

HEAT RECOVERY UNITS

UVR SERIES

- ➔ Ceiling, false ceiling or floor installation
- ➔ 7 single-phase models
- ➔ 3 three-phase models
- ➔ Flow rates up to 7,000 m³/h

DESCRIPTION:

Dual flow heat recovery unit (medium efficiency) suitable for the ventilation of small and medium sized rooms in the tertiary and commercial sectors, such as cafés, restaurants, offices, meeting rooms, shops in general, gyms, dance studios, cafeterias, etc.

The single-phase UVR models are the **ideal solution for “smoking rooms”** up to 40 m², fulfilling the requirements of Law No. 3, of 16 January 2003, art. 51 on the protection of non smokers.

CHARACTERISTICS:

- External galvanised steel sheet structure
- Sound insulation panel
- Aluminium cross flow heat exchanger
- Heat recovery greater than 50%
- Maximum flow rate 7,000 m³/h
- Rotating stator fans with backward curved impeller (models UVR 550, UVR 1000 and UVR 1400)
- Centrifugal fans with double intake directly coupled forward blades (Models UVR 2000 to UVR 7000)
- Adjustable motors, even separately
- Standard F6 filters on intake and supply, inspectable
- Possibility of aeraulic configuration also on site
- Condensation collection basin with condensation discharge
- EUROVENT regulation exchange pack

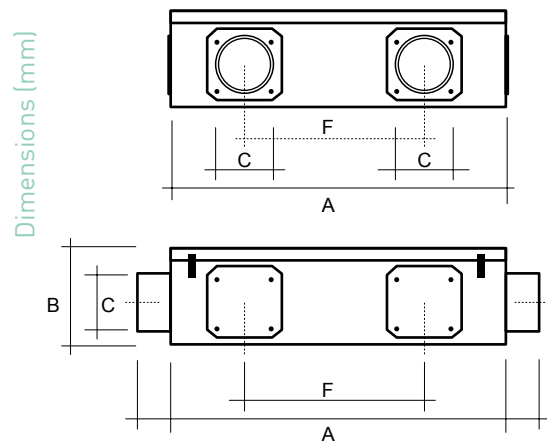
ACCESSORIES:



- 9-position electronic voltage regulator, single-phase models
- Inverter regulator, three-phase models
- Post-heating hydronic coils
- Post-cooling hydronic coils
- Pre and post-heating electric coils
- Kit of lights for smoking rooms with control panel

DIMENSIONS

MODEL	mm			E	F	Kg
	A	B	ØC			
UVR 550 MF	700	275	150	60	350	32
UVR 1000 MF	700	340	180	60	350	40
UVR 1400 MF	900	375	250	60	450	65
UVR 2000 MF	1000	425	315	65	600	98
UVR 3000 MF	1200	450	315	65	635	140
UVR 3500 MF	1350	550	350	80	750	160
UVR 4200 MF	1350	550	350	80	780	165
UVR 5500 TF	1350	550	350	80	780	165
UVR 6500 TF	1350	725	450	80	750	193
UVR 7000 TF	1350	725	450	80	750	193



TECHNICAL FEATURES

CODE	MODEL	m ³ / hmax.	m ³ / hnom.	Pa useful	W	A	V~	Hz	Ph	Class	dB at 2m
AP20000	UVR 550 MF	600	550	50	2x85	2x0.38	230	50	1	B	53
AP20005	UVR 1000 MF	1100	1000	50	2x155	2x0.70	230	50	1	F	51
AP20010	UVR 1400 MF	1500	1400	60	2x230	2x1.05	230	50	1	F	53
AP20015	UVR 2000 MF	2100	2000	80	2x368	2x3.2	230	50	1	B	55
AP20020	UVR 3000 MF	3200	3000	100	2x550	2x4.2	230	50	1	B	56
AP20025	UVR 3500 MF	3600	3500	60	2x550	2x6.7	230	50	1	B	58
AP20030	UVR 4200 MF	4200	4000	90	2x600	2x6.6	230	50	1	F	58
AP20035	UVR 5500 TF	5500	5200	100	2x550	2x2.5	400	50	3	F	58
AP20040	UVR 6500 TF	6600	6300	120	2x1100	2x3.6	400	50	3	B	67
AP20045	UVR 7000 TF	7100	7000	150	2x1500	2x5	400	50	3	B	71

HEAT RECOVERY UNIT FOR SMOKING ROOMS

AP20003	UVR 550 MF 3A	600	550	50	2x85	2x0.38	230	50	1	B	53
AP20008	UVR 1000 MF 3A	1100	1000	50	2x155	2x0.70	230	50	1	F	51
AP20013	UVR 1400 MF 3A	1500	1400	60	2x230	2x1.05	230	50	1	F	53
AP20018	UVR 2000 MF 10A	2100	2000	80	2x368	2x3.2	230	50	1	B	55
AP20023	UVR 3000 MF 10A	3200	3000	100	2x550	2x4.2	230	50	1	B	56
AP20028	UVR 3500 MF 15A	3600	3500	60	2x550	2x6.7	230	50	1	B	58
AP20033	UVR 4200 MF 15A	4200	4000	90	2x600	2x6.6	230	50	1	F	58

