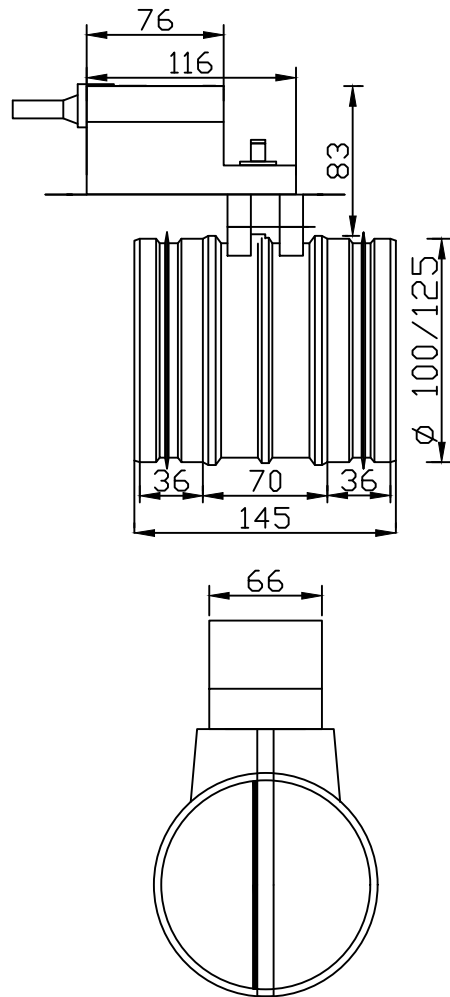
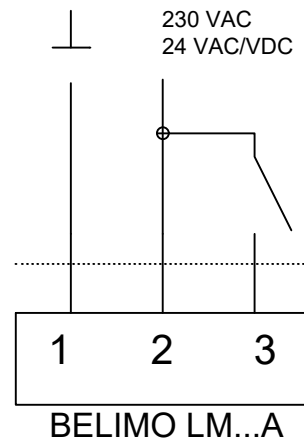


# VALLOX ADJUSTMENT DAMPER

## DIMENSIONS



## EXTERNAL CONNECTION



## ADJUSTMENT

The factory settings of the opening and closing angles are such that the adjustment damper opens and closes completely. However, the opening and closing angles can be adjusted.

The air flow is adjusted so that the air volume introduced into the room corresponds to the volume of the extract air flow from the cooker hood. Air volumes are always measured from the terminal device, and the terminal device is adjusted in accordance with ventilation in the Boost mode.

The At home mode air flow is adjusted when the adjustment damper is fully closed. If general extraction from the hood is to be compensated for, the adjustment damper limiter is moved so that the adjustment damper will not close completely.

The Boost mode air flow is adjusted when the cooker hood damper is open. The air flows are adjusted from the terminal device.

## OPERATIONAL DESCRIPTION

### Vallox Adjustment Damper

- Vallox Adjustment Damper can be used to balance the underpressure created by cooker hood boost and general extraction.
- The Adjustment Damper receives information from the cooker hood about the opening of the hood damper and increases the supply air introduced into the home by the corresponding volume.
- The Adjustment Damper closes and opens automatically in accordance with the status data of the cooker hood damper.
- The Adjustment Damper includes the actuator.
- The Vallox Adjustment Damper 230 V versions can be controlled directly with the Vallox X-Line KTXA and Vallox Delico KTD A cooker hoods without separate supply voltage.
- The Vallox Adjustment Damper 24 V versions always need an external 24 V voltage supply (either an external transformer or supply voltage from the distribution board).

