

Type QLI



INDUCTION-TYPE DISPLACEMENT FLOW DIFFUSER IN NOMINAL LENGTHS OF 900, 1200 AND 1500 MM, WITH VERTICAL HEAT EXCHANGER AND CONDENSATE DRIP TRAY

Induction-type displacement flow diffuser with 2-pipe or 4-pipe heat exchanger, for installation under a sill. The condensate drip tray is useful if the temperature temporarily falls below the dew point.

- High heating and cooling capacity with a low conditioned primary air volume flow rate and low sound power level
- High comfort levels due to low airflow velocity in the occupied zone

- Three nozzle variants to optimise induction based on demand
- Two different heat exchanger positions

Optional equipment and accessories

- Control equipment
- Fixing systems for wall or floor fixing, fixing systems for both wall and floor fixing
- Powder coating in many different colours, e.g. RAL CLASSIC



Application

- Induction-type displacement flow diffusers of Type QLI for installation under a sill
- High comfort levels due to low-turbulence airflow and low airflow velocity in the occupied zone
- Displacement flow
- Choice of location for primary air spigot at a narrow side; end cap may have to be changed accordingly
- 2-pipe or 4-pipe heat exchangers enable good comfort levels with a low conditioned primary air volume flow rate
- Energy-efficient solution since water is used for heating and cooling

Special characteristics

- Low-turbulence supply air discharge as displacement flow
- Vertical heat exchanger as 2-pipe or 4-pipe system, optional condensate drip tray including condensate drain that can be connected to a condensate pipe (to be provided by others)
- Water connections at the narrow side, Ø12 mm Cu pipe, either with plain tails or with external thread or union nut, G½", flat seal

Nominal sizes

- 900, 1200, 1500 mm

Variants

- WVL: Heat exchanger at the front, water connections on the left
- WVR: Heat exchanger at the front, water connections on the right
- WHL: Heat exchanger at the rear, water connections on the left
- WHR: Heat exchanger at the rear, water connections on the right

Heat exchanger

- 2: 2-pipe systems
- 4: 4-pipe systems

Nozzle variants

- M: Medium
- G: Large
- U: Extra large

Construction

- Galvanised
- P1: Powder-coated RAL 9005, black, gloss level 70 %

Attachments

- Water connection A1: G $\frac{1}{2}$ " external thread and flat seal
- Water connection A2: G $\frac{1}{2}$ " union nut and flat seal
- Condensate drip tray

Accessories

- W0: Wall fixing
- B0: Floor fixing
- WB: Wall and floor fixing

Useful additions

- Connecting hoses
- Control equipment consisting of a control panel including a controller with integral room temperature sensor; valves and valve actuators; and lockshields
- X-AIRCONTROL control system
- Choice of ventilation grille from our portfolio

Construction features

- Spigot is suitable for circular ducts to EN 1506 or EN 13180
- Three nozzle variants to optimise induction based on demand
- Vent valves on the heat exchanger

Materials and surfaces

- Casing, supply air grille, and primary air plenum with punched nozzles are made of galvanised sheet steel
- Exposed surfaces either galvanised or black (RAL 9005)
- Heat exchanger with copper tubes and aluminium fins

Standards and guidelines

- Products are certified by Eurovent (no. 09.12.432) and listed on the Eurovent website
- Declaration of hygiene conformity to VDI 6022

Maintenance

- No moving parts, hence low maintenance
- The heat exchanger can be vacuumed with an industrial vacuum cleaner if necessary
- VDI 6022, Part 1, applies (Hygiene requirements for ventilation and air-conditioning systems and units)

TECHNISCHE INFORMATION

Function, Technical data, Quick sizing, Specification text, Order code, Related products

Variants, Dimensions and weight

Installation details, Basic information and nomenclature

TROX Italia S.p.A.



Società unipersonale soggetta a
direzione e coordinamento di
TROX GmbH

Sede legale: Via Mecenate 90 - 20138
Milano

Cap. Soc. EUR 2.000.000

R.E.A. n.

659693

Reg.

Impr. MI, C.F. e P.IVA IT 00897380150

Casella di posta certificata: trox@pec.it

Online-Services

› [TROX Academy](#)

› [Your contact partner](#)

› [Online fault report](#)

Service-Hotlines

Telefono

+39 02-98 29 74.1

Telefax

+39 02-98 29 74 60