

HEATING | COOLING | VENTILATION

NOUVEAULINE®

Energy-efficient designer Air Curtain with optimised
Jetflow Nozzle & EMC fans


Versatile

HEATING, COOLING & VENTILATION

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Technical Data > *Nouveauline*

Model	Length of unit	Air quantity	Heat output at PWW 80/60 C	Water volume resistance	Heat output at PWW 60/40 C	Water pipe resistance	Water connections	Output of electric heating at 400V kW	Electric connections, fans,			Sound level min/max	Weight kg
	mm	m ³ /h	kW	kPa	kW	kPa	female thread		Volt 50Hz	kW	A	dB(A)*	

Nouveauline S Recommended blowout height max. 2.30 m

S 1	1000	1200	7,50	7,20	6,50	2,50	2 x 3/4"	–	230	0,26	1,20	40/53	45
S 1,5	1500	1800	11,30	3,40	10,00	10,70	2 x 3/4"	–	230	0,39	1,80	40/54	76
S 2	2000	2400	15,10	8,00	14,10	4,30	2 x 3/4"	–	230	0,52	2,40	40/55	106
S 2.5	2500	3000	18,80	3,00	18,70	7,30	2 x 3/4"	–	230	0,65	3,00	40/56	135

Nouveauline M Recommended blowout height max. 2.70 m

M 1	1000	1800	11,30	5,20	9,70	6,30	2 x 3/4"	–	230	0,29	1,40	40/54	47
M 1,5	1500	2700	15,70	3,60	13,30	7,90	2 x 3/4"	–	230	0,44	2,10	40/55	78
M 2	2000	3600	22,60	10,00	20,80	7,80	2 x 3/4"	–	230	0,59	2,80	40/56	108
M 2,5	2500	4500	27,60	4,80	24,10	5,80	2 x 3/4"	–	230	0,74	3,50	40/57	140

Nouveauline L Recommended blowout height max. 3.00 m

L 1	1000	2700	15,50	2,27	10,80	7,80	2 x 3/4"	–	230	0,44	2,10	40/55	50
L 1,5	1500	3600	22,60	7,30	18,10	14,40	2 x 3/4"	–	230	0,59	2,80	40/56	80
L 2	2000	5400	33,50	5,50	26,10	12,20	2 x 3/4"	–	230	0,74	3,50	40/57	110
L 2,5	2500	6300	39,60	7,50	32,60	10,30	2 x 3/4"	–	230	1,03	4,90	40/58	142

* Measured in 3 metres distance

Subject to technical alterations

** *LSA air curtains are delivered for heat exchangers PWW 80/60° C or 60/40° C and an intake air temperature of +20° C. It is not necessary for the air curtain to heat the boiler up to 80° C or 90° C for lower temperatures (PWW 60/40° C). The LSA air curtain also works excellently in the early or late season. Installing a thermostat limits the blowout temperature and thus adjusts the needed amount of energy to the amount of air.*

Jetflow nozzle

- energy saving up to 40%
- continuously and perfectly adjustable
- low noise development

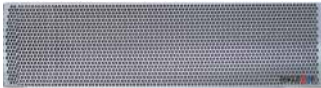


Type: **Nouveauline** S/M/L

> **Nouveauline** length dimensions



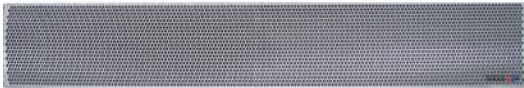
1.000 mm



1.500 mm



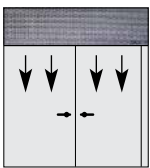
2.000 mm



2.500 mm

Measured **without** side covers .

> **Nouveauline** height



> **Nouveauline** description

Nouveauline designer air curtain is built with self supporting sheet steel, with concealed fixing knock on corners for an elegant looking finish. The standard modern colour is a white aluminium (RAL 9006), other RAL colours are available on request. Access door for maintenance opens together with the intake grille downwards. Outlet grille with 5 steps adjustable aluminium vane (anodized) for optimal air distribution. Inlet grilles made of 3D perforated plate for filterless and easy to maintain operation. Vibrationfree bedded centrifugal fans with external thermostat relays for motor protection. Threaded hole M8 for ceiling mounting. Jetflow nozzle multiple adjustable, for a low noise development - better protection of the air flow in certain situations, continuously adjustable exhaust angle and exhaust opening.

Vibration-free bedded EMC radial fans, separately powered, with motor overload protection unit. Threaded hole M 8 for ceiling mounting.

> **Nouveauline**

The electronic 5-level standard control panel Tronic EC with serially fitted manual/auto function, summer/winter function and contacts for additional external signallers. It is possible to shunt up to 12 devices. The electronic standard control panel Tronic E form electrical heating features a contact for connection a room thermostat to it. 5 fan speeds output, 3-level heater performance. Multiple control is not possible.

Both panels feature a potential free contact (for external release), which can be connected to any GLT or DDC. Included in delivery is a 20 m shielded data cable with integrally moulded plug (other lengths are available upon request).

For energy saving reasons, a thermostatic 2-way or 3-way valve can be ordered as a reasonable accessoire to keep the intake air temperature on an even level. It is delivered as loose enclosure and can be fitted easily by the customer.

Others than the given lengths are possible.

LSA air curtain with short deliverytime.

EMC fans with interior speed controller - without condenser and without transformer. 85% degree of efficiency (20% better than conventional fans). In consequence of using EMC technology the operating costs will be reduced.

> **Nouveauline** standard available colour:



RAL 9006
(White Aluminium)

Other RAL colours available on request

Correction Factors

> Energy Saving

Versatile advocate the use of low water temperature for energy saving. Our standard outputs are based on flow and return of 60/40.

**** LSA air curtains are supplied for a warm water supply with a temperature of 60°C and a return temperature of 40°C, inlet temperature +20°C. It is not necessary to supply the air curtain with other heat exchangers. See conversion table for other water temperature supplies and example below.**

T° Water °C	T°air		
	+15°C	+18°C	+20°C
100/80	2.77	2.65	2.56
90/70	2.38	2.25	2.17
80/60	1.98	1.86	1.78
70/50	1.58	1.46	1.38
60/40	1.20	1.08	1.00
55/35	1.00	0.89	0.80

> Example

The Effect M 2000 P60/40 gives 20.8kW with an air inlet temperature of 20°C. If the system gives water temperatures of 90°/70°C then the factor is 2.17. The capacity will become $2.17 \times 20.8 = 45.14\text{kW}$.