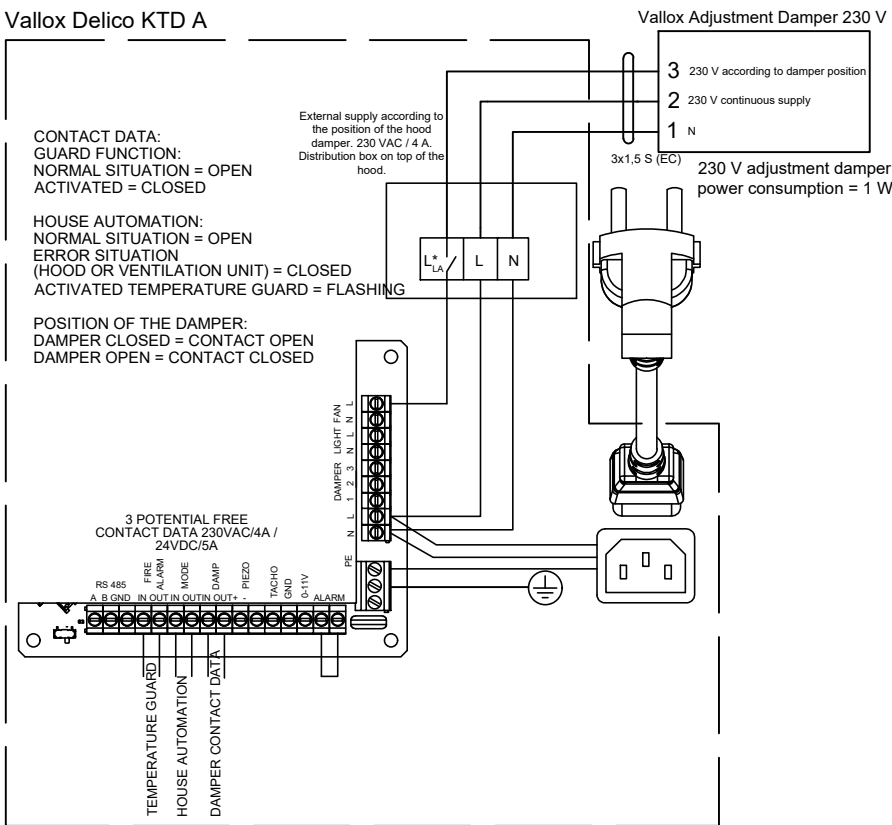
## ITEM NUMBERS

Model	Voltage	Duct	Item number	HVAC-number
Vallox Adjustment Damper	230 V	100 mm	975180	8413500
Vallox Adjustment Damper	230 V	125 mm	975190	8413501
Vallox Adjustment Damper	24 V	100 mm	975175	8413502
Vallox Adjustment Damper	24 V	125 mm	975185	8413503

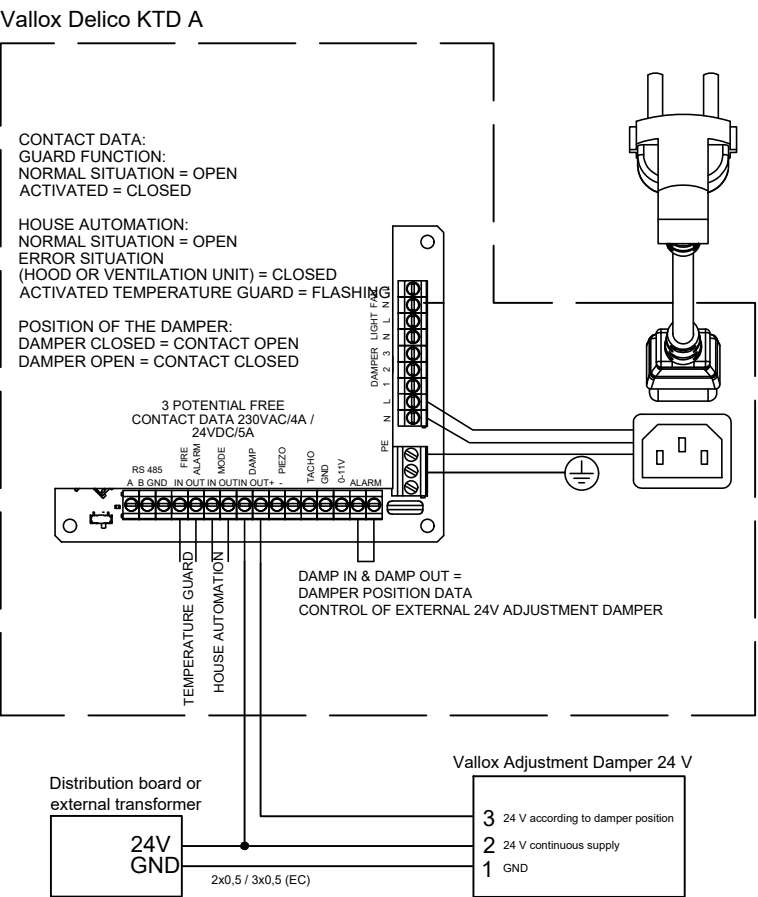
Revision	Date	Drawer	Change	<div>  </div>		<div> <div>Target Customer</div> <div>Addr. 1</div> <div>Addr. 2</div> </div>		DESCRIPTION AND CONNECTION				
								Vallox Adjustment Damper				
				Drawer Person1	Designer Person1	Project number 001	Date. DATE	Revision ...	Drawing number 001	Page 01 /08		