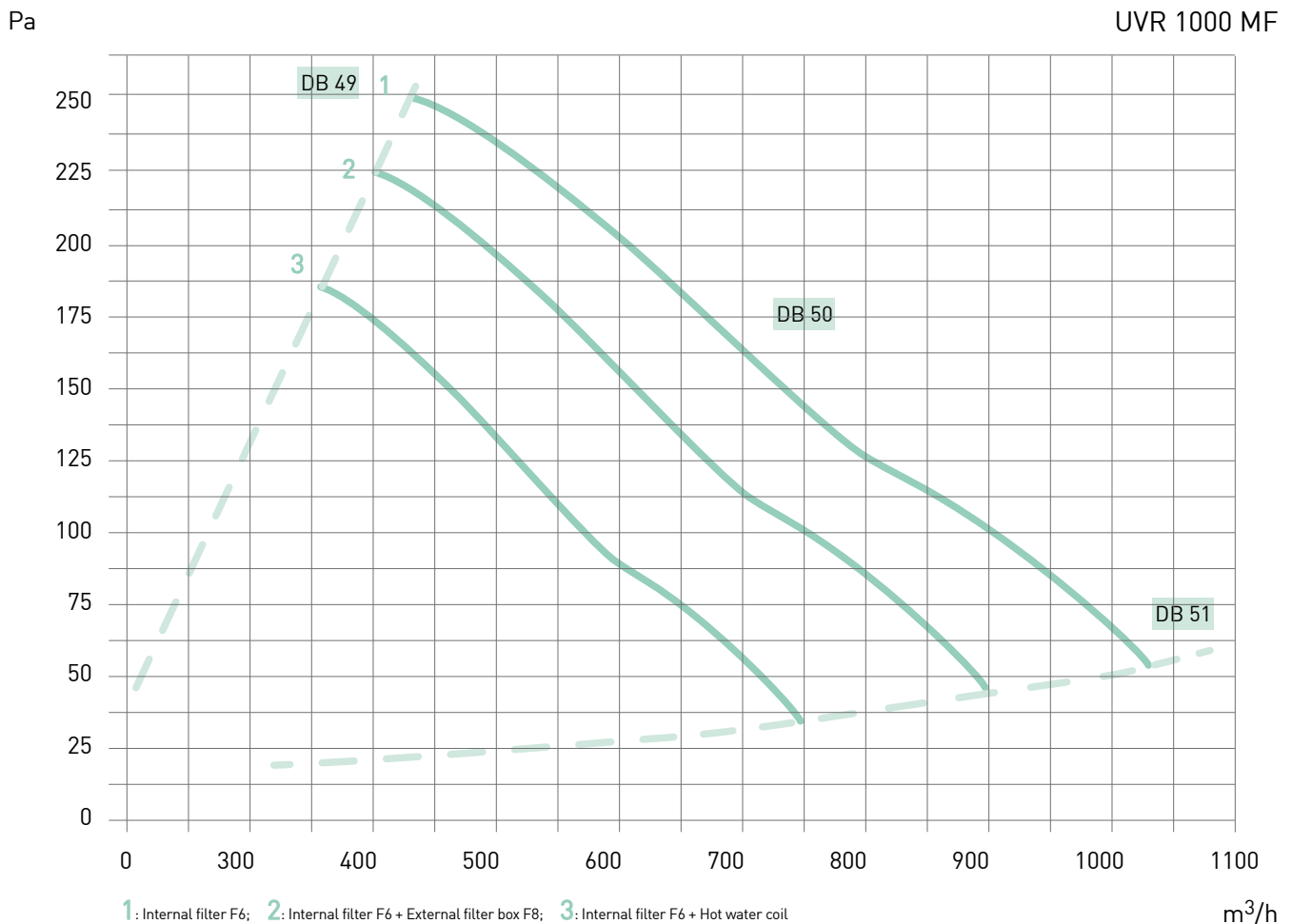
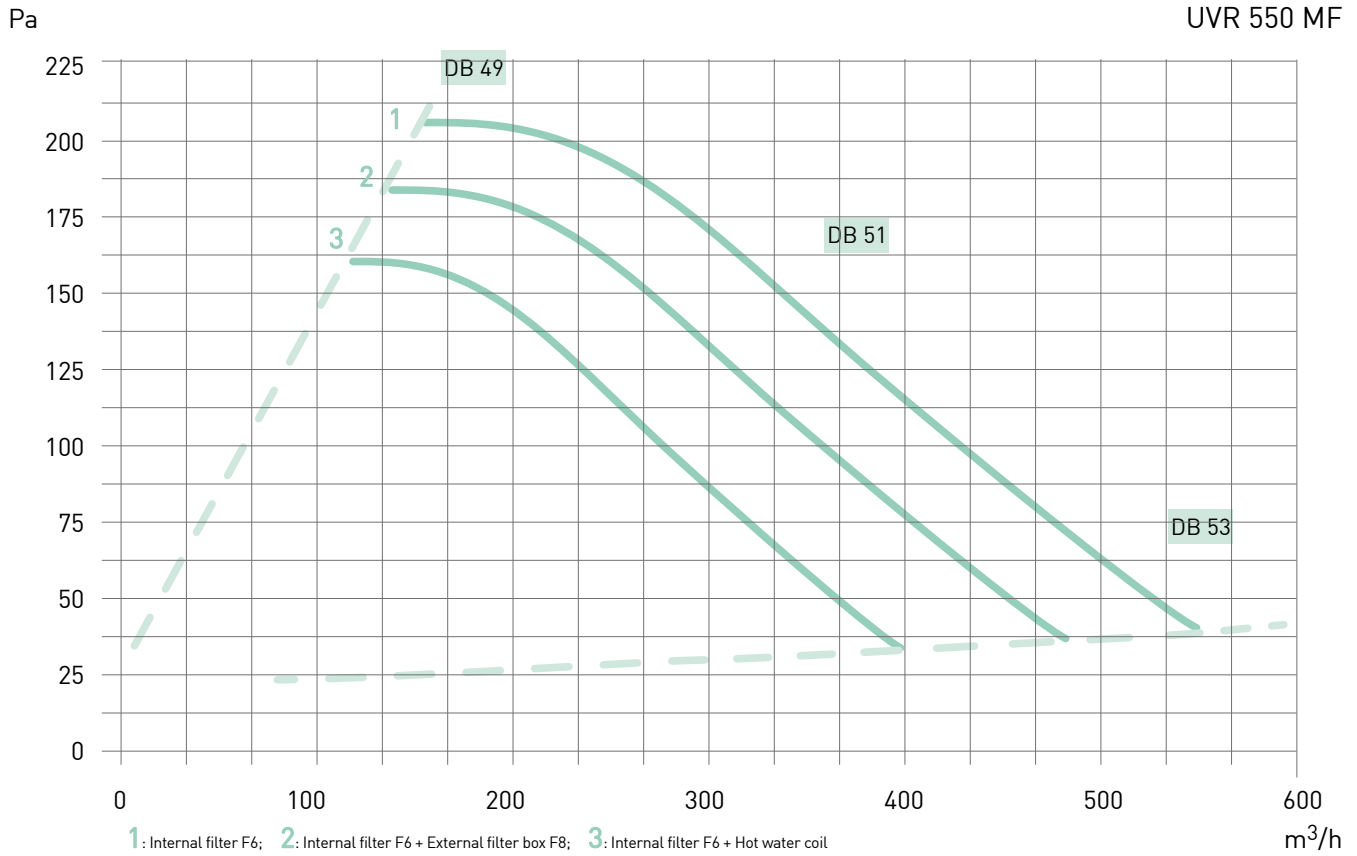
THERMAL OUTPUT

MODEL	Air flow rate m ³ /h	Room air		Fresh air		Treated air	Efficiency	Power
		°C	°C	r.h.%	°C	%	kW	
UVR 550 MF	550	20	-5	80	10.2	61	2.8	
		26	34	50	29.5	56	0.71	
UVR 1000 MF	1000	20	-5	80	9.2	57	5.2	
		26	34	50	30.1	48	1.2	
UVR 1400 MF	1400	20	-5	80	9.2	57	6.7	
		26	34	50	30.1	49	1.6	
UVR 2000 MF	2000	20	-5	80	7.9	52	9.4	
		26	34	50	29.8	50	2.6	
UVR 3000 MF	3000	20	-5	80	10	60	16	
		26	34	50	29.8	52	4	
UVR 3500 MF	3500	20	-5	80	8.4	53	17	
		26	34	50	30.2	47	4.2	
UVR 4200 MF	4200	20	-5	80	8.2	54	15	
		26	34	50	30.2	48	3.6	
UVR 5500 TF	5500	20	-5	80	8.1	52	21	
		26	34	50	30.3	47	5.3	
UVR 6500 TF	6500	20	-5	80	8.2	54	15	
		26	34	50	30.2	48	3.6	
UVR 7000 TF	7000	20	-5	80	8.2	54	15	
		26	34	50	30.2	48	3.6	

QUICK SELECTION TABLE

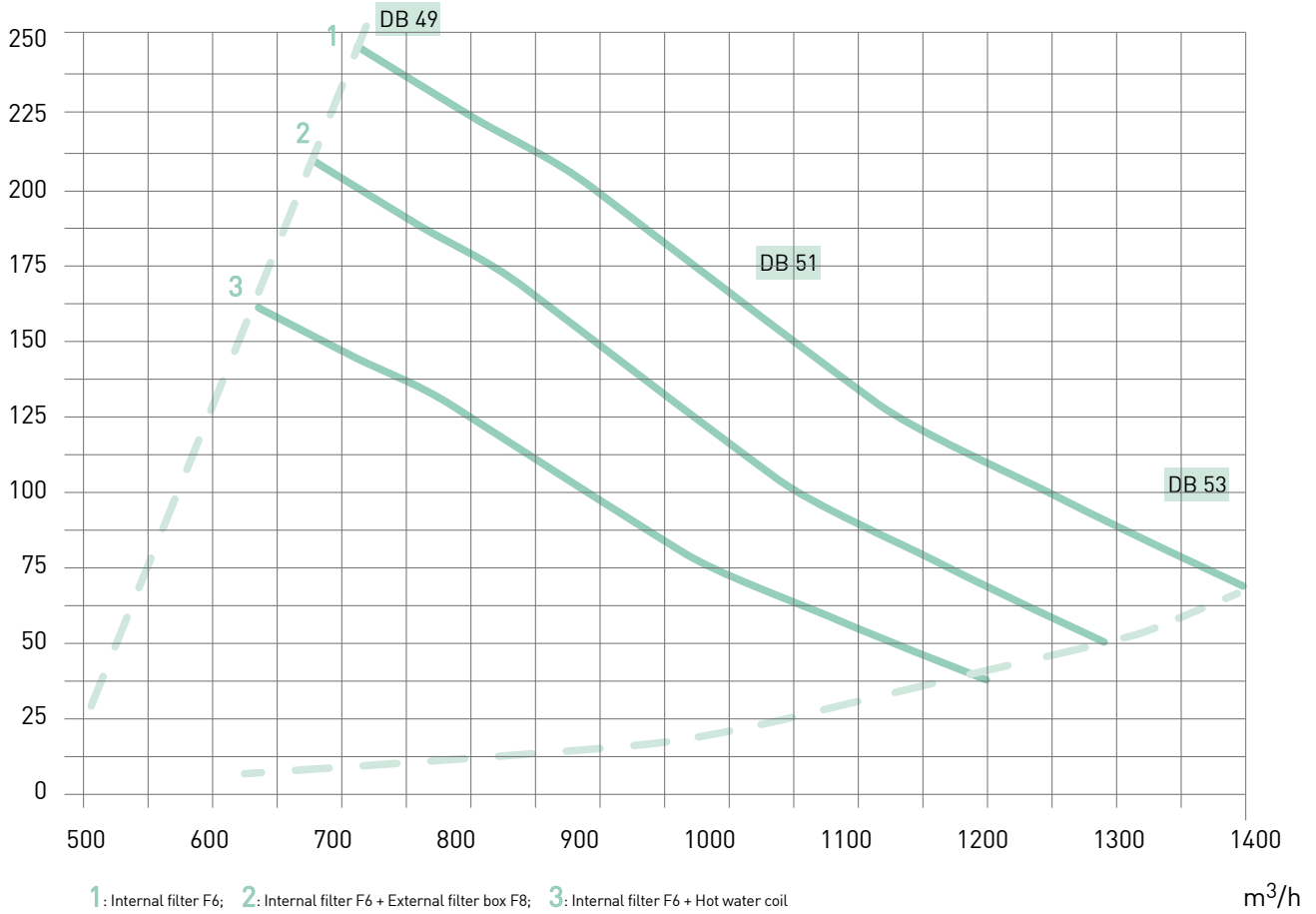
MODEL	Useful pressure (Pa)							Useful flow rate (m ³ /h)
	100	150	200	250	300	400	500	
UVR 550 MF	430	340	200	-	-	-	-	
UVR 1000 MF	900	720	590	450	-	-	-	
UVR 1400 MF	1250	1050	890	700	-	-	-	
UVR 2000 MF	1900	1800	1650	1450	-	-	-	
UVR 3000 MF	3000	2600	2100	1700	1200	-	-	
UVR 3500 MF	3200	2800	2450	2100	1400	-	-	
UVR 4200 MF	3900	3650	3200	2300	1500	-	-	
UVR 5500 TF	4600	4300	3600	3200	1800	-	-	
UVR 6500 TF	6500	6000	5500	4300	2500	-	-	
UVR 7000 TF	-	7000	6800	6400	6100	5200	2800	

