

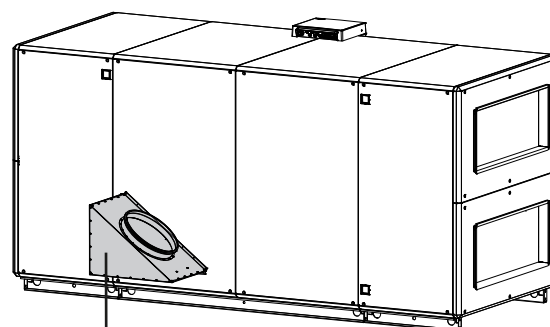
Installation of the Smoke Extraction Adapter, TBXZ-1-93 GOLD/SILVER C PX

1. General

The smoke extraction adapter is designed for use with GOLD/SILVER C PX, size 004-080.

The smoke extraction adapter is used when you want the extract air to bypass the heat exchanger and filter, e.g. as a component in a system for smoke extraction. See the example.

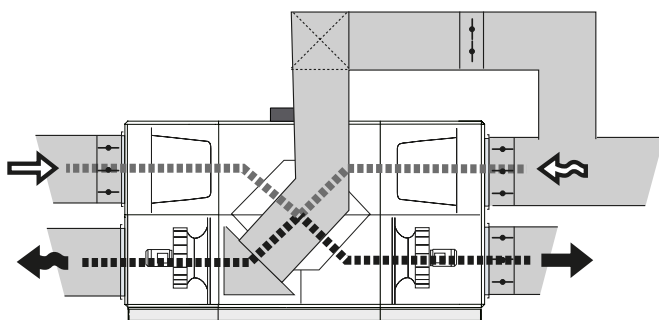
Size, adapter	Part number
005	TBXZ-1-93-05
008	TBXZ-1-93-08
012	TBXZ-1-93-12
020	TBXZ-1-93-12
030	TBXZ-1-93-30
040	TBXZ-1-93-40
040	TBXZ-1-93-40
060	TBXZ-1-93-60
080	TBXZ-1-93-80



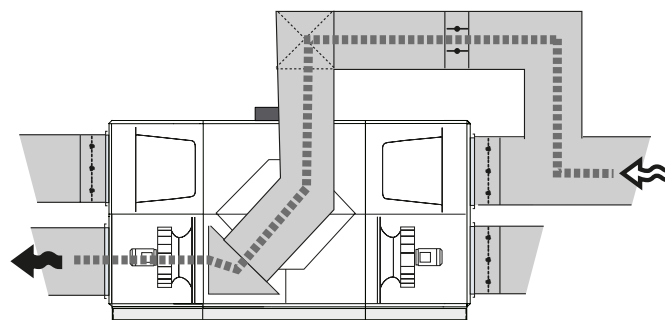
Smoke extraction adapter.
Intake at the rear of the air handling unit.

Example

Normal operation.



The extract air is routed to bypass the heat exchanger and filter



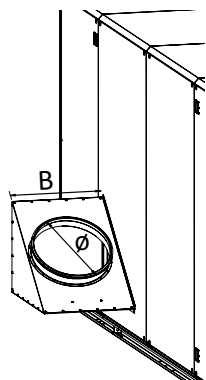
2. Installation

1. The adapter is mounted using self-tapping screws, in pre-drilled holes, above the intake at the rear of the air handling unit.
2. The duct is routed from the adapter to the extract air duct, see the example. The duct is fastened in the adapter using self-tapping screws.

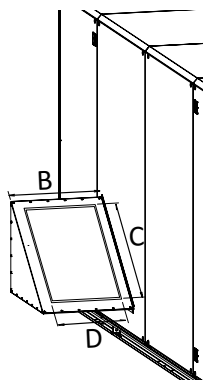
NOTE! The adapter must not bear the weight of the duct.

3. Dimensions

Sizes 004-040+



Sizes 050+ - 080



For GOLD	B	ø	C	D
004/005	320	250	-	-
007/008	385	315	-	-
011/012	477	400	-	-
014/020	477	400	-	-
025/030	577	500	-	-
035/040/040+	700	630	-	-
050+/060+	500	-	1000	400
070/080	500	-	1200	400

3. Data

Calculation of flow and velocity smoke outlet, at 200 Pa duct pressure

AHU	Motor	Max. flow (m ³ /s)	Velocity (m/s)	Pressure drop (Pa)
PX04	E1	0.45	9.2	68
PX05	E1	0.6	12.2	121
	E2	0.65	13.2	142
PX07	E1	0.7	9.0	65
	E2	0.75	9.6	75
PX08	E1	0.9	11.5	108
	E2	1	12.8	133
PX11	E1	1.1	8.8	62
	E2	1.1	8.8	62
PX12	E1	1.3	10.3	87
	E2	1.4	11.1	101
PX14	E1	1.65	13.1	140
	E2	1.65	13.1	140
PX20	E1	2.1	16.7	226
	E2	2.1	16.7	226
PX25	E1	2.5	12.7	131
	E2	2.5	12.7	131
PX30	E1	3.1	15.8	202
	E2	3.2	16.3	215
PX35	E1	3.7	11.9	114
	E2	4	12.8	133
PX40	E1	4.9	15.7	200
	E2	5.5	17.6	252
PX40+	E1	5.2	16.7	225
	E2	5.5	17.6	252
PX50+	E1	5.4	13.5	148
	E2	6.0	15.0	182
PX60+	E1	6.5	16.3	214
	E2	6.5	16.3	214
PX70	E1	7.0	14.6	172
	E2	8.0	16.7	225
PX80	E1	9.2	19.2	298
	E2	9.5	19.8	317