CONNECTION WITH VALLOX DELICO KTD A COOKER HOOD

VALLOX ADJUSTMENT DAMPER 230 V, CONNECTION AND CONTROL



VALLOX ADJUSTMENT DAMPER 24 V, CONNECTION AND CONTROL



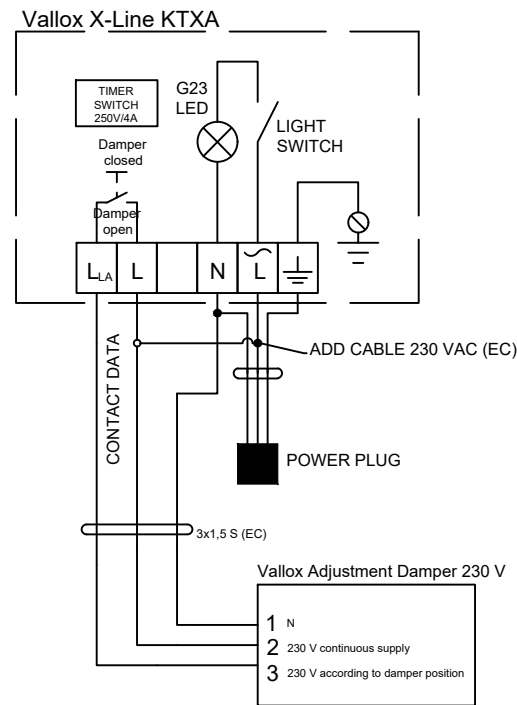
24 V adjustment damper requires separate voltage supply (either external  
24 V transformer or voltage supply from distribution board).  
24 V adjustment damper power consumption = 2 W.

(EC) = ELECTRICAL CONTRACTOR

Revision	Date	Drawer	Change	<div>VALLOX</div>		Target Customer Addr. 1 Addr. 2		DESCRIPTION AND CONNECTION			
								Vallox Adjustment Damper			
								Drawer Person1	Designer Person1	Project number 001	Date. DATE
								Revision ...	Drawing number 001	Page 02 /08	

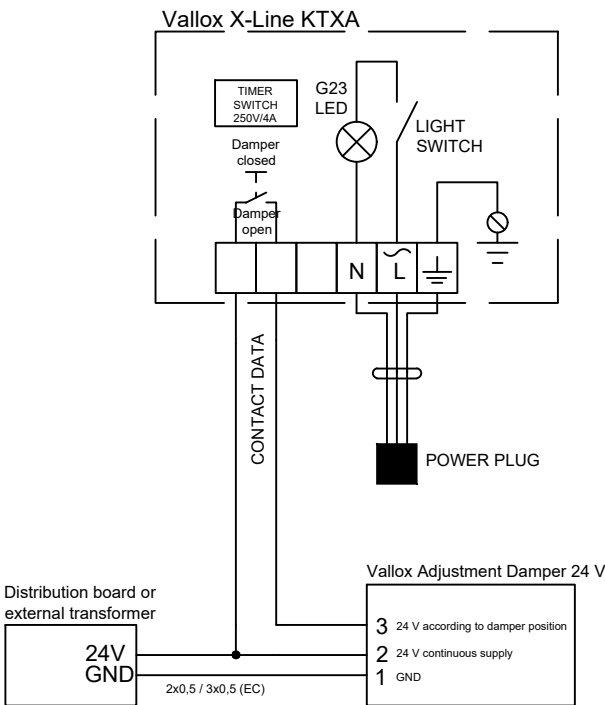
# CONNECTION WITH VALLOX X-LINE KTXA COOKER HOOD

VALLOX ADJUSTMENT DAMPER 230 V, CONNECTION AND CONTROL



230 V adjustment damper receives supply voltage directly from the cooker hood.  
230 V adjustment damper power consumption = 1 W.

VALLOX ADJUSTMENT DAMPER 24 V, CONNECTION AND CONTROL

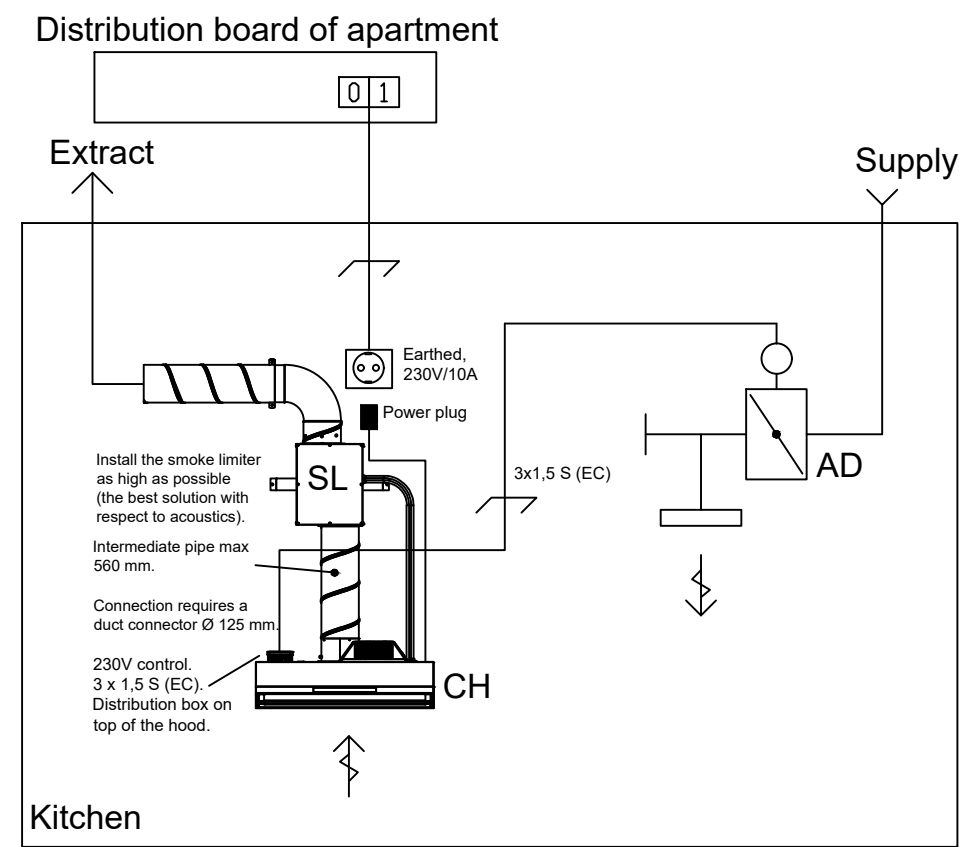


24 V adjustment damper requires separate voltage supply (either external 24 V transformer or voltage supply from distribution board).  
24 V adjustment damper power consumption = 2 W.

