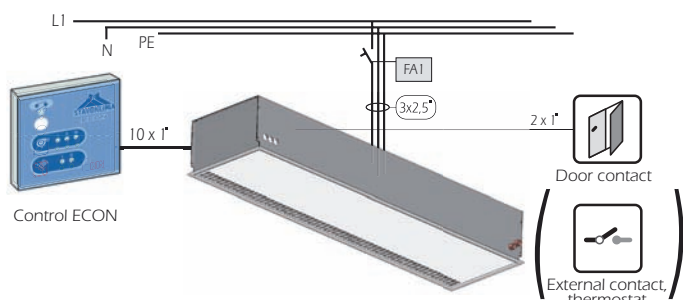


Econ control functions:

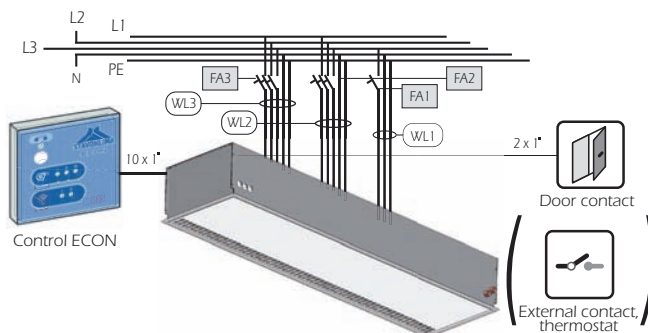
	Free potential door contact incl. adjustable delay of the unit	standard		Small control dimensions, wall mounting, ergonomic design	standard
	Processor control of the unit against overheating of the electro heater	standard		Possibility of electrothermic valve control	standard
	Room thermostat, control via external remote contact	standard		Chaining possibility in the system Master/Slave	is not possible

Schema, Order key

Water heated air curtains – diagram



Electric air curtains – diagram



Order key:

Econ-C - 100 - W

100; 150; 200
100 - unit length 1000mm
150 - unit length 1500mm
200 - unit length 2000mm

W
S - heat exchanger 80/60°C event. 60/40°C
S - ambient unit without heater
E 5 - electric heater 400V - 5kW; unit length 1000mm
E 7,5 - electric heater 400V - 7,5kW; unit length 1000mm
E 10 - electric heater 400V - 10kW; unit length 1500mm
E 10 - electric heater 400V - 10kW; unit length 1000 a 2000mm
E 12,5 - electric heater 400V - 12,5kW; unit length 1500mm
E 15 - electric heater 400V - 15kW; unit length 1500mm
E 17,5 - electric heater 400V - 17,5kW; unit length 2000mm
E 10 - electric heater 400V - 10kW; unit length 2000mm
E 12,5 - electric heater 400V - 12,5kW; unit length 2000mm
E 15 - electric heater 400V - 15kW; unit length 2000mm
E 17,5 - electric heater 400V - 17,5kW; unit length 2000mm
E 20 - electric heater 400V - 20kW; unit length 2000mm

Tablet of cables and protection for water heated models

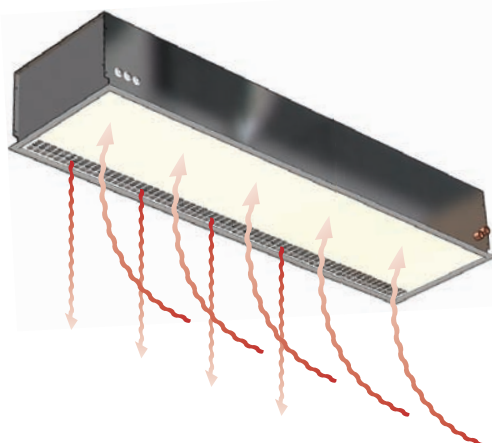
FA1	1 X 10A/C	WL1	3Cx 1,5 (2,5)
FA2	See tablet. EO	WL2	See tablet. EO
FA3	See tablet. EO	WL3	See tablet. EO

Tablet of cables and protection for electric heated models

	Electric heater	cable (WL2)	circuit breaker (FA2)	cable (WL3)	circuit breaker (FA3)
Curtain 100	5 kw	5Cx4	3x16A/B	5Cx4	3x16A/B
	7,5 kw	5Cx4	3x16A/B	5Cx4	3x16A/B
	10 kw	5Cx4	3x16A/B	5Cx4	3x16A/B
Curtain 150	10 kw	5Cx4	3x16A/B	5Cx4	3x16A/B
	12,5 kw	5Cx4	3x16A/B	5Cx4	3x16A/B
	15 kw	5Cx4	3x16A/B	5Cx4	3x16A/B
Curtain 200	17,5 kw	5Cx4	3x16A/B	5Cx6	3x32A/B
	10 kw	5Cx4	3x16A/B	5Cx4	3x16A/B
	12,5 kw	5Cx4	3x16A/B	5Cx4	3x16A/B
	15 kw	5Cx4	3x16A/B	5Cx4	3x16A/B
	17,5 kw	5Cx4	3x16A/B	5Cx6	3x32A/B
	20 kw	5Cx4	3x16A/B	5Cx6	3x32A/B

Accessories:

- ◆ Flexible tubes
- ◆ Thermostatic valve
- ◆ Ceiling suspensions



Representative: