

Description and application

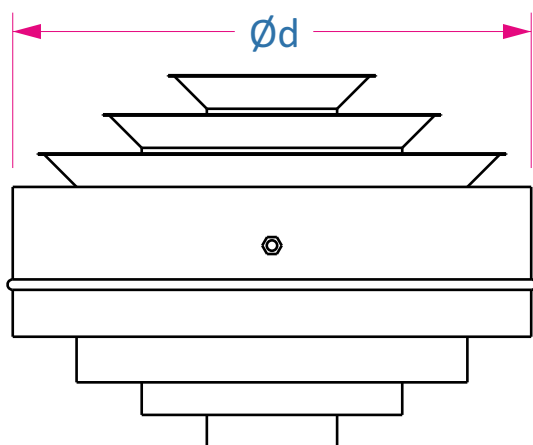
Long-range diffusers are intended for ventilation and air conditioning systems in general construction facilities, such as: multi-functional halls, sports halls, swimming pools, theater halls, concert halls, museums, exhibition halls, shopping centers. They are also used in industrial facilities, e.g. in high-bay warehouses or hallsproduction. The diffusers are mounted directly on the ventilation ducts. The dispersion or concentration of the streamsupply can be obtained by turning the element by 180 °. NWO-10 can be mounted in the wall or ceiling.

Material and workmanship

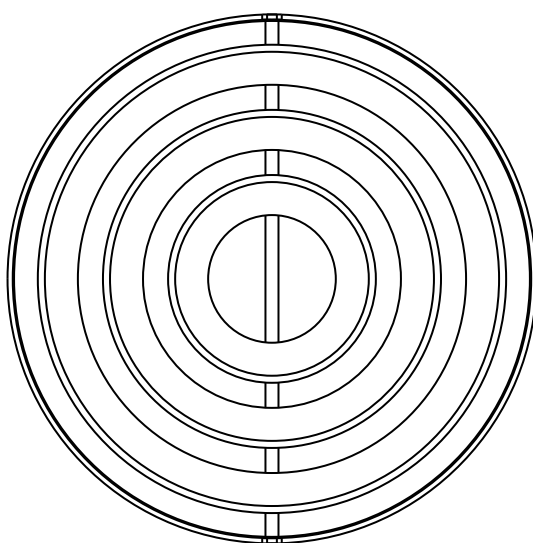
The diffusers are available in three material variants: galvanized steel powder coated, aluminum powder coated and stainless steel (grade 1.4301 or 1.4404). It is possible to varnish in any color from the RAL palette. Inner ringsare set individually, which allows to obtain the necessary airflow direction, depending on the nature of the distributionair.

Size

Long-range diffusers are adapted to standard dimensions of ventilation ducts.

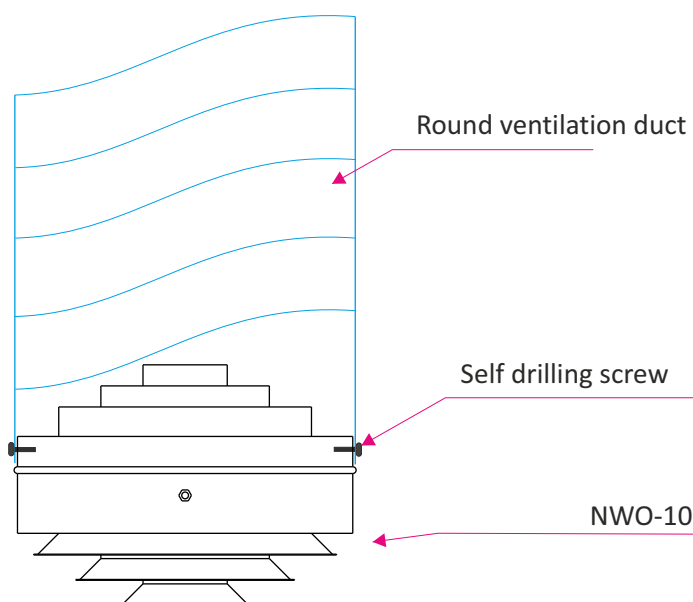


Size	Ød
400	395
500	495



Method of mounting

Long-range diffusers NWO-10 can be mounted directly in the round duct with self-drilling screws or rivets.