CHARACTERISTIC CURVES



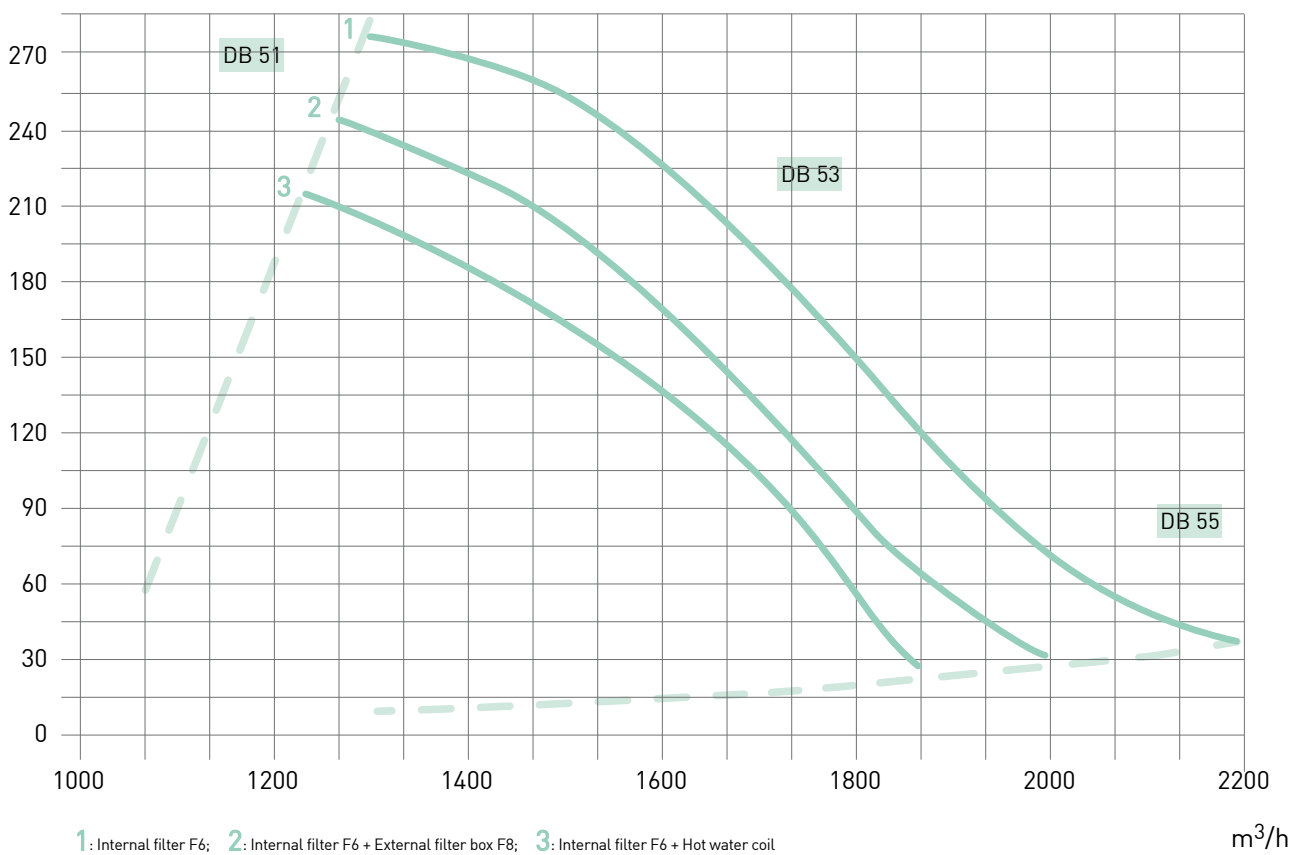
Pa

UVR 1400 MF



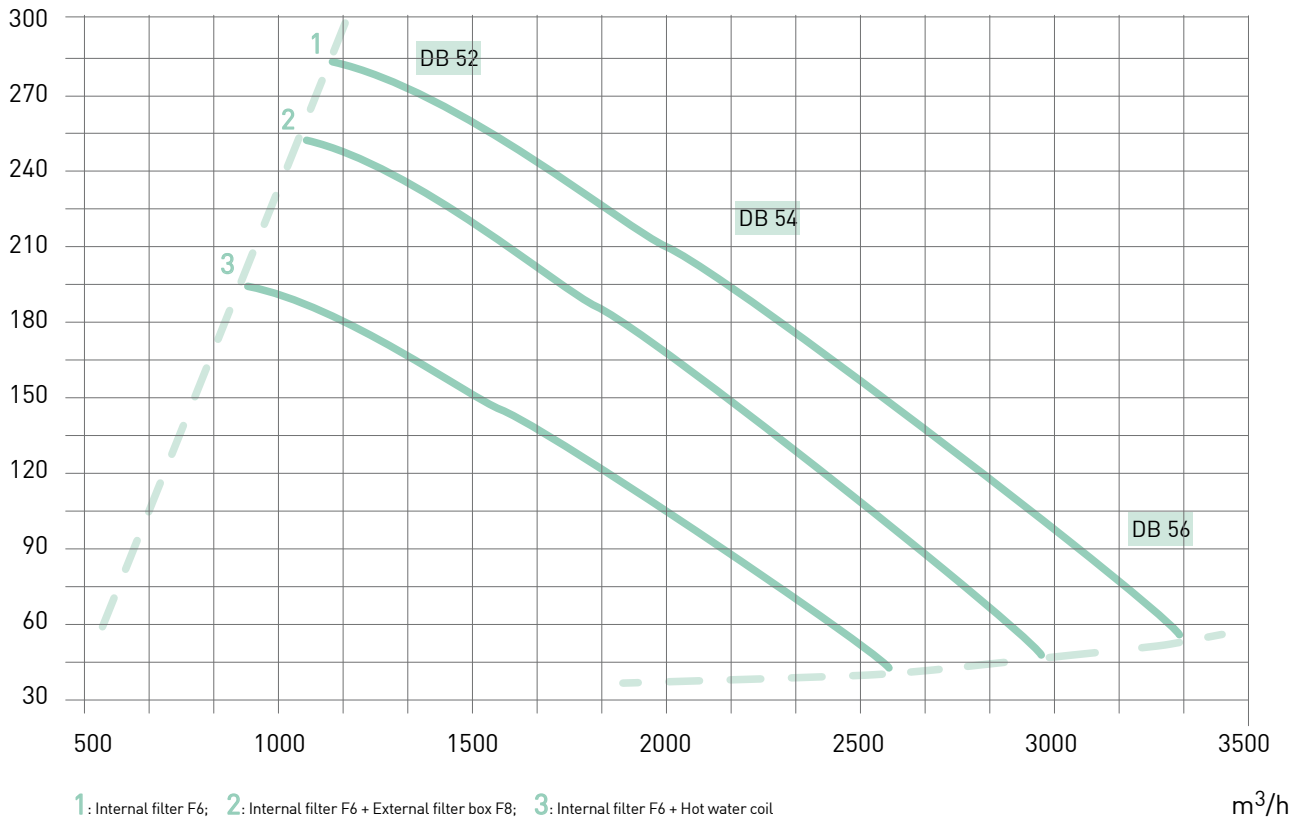
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UVR 2000 MF



