

Series: **UNI-BOX**

Model: **BNP**

Execution: For pre-filters and activated carbon cartridges with dimensions:
Ø 140 mm – L 400 mm



Duct housing for cylindrical cartridges with activated carbon and pre-filters

Symbols		M.U.
A_m	Average synthetic dust weight arrestance	%
E_m	Average efficiency for 0,4 µm particles	%
E_i	Initial fractional efficiency	%
E	Filtration efficiency	%
Δp	Pressure drop	Pa
q_v	Nominal air flow	m ³ /h, m ³ /h
v_f	Face velocity	m/s
DHC	Dust holding capacity	g
MPPS	Most penetrating particle size	µm

Technical specification:

Duct filter housings in galvanized steel with connection flanges, inspection doors, plate with holes for the fitting of cylindrical cartridges with activated carbon.

Dimensions BxHxD mm
 Air flow m³/h, m³/s
 Series
 Model
 Manufacturer

General characteristics:

The **BNP** duct filter housings of the **UNI-BOX** series thanks to their modularity, versatility and easy installation, can be used in plants where the adsorption of odours is required.

Material:

Structure in galvanized steel with pre-drilled connection flanges and support plate. The model BNP-X in stainless steel is available.

Inspection:

Side door for the replacement of the filter elements
 Door locking by handles

Filter clamping:

The filter cartridges complete with gasket are provided with pins to be fitted in the holes of the plate. The anticlockwise rotation guarantees the tightness.
 A U guide is provided for the lateral installation of the pre-filter.

Filters:

The duct housings are supplied without the filter elements. The pre-filters with depth 48 mm of the series WLP and filter cartridges with depth 400 mm series P-CARB installed on plates with dimensions 305x610 mm and 610x610 mm, can be used.


Installation:

The housing can be connected to the duct of the aeraulic system only with horizontal air flow.

Applications:

Air filtration and extraction from environments with special applications, kitchens, roast meat shops, laboratories, painting booths etc. where odours and gaseous pollutants are present.

Active Carbon Filter



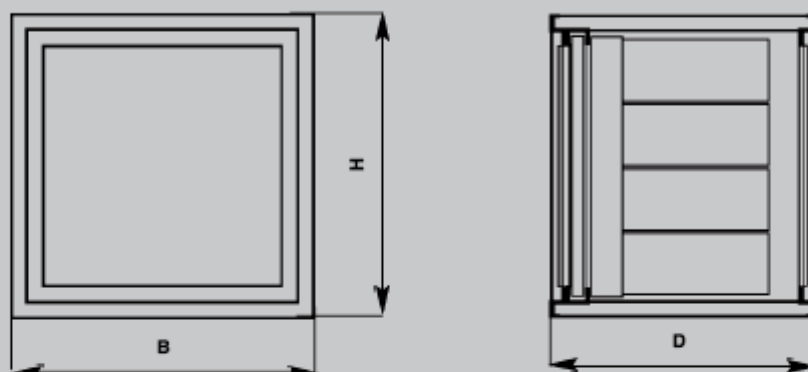
FILTERS
division














Series **UNI-BOX**
Model **BNP**

Technical data

Model	BNP	BNP-X
Material	Galvanised steel	Stainless steel
Application	For cartridges with activated carbon	For cartridges with activated carbon

Dimensional data





Model/Type	Dimensions BxHxD mm	Cartridges n°	*q _v		Module	Weight** kg
			m³/h Min+Max	m³/s Min+Max		
BNP 1224	685x382x700	6	1000 ÷ 1500	0,28 ÷ 0,42		36
		8	1250 ÷ 1850	0,35 ÷ 0,51		
BNP 2424	685x685x700	12	2000 ÷ 3000	0,56 ÷ 0,83		44
		16	2500 ÷ 3700	0,69 ÷ 1,03		
BNP 2436	990x685x700	18	3000 ÷ 4500	0,83 ÷ 1,25		62
		24	4000 ÷ 6000	1,11 ÷ 1,67		
BNP 2448	1297x685x700	32	5000 ÷ 7400	1,39 ÷ 2,06		70
BNP 4824	685x1347x700	32	5000 ÷ 7400	1,39 ÷ 2,06		72
BNP 4836	990x1347x700	36	6000 ÷ 9000	1,67 ÷ 2,50		104
		48	8000 ÷ 12000	2,22 ÷ 3,33		
BNP 4848	1297x1347x700	64	10000 ÷ 14800	2,78 ÷ 4,11		118
BNP 4872	1907x1347x700	96	16000 ÷ 24000	4,44 ÷ 6,67		151
BNP 7272	1907x2002x700	144	24000 ÷ 36000	6,67 ÷ 10,00		194

*Minimum and maximum air flows referred only to the activated carbon stage and they can change in accordance with the quantity and the specific pollutants to be filtered

**Filters excluded

Filter dimensions

 610x305 mm

 610x610 mm