(EC) = ELECTRICAL CONTRACTOR

Revision	Date	Drawer	Change	<div>VALLOX</div>	Target Customer Addr. 1 Addr. 2				DESCRIPTION AND CONNECTION				
									Vallox Adjustment Damper				
				Drawer Person1	Designer Person1		Project number 001	Date. DATE	Revision ...	Drawing number 001		Page 03 /08	

CONNECTION, VALLOX DELICO KTD A + VALLOX ADJUSTMENT DAMPER 230 V



CH = Vallox Delico KTD A cooker hood.  
SL = Vallox Smoke Limiter.  
AD = Vallox Adjustment Damper 230 V.  
Control of adjustment damper = Distribution box on top of the hood (on the left).

When Vallox Delico KTD A is connected to the joint extraction system of a multi-storey building, a smoke limiter must also be installed.

Vallox Smoke Limiter meets the requirements set for a choke that serves as a fire damper (max 42 l/s @ 100 pa).

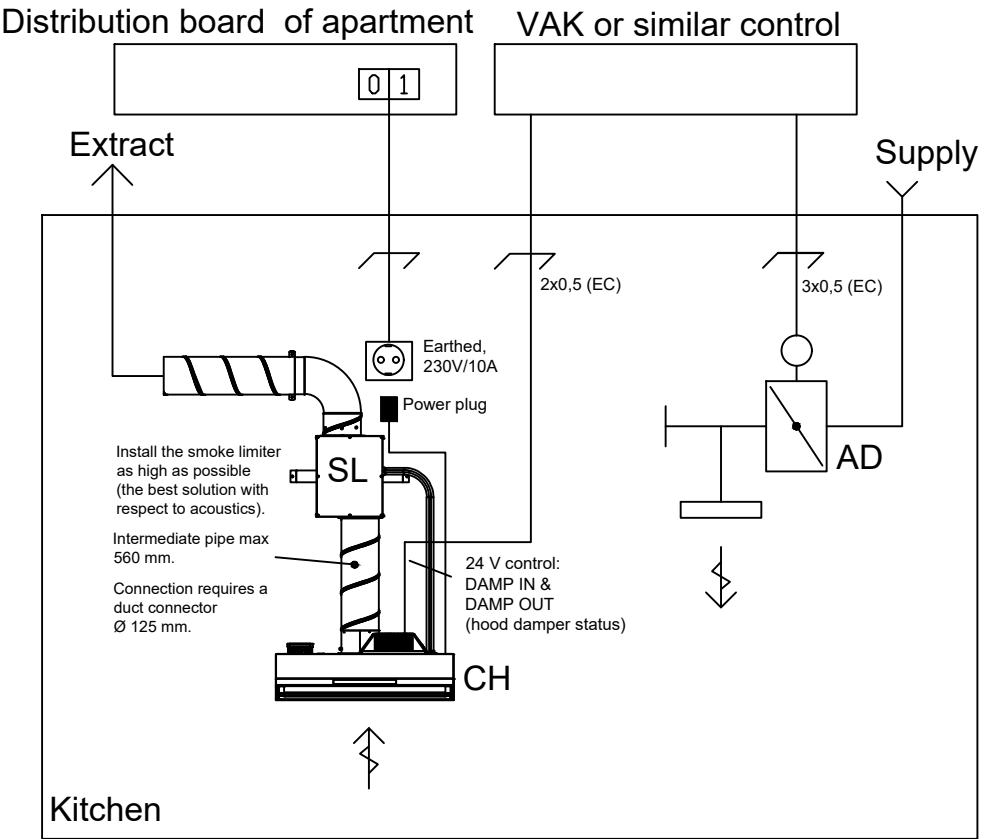
The minimum air flow is adjusted from the cooker hood and the maximum air flow from the smoke limiter.

In order to carry out maintenance and adjustment, there must be access to the Adjustment Damper, e.g. a maintenance hatch.