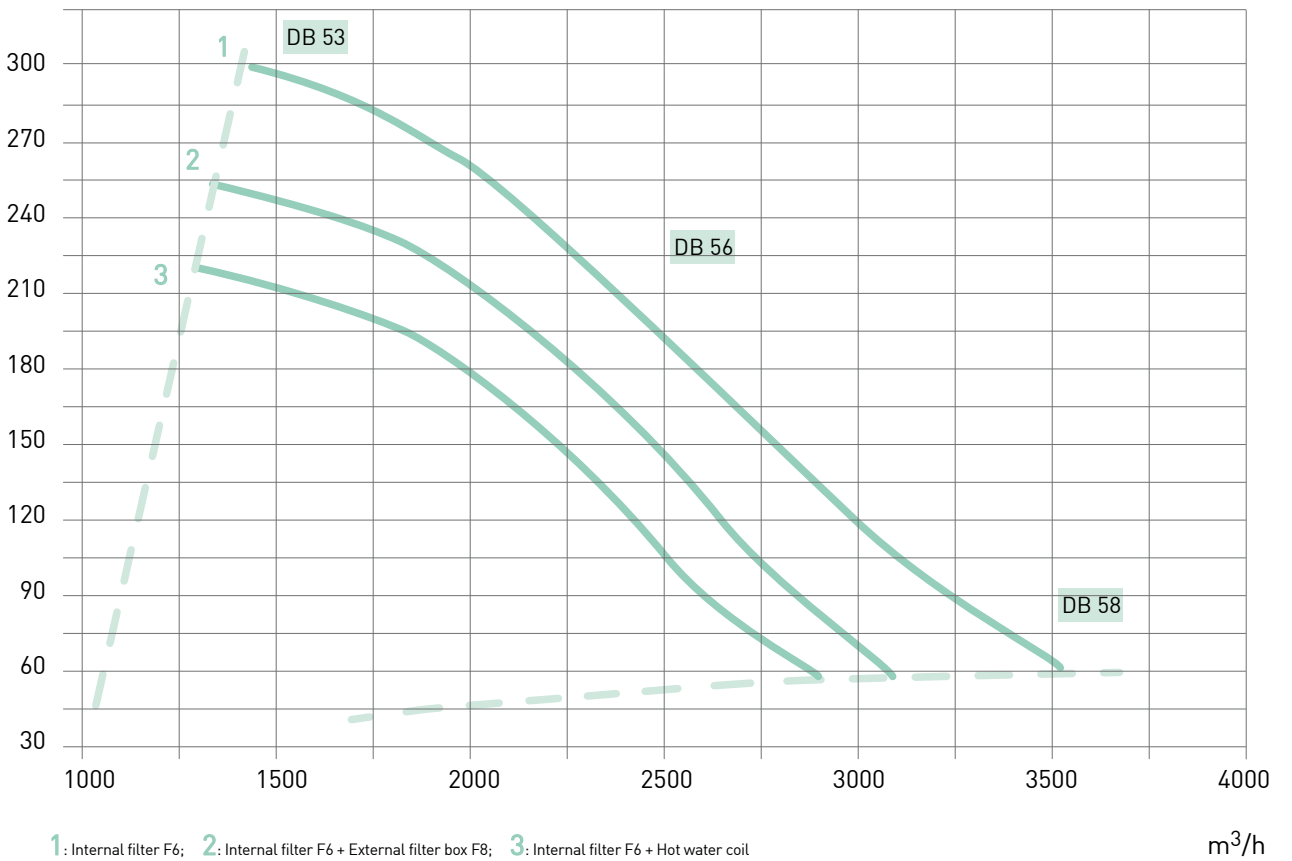
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