

## Description and application

Field intake louvres are mostly used in installations with ground heat exchanger, they are designed to take fresh air from the outside to the inside of the installation. Usually they are located away from the buildings, the street, so as to limit get polluted air (field intake louvre can be equipped with filter class UE4). CT can be used as a substitute for roof intake louvre or external intake louvre when the construction of the building or elevation does not allow for the installation of such element. It is possible use of CT as a roof element as a function of intake and the exhaust louvre. Air intake louvre in free standing- field version should have holes at the height of a minimum of 0,6 m. from the ground level. In places where it may be a large amount of precipitation, the amount of this should be increased to 1,0-1,5m.

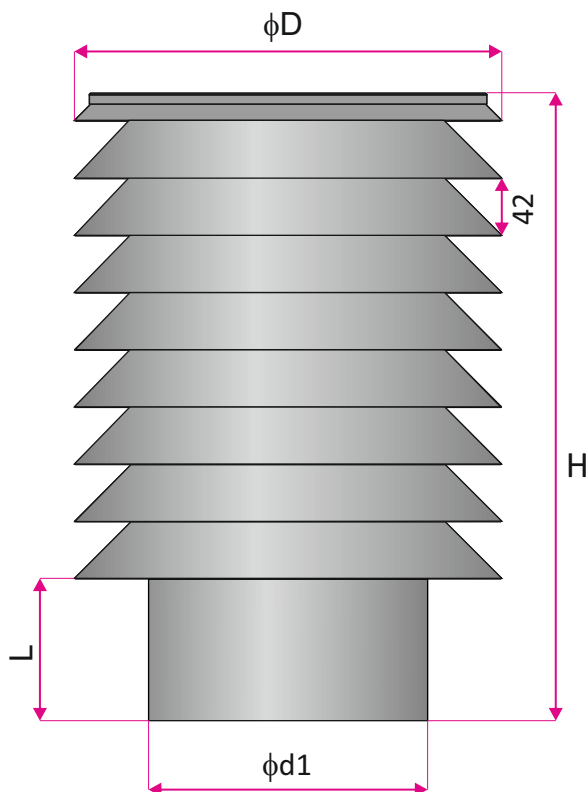
## Material and workmanship

Louvres are made of galvanized steel powder coated standard in colour RAL 9006. On request it is possible to make a special field intake louvres of aluminum and stainless steel and powder coated to any RAL color.

Louvre can be made also with the filter. We reserve the right to make technical changes and additions.

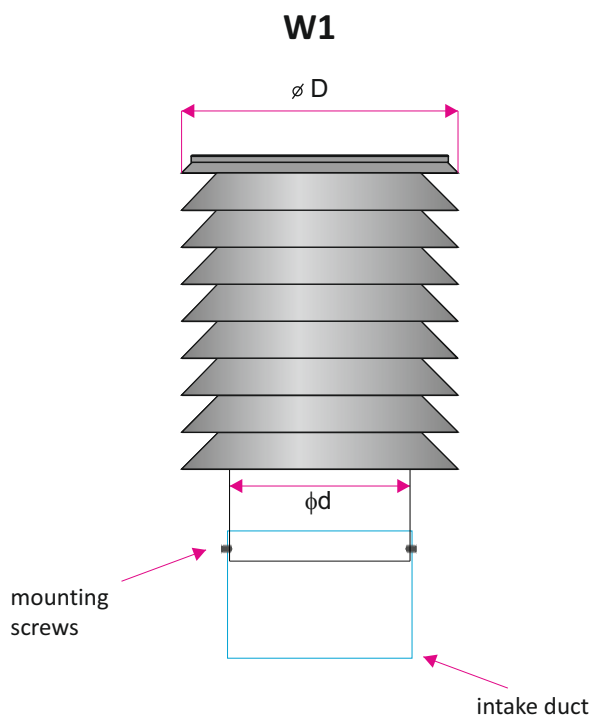
## Size

Field intake louvres are manufactured to order. Examples dimensions of the intake louvre are given in the table. According to the method of installation size  $\phi d1$  can have other values, such as the diameter of a light type is produced at +5mm, in order to put her free on intake duct. When mounting using mounting flanges (heavy type) dimensions  $\phi d1$  intake louvre is equal to the dimension of the inlet duct. Mounting flanges are recommended for the size from fi 400.

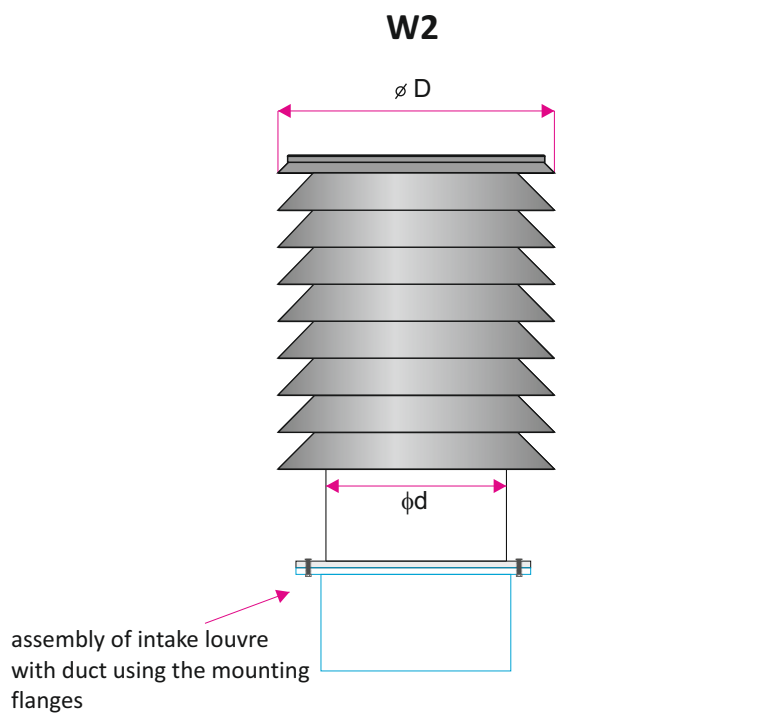


Size $\phi d$	$\phi d1$	$\phi D$	H total	L	Net free area
mm					m <sup>2</sup>
160	165	274	440	230	0,128
200	205	314	482	230	0,157
250	255	364	524	230	0,185
315	320	429	524	230	0,233
400	405	514	650	230	0,271
500	500	614	772	310	0,299
630	630	744	982	310	0,442
800	800	914	1192	310	0,585
1000	1000	1114	1444	310	0,756

## Methods of mounting



**Light type** - assembly visible with screws  
(louvres fitted onto duct)  
Applies to dimensions from fi160 to fi400



**Heavy type** - assembly visible using mounting flanges  
Applies to dimensions from fi500

## The method of placing an order

Please make orders according to the following formula:

**CT / ' $\varnothing d$ ' / 'RAL' / 'M' / 'W'**

' $\varnothing d$ ' diameter field intake louvre **160, 200, 250, 315, 400, 500, 630, 800, 1000...**  
 'RAL' louvre color according to RAL palette  
 'M' - material:  
   **OC** -galvanized steel\*  
   **AL** - aluminum  
   **KO** - stainless steel / acid proof steel (type 1.4301 or 1.4404)  
 'W' mounting option:  
   **W1** - Light type -louvres fitted onto duct  
   **W2** - Heavy type - assembly visible using mounting flanges

\* - If you don't give the information will be used standard parameters.