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Revision	Date	Drawer	Change	<div>VALLOX</div>		Target Customer Addr. 1 Addr. 2		DESCRIPTION AND CONNECTION			
								Vallox Adjustment Damper			
								Drawer	Designer	Project number	Date.
								Person1	Person1	001	DATE
								Revision	Drawing number	Page	
								...	001	04	/08

CONNECTION, VALLOX DELICO KTD A + VALLOX ADJUSTMENT DAMPER 24 V



CH = Vallox Delico KTD A cooker hood.  
SL = Vallox Smoke Limiter.  
AD = Vallox Adjustment Damper.  
Adjustment damper control = DAMP IN & DAMP OUT  
(status data of the hood damper)

When Vallox Delico KTD A is connected to the joint extraction system of a multi-storey building, a smoke limiter must also be installed.

Vallox Smoke Limiter meets the requirements set for a choke that serves as a fire damper (max 42 l/s @ 100 pa).

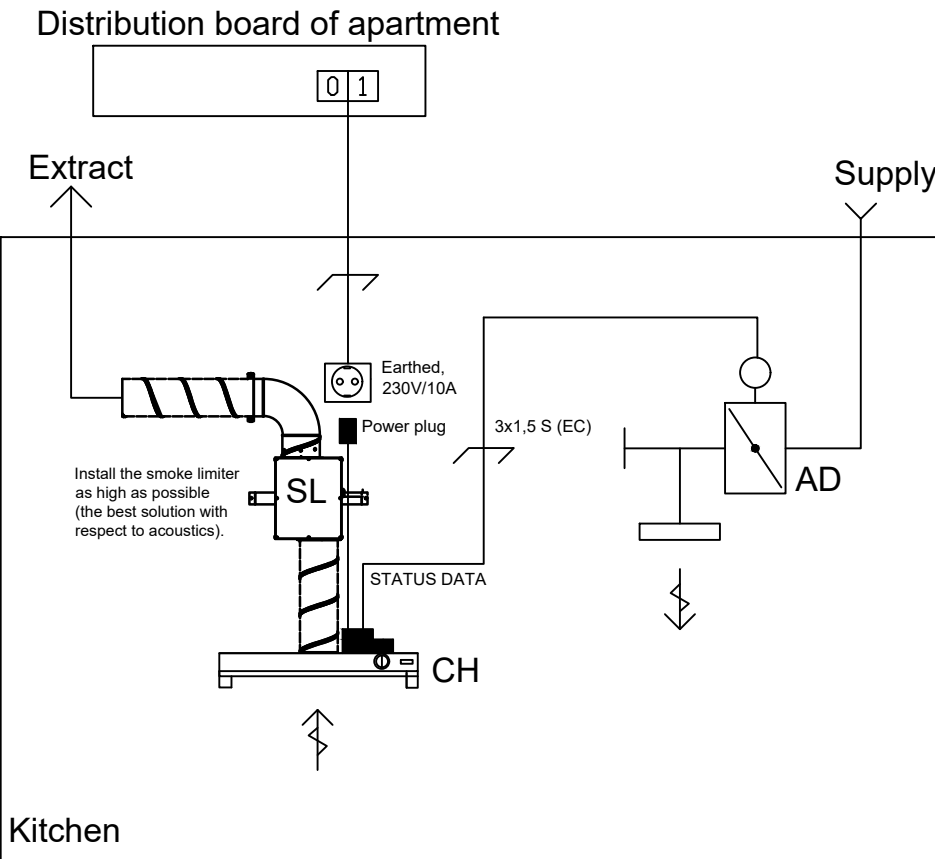
The minimum air flow is adjusted from the cooker hood and the maximum air flow from the smoke limiter.

In order to carry out maintenance and adjustment, there must be access to the Adjustment Damper, e.g. a maintenance hatch.

(EC) = ELECTRICAL CONTRACTOR

Revision	Date	Drawer	Change			Target Customer Addr. 1 Addr. 2		DESCRIPTION AND CONNECTION			
								Vallox Adjustment Damper			
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								Person1	Person1	001	DATE
								Revision	Drawing number	Page	
								...	001	05 /08	

CONNECTION, VALLOX X-LINE KTXA + VALLOX ADJUSTMENT DAMPER 230 V



CH = Vallox X-Line KTXA cooker hood.  
SL = Vallox Smoke Limiter.  
AD = Vallox Adjustment Damper 230 V.  
Adjustment damper control = Hood damper status.  
L (continuous 230 V supply) must be connected from the hood.