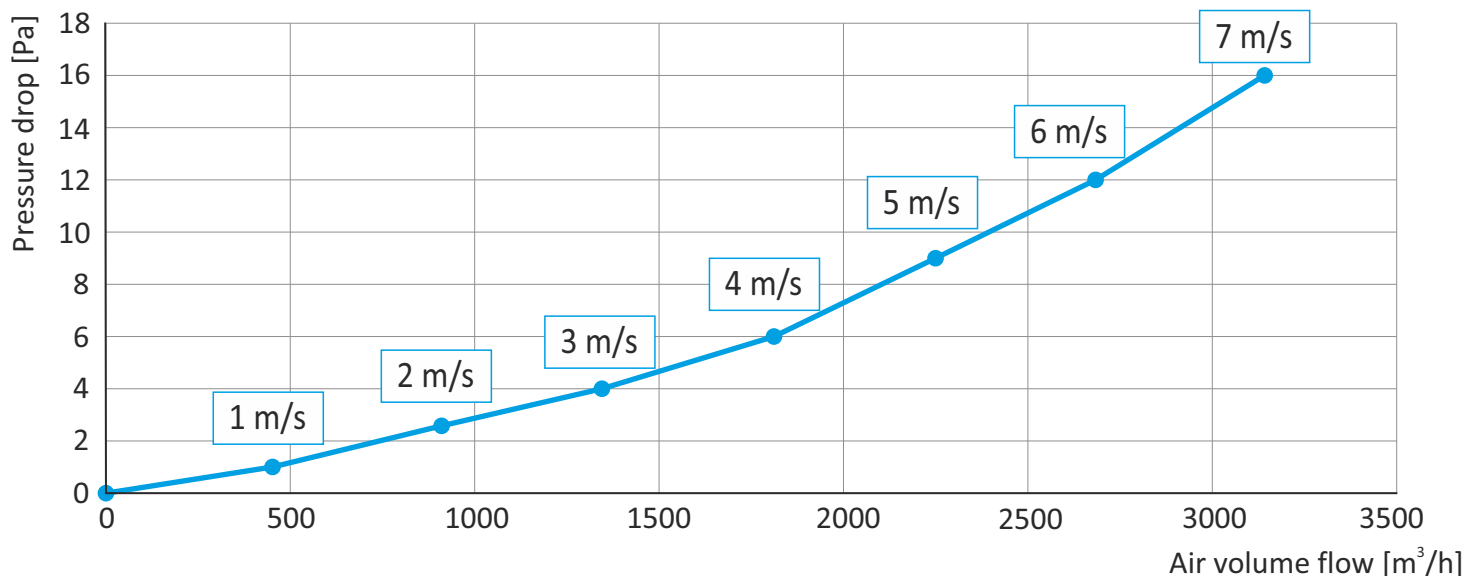
* The manufacturer reserves the right to introduce design changes.

