

DTL98 AIR INLET

AIR MANAGEMENT SYSTEMS

PRODUCT PROPERTIES

The air inlet is a ventilation unit designed to provide a continuous flow of air into a building. The unit can be installed in bedrooms, living rooms or any other kind of room in need of ventilation. It is recommended that the unit is placed high up, preferably in suitable relationship to a radiator. This mixes the incoming air with the convection flow of warm air, ensuring maximum comfort.

AIR INLET with filter and precision damper.
(Ordering number: **DTL98P**)

This unit consists of a precision damper and filter, five pipes and a louvre vent. Each ventilator includes 3 air-direction plugs and a locking plate, which fixes the unit in the required position. It can be regulated by means of a cord, which is supplied as standard

AIR INLET

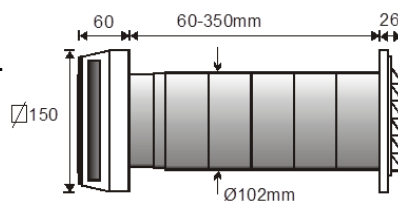
(Ordering number: **DTL98E**)

This unit consists of an interior section, three pipes end a louvre vent, which incorporates a fly-screen. The interior part includes a cover fitted with a condensation screen. This cover functions as a damper and also directs the airflow. The volume of air is set by moving the cover to the requested position, the direction of the airflow is controlled by adjusting the cover to the required angle.

TECHNICAL DATA:

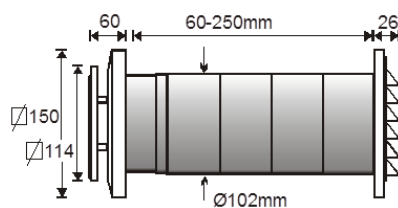
DTL98P

- Capacity at 10Pa
- Fully open, position 10: 8,8 l/s
- Half open, position 5: 6,2 l/s
- Mounting Hole: 105mm
- Max. wall thickness: 350mm.
(for thicker walls you can add pipes.)
- Adjustable spread pattern.
- Condensation screen.
- Filter



DTL98E

- Capacity at 10Pa
- Fully open, 12 mm: 9,8 l/s
- Half open, 6 mm: 6,2 l/s
- Mounting Hole: 105mm
- Max. wall thickness: 250mm.
(for thicker walls you can add pipes.)
- Condensation screen.



Function DTL98P

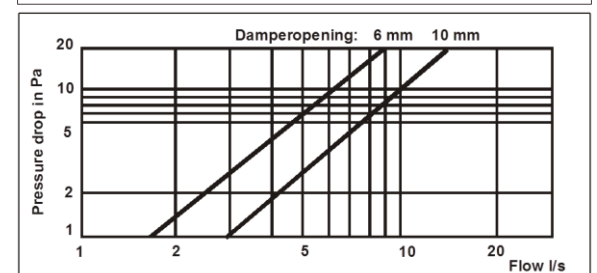
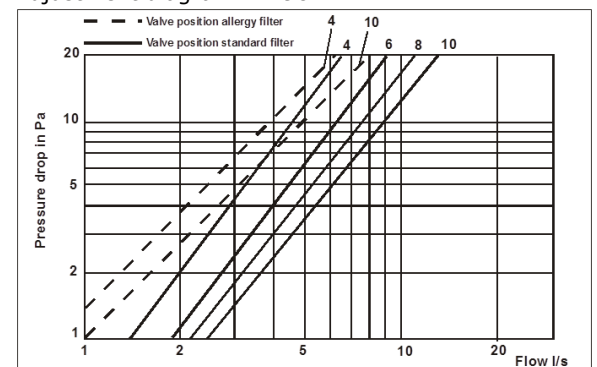
The incoming air flows along the inner wall, where it is warmed and spread to the rest of the room. The spread of air can be varied by mounting the air direction plugs in the air stream of the housing. The unit is fitted with a precision damper for exact adjustment of the airflow. This is done by means of scale on the cover and the adjustment diagram.

The damper is actuated by a regulator situated on the underside of the air inlet. It can also be adjusted by a hanging cord if required. The housing is also fitted with a minimum flow stop at position 2, in order to ensure a certain minimum ventilation. At this point the flow is c.3 lit./sec. at 10Pa. If the air inlet needs to be closed completely for any reason, the stop can be overcome by pressing the regulator harder towards the 0 position. To adjust the air inlet to a fixed flow, remove the regulator grip and replace it with a locking plate to prevent the damper being reset.

MAINTENANCE

The housing is easy to clean. The cover and the filter can be pulled off together. It is then easy to separate them and to replace them. It is important to keep the filter clean (wash-and replace when necessary), in order to ensure the correct flow of air and to retain good air quality

Adjustment diagram DTL98P



LIABILITY:

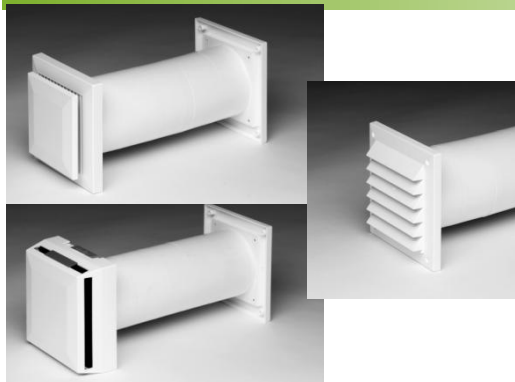
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PLEASE NOTICE:

The consultant is responsible for the actual installation and mounting of the product. The mentioned values with respect to temperatures are not appropriate to be used to determine the physical properties. These properties are also dependent on humidity and the temperature of the air inside and outside of the H.V.A.C. system.

TRADEMARKS:

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DTL98 AIR INLET

AIR MANAGEMENT SYSTEMS

INSTALLATION

The air inlet should be mounted high up, preferably in suitable relation to a heating unit.

DTL98E

1. Hole diameter.

Cut a hole through the wall 105mm in diameter, slanted downwards slightly (1mm/100mm) in the outward direction. Use a hole saw or drill a ring of small holes remove the core using a chisel etc.

2. Mounting the outer parts.

Press the outer muff on the louvred vent. Fit further pipes so that the total length is just slightly less than the wall thickness. Insert the vent and pipes through the wall from the outside. Fix the vent in place using four of the screws supplied. Seal between the vent and the façade with sealing compound where necessary.

3. Mounting the interior part.

Loosen the inner adapter from the interior-part. Mount the adapter and fix in place with the remaining four screws. Press the interior part back onto the adapter. If the interior part is to be secured, first remove the cover, then the part can be fixed in place using the two small screws supplied.

DTL98P

1. Hole diameter (Same as DTL98E !)

2. Mounting the outer parts (Same as DTL98E !)

3. Mounting the inner parts.

Loosen the cover from the chassis. Press the inner adapter on to the back of the chassis. Fit the inner part and fix in place using the remaining four screws. Refit the cover and set the required air flow by means of the regulator and the scale.

4. Adjustment.

If a fixed setting is required, this can be set as follows:
Bend the regulator away using the fingers or a small screwdriver. Adjust to setting required by moving the regulator tab along the scale. Fit the locking plate, pressing it firmly in place.

5. Fitting the cord (handicap adaption).

Remove the cover.

Open the pre-marked holes (one each side of the regulator) using a bradawl or a 2mm drill. Thread one end of the cord through each hole and tie a knot behind the equivalent hole in the ring. Use triple overhand knots.

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