When Vallox X-Line KTXA is connected to the joint extraction system of a multi-storey building, a smoke limiter must also be installed.

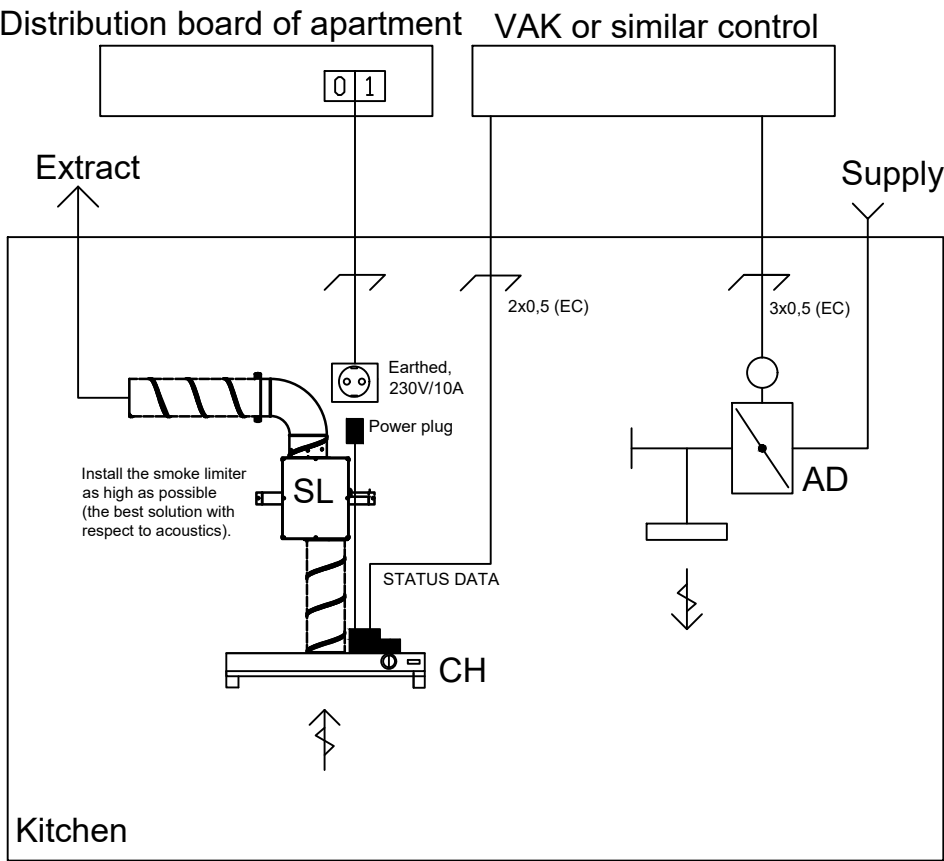
Vallox Smoke Limiter meets the requirements set for a choke that serves as a fire damper (max 42 l/s @ 100 pa).

In order to carry out maintenance and adjustment, there must be access to the Adjustment Damper, e.g. a maintenance hatch.

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Revision	Date	Drawer	Change			Target Customer Addr. 1 Addr. 2		DESCRIPTION AND CONNECTION			
								Vallox Adjustment Damper			
								Drawer	Designer	Project number	Date.
								Person1	Person1	001	DATE
								Revision	Drawing number	Page	
								...	001	06	/08

CONNECTION, VALLOX X-LINE KTXA + VALLOX ADJUSTMENT DAMPER 24 V



CH = Vallox X-Line KTXA cooker hood.  
SL = Vallox Smoke Limiter.  
AD = Vallox Adjustment Damper 24 V.  
Adjustment damper control = Hood damper status data directs 24 V voltage to the adjustment damper.

When Vallox X-Line KTXA is connected to the joint extraction system of a multi-storey building, a smoke limiter must also be installed.