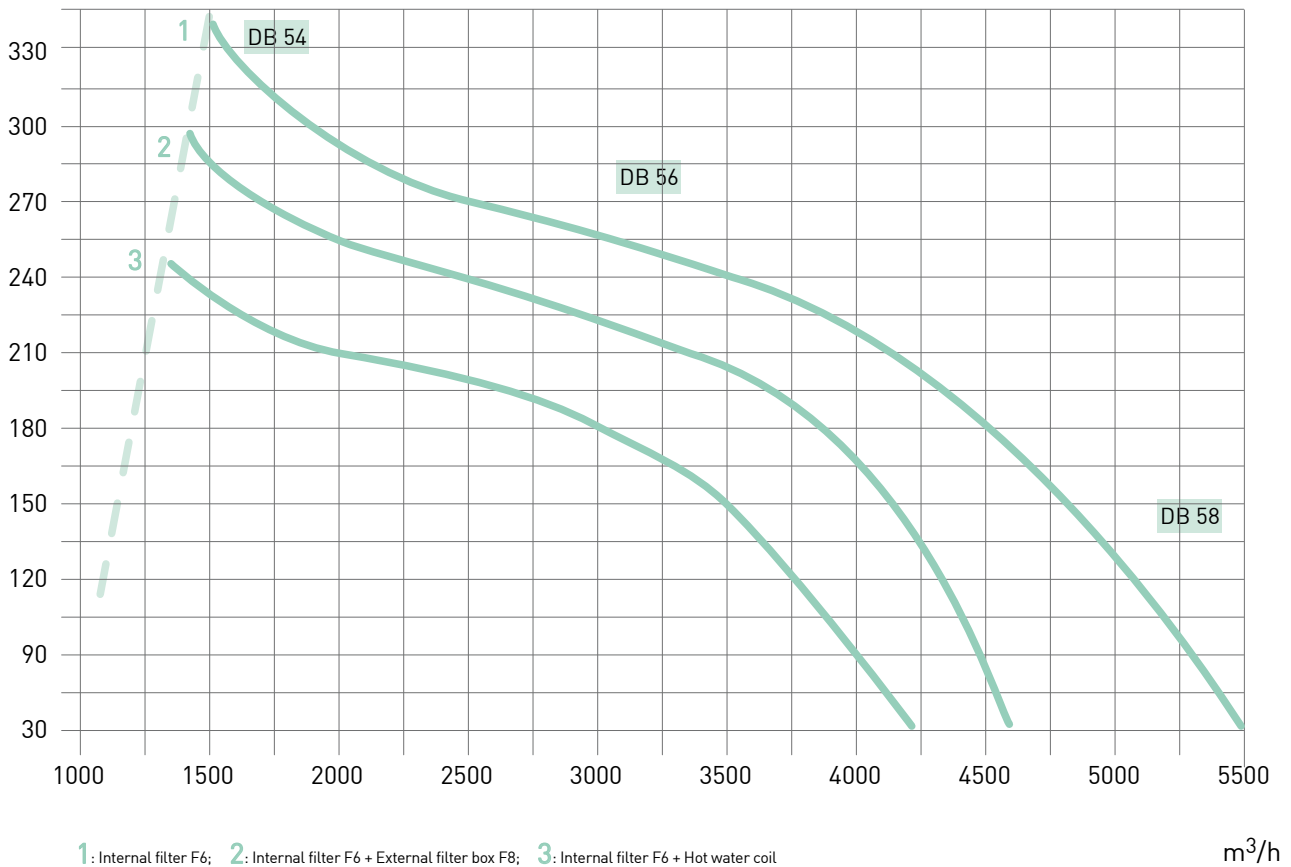
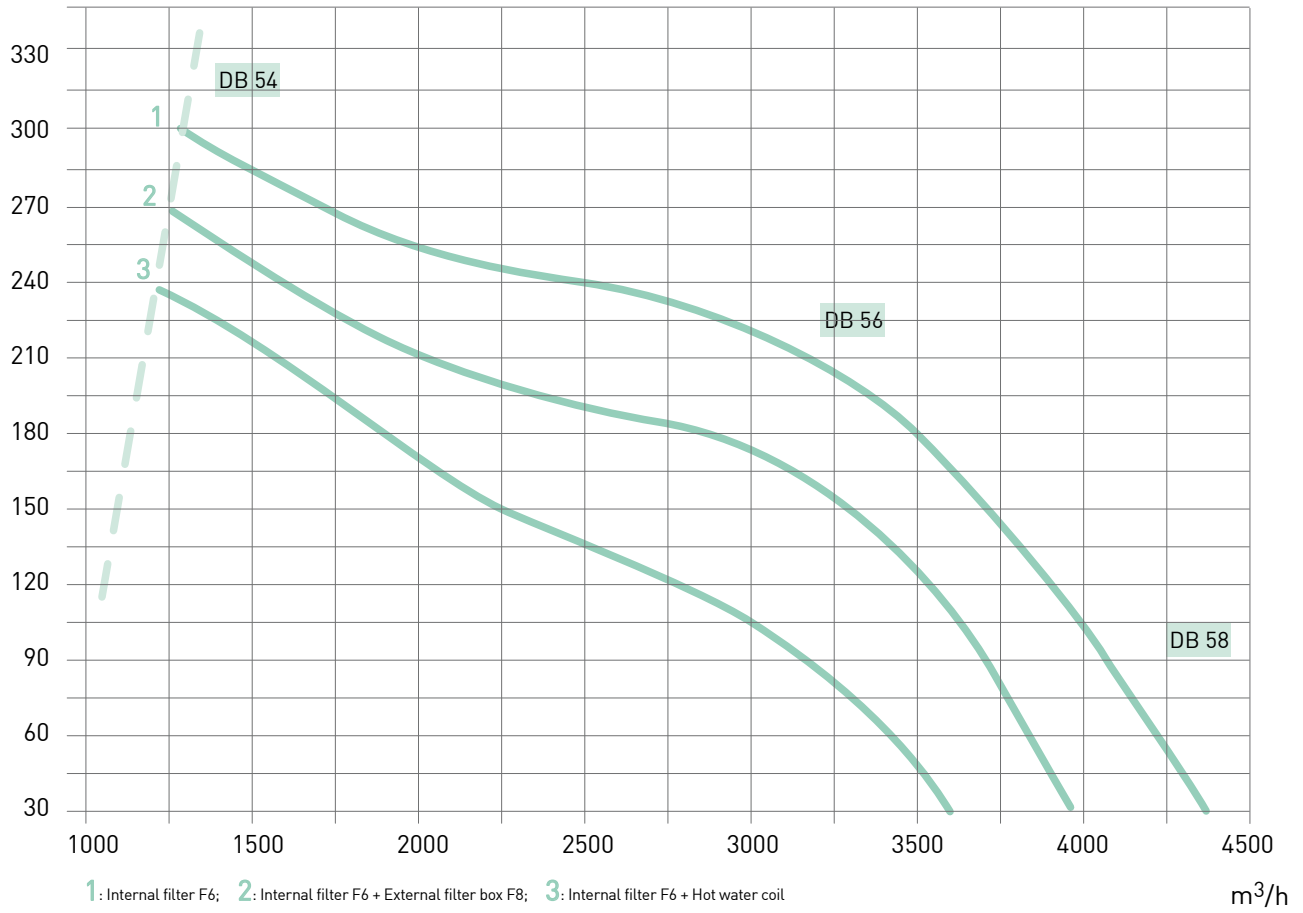
UVR 3000 MF