Technical data

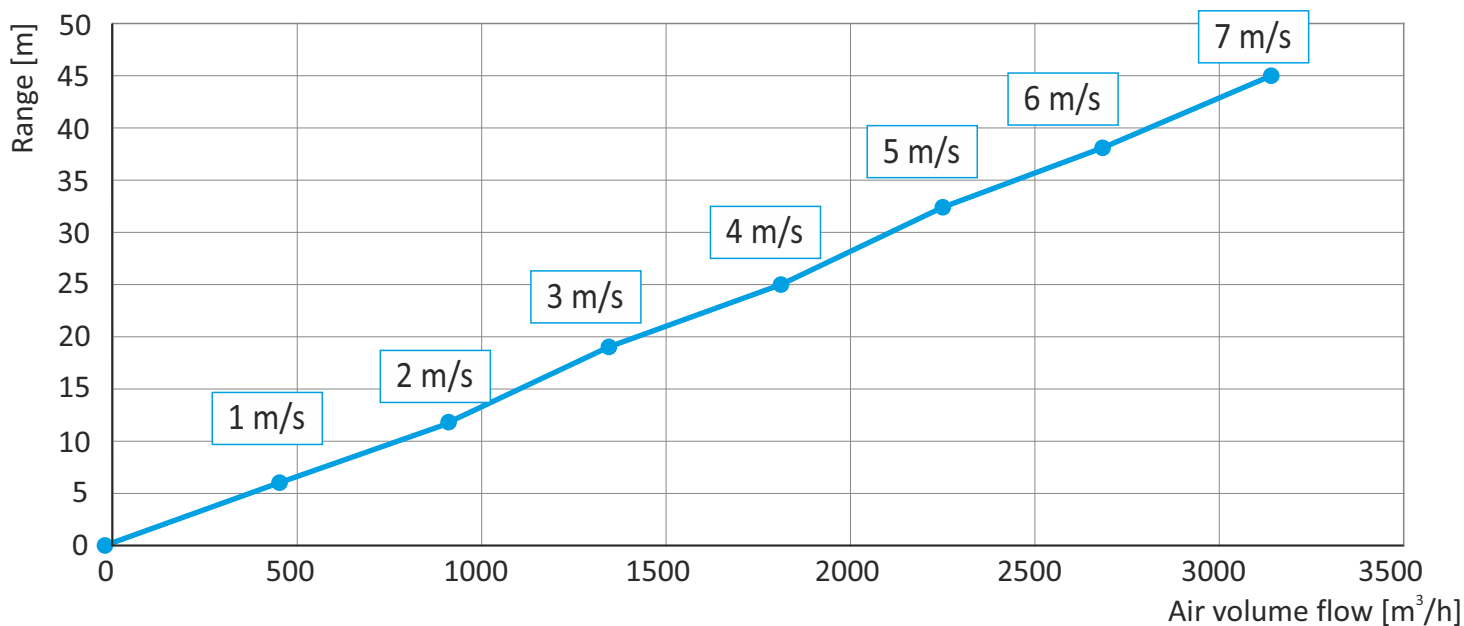
Ø400

Air velocity in the duct (m/s)	Air volume flow (m ³ /h)	Pressure drop (Pa)	Range (m)
0	0	0	0
1	452	1	6
2	904	2,5	12
3	1356	4	19
4	1809	6	25
5	2261	9	32
6	2713	12	38
7	3165	16	45

Graph of pressure loss [Pa] as a function of air efficiency [m³ / h]



Range diagram [m] as a function of air efficiency [m³ / h]



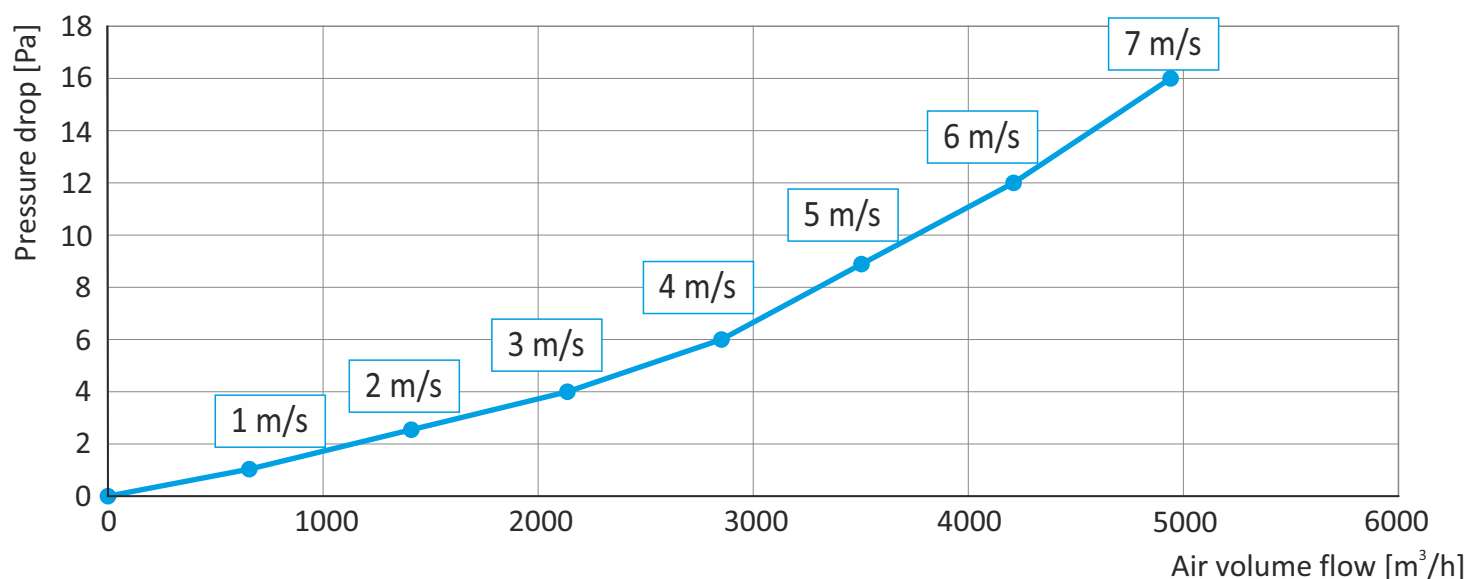
Blue points on the graph additionally indicate the values of air velocity in the intake duct [m / s]