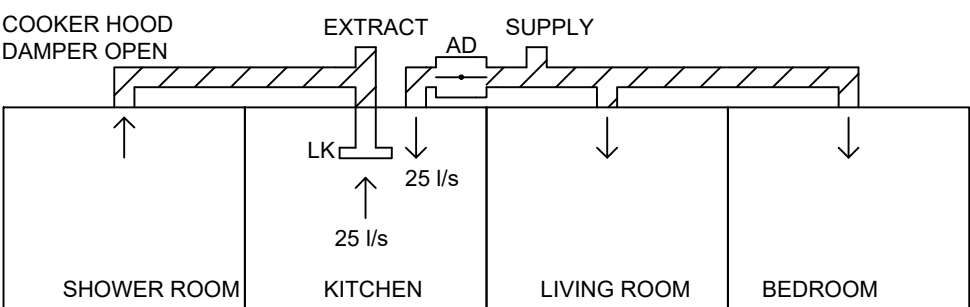
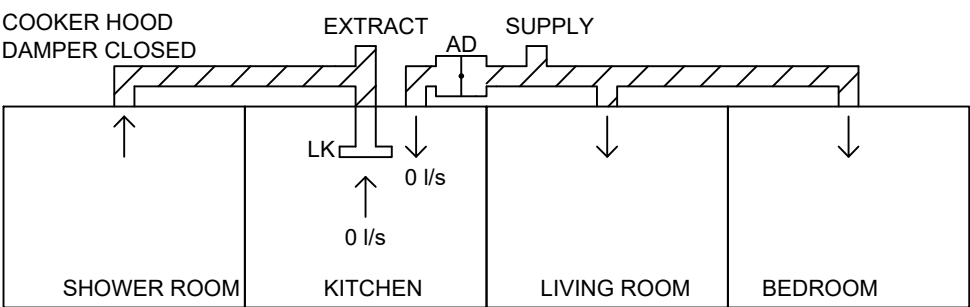
Vallox Smoke Limiter meets the requirements set for a choke that serves as a fire damper (max 42 l/s @ 100 pa).

In order to carry out maintenance and adjustment, there must be access to the Adjustment Damper, e.g. a maintenance hatch.

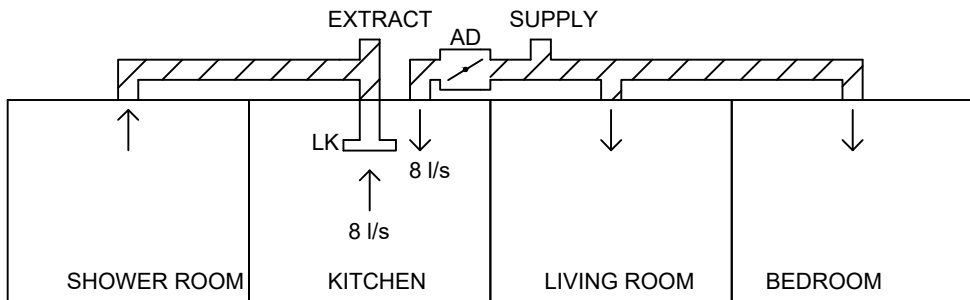
(EC) = ELECTRICAL CONTRACTOR

Revision	Date	Drawer	Change	<div>VALLOX</div>		Target Customer Addr. 1 Addr. 2		DESCRIPTION AND CONNECTION			
								Vallox Adjustment Damper			
								Drawer	Designer	Project number	Date.
								Person1	Person1	001	DATE
								Revision	Drawing number	Page	
								...	001	07 /08	

OPERATION IN MULTI-STOREY BUILDINGS, CENTRALISED VENTILATION, EXAMPLE



KITCHEN NOMINAL EXTRACT THROUGH THE COOKER HOOD, COOKER HOOD DAMPER CLOSED



Revision	Date	Drawer	Change	<b>VALLOX</b>		Target Customer Addr. 1 Addr. 2		DESCRIPTION AND CONNECTION			
								Vallox Adjustment Damper			
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								Person1	Person1	001	DATE
								Revision	Drawing number	Page	
								...	001	08 /08	