Pa

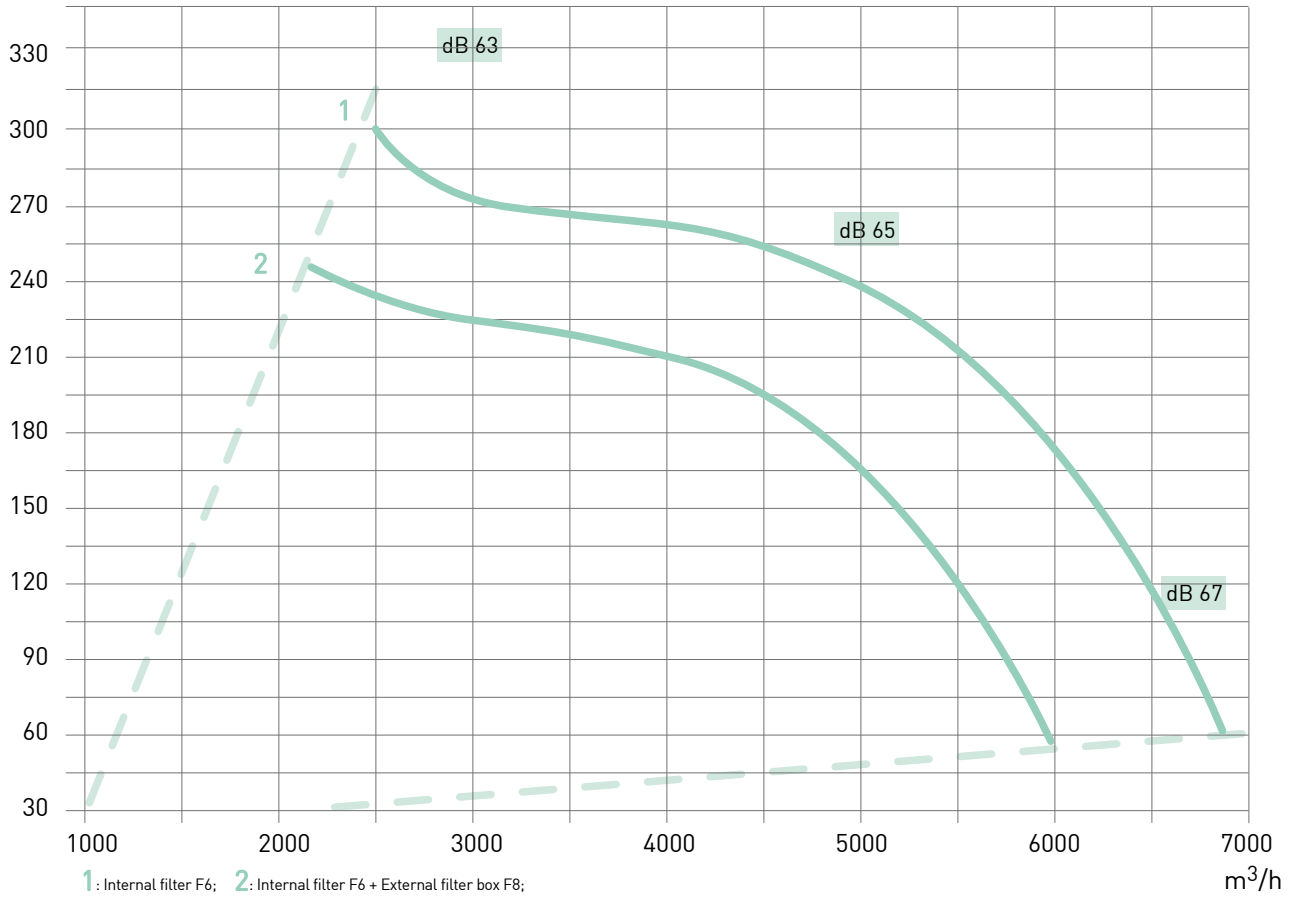
UVR 3500 MF





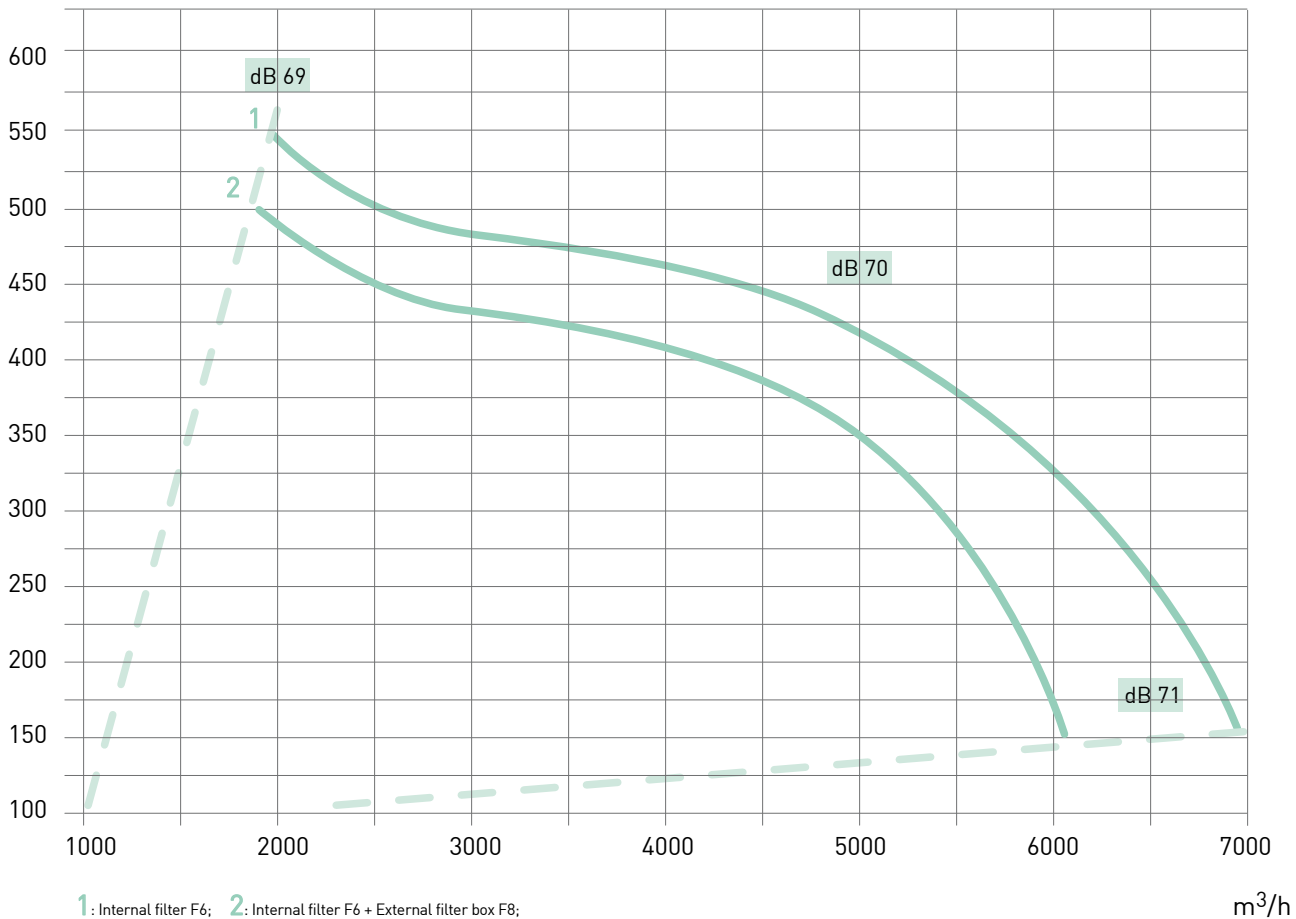
Pa

UVR 6500 TF

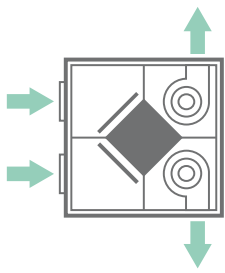


Pa

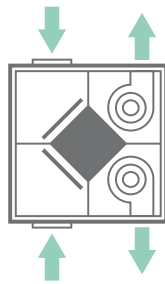
UVR 7000 TF



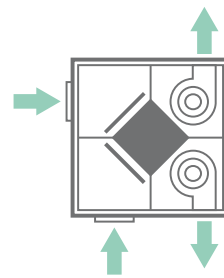
CONFIGURATIONS



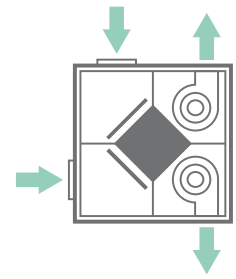
aD1



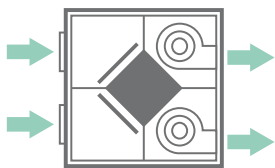
bD1
(standard)



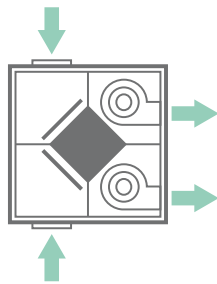
cD1



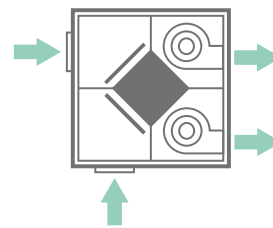
dD1



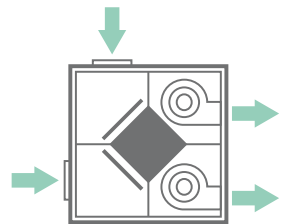
aD2



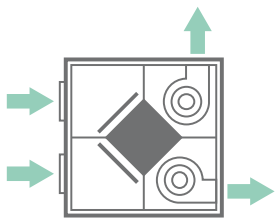
bD2



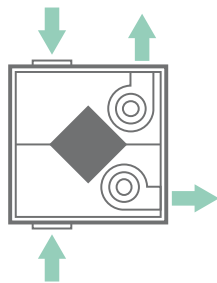
cD2



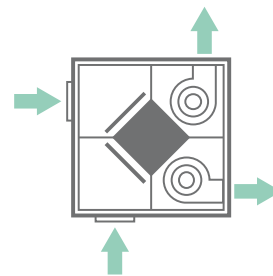
dD2



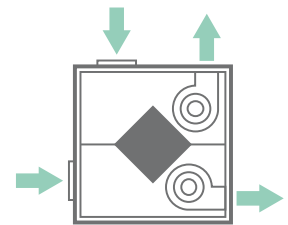
aD3



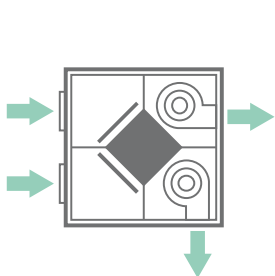
bD3



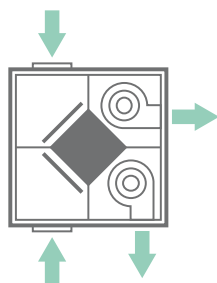
cD3



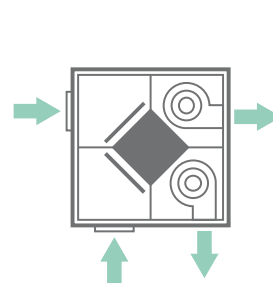
dD3



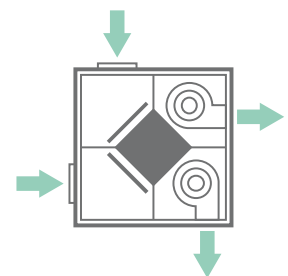
aD4



bD4



cD4



dD4

ACCESSORIES

HOT WATER COIL

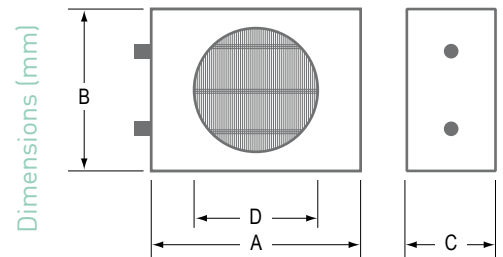
THERMAL OUTPUT

Technical data referring to the nominal flow rate, input air temperature 0°C – 50% r.h. and hot water 80/70 °C

CODE	MODEL	for	Thermal output kW	Ranges	Air output temp. °C	air output r.h. %	Pressure drop Pa	Ø coil