Technical data

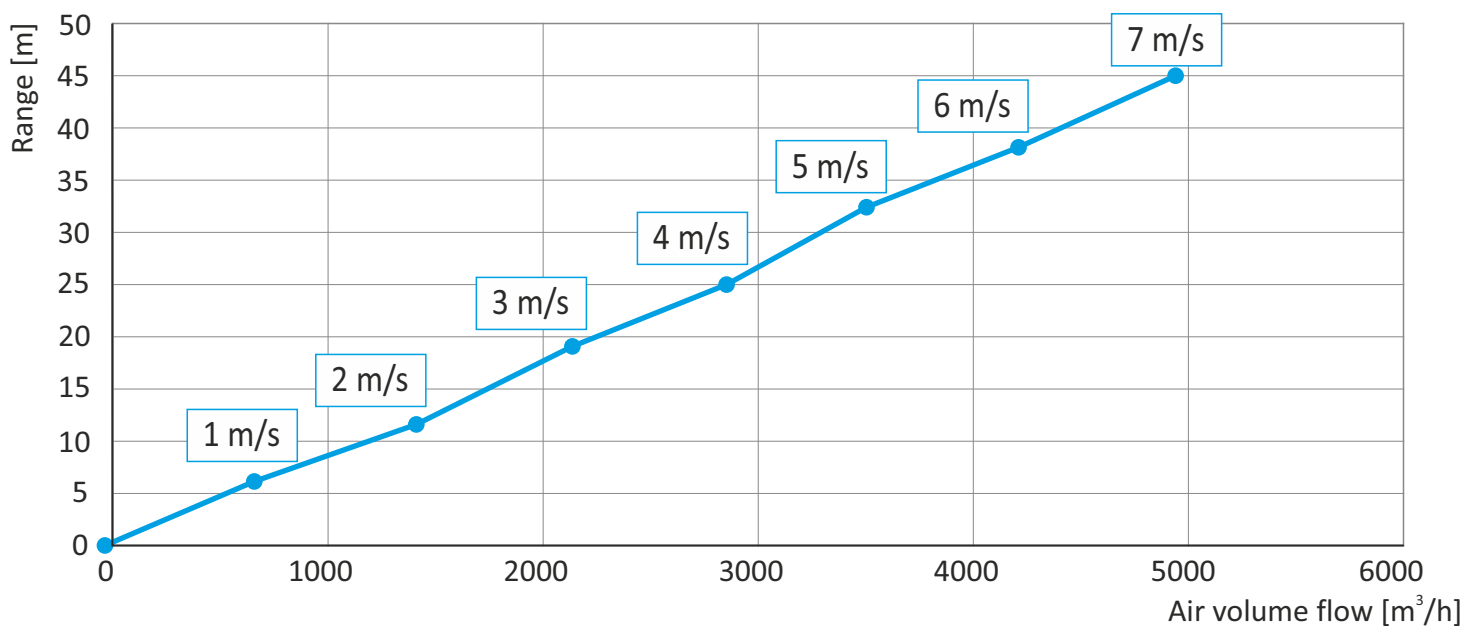
Ø500

Air velocity in the duct (m/s)	Air volume flow (m ³ /h)	Pressure drop (Pa)	Range (m)
0	0	0	0
1	707	1	6
2	1413	2,5	12
3	2120	4	19
4	2826	6	25
5	3533	9	32
6	4239	12	38
7	4946	16	45

Graph of pressure loss [Pa] as a function of air efficiency [m³ / h]



Range diagram [m] as a function of air efficiency [m³ / h]



Blue points on the graph additionally indicate the values of air velocity in the intake duct [m / s]

The method of placing an order

Please make orders according to the following formula:

NWO-10 / 'd' / 'RAL' / 'M'

'd' the size of the diffuser: **400, 500**
'RAL' diffuser color according to RAL palette (standard RAL9016*)
'M' material:
OC- powder coated galvanized steel*
AL - powder coated aluminium
KO - stainless steel / acid proof steel (type 1.4301 or 1.4404)

* - if You do not give the information will be used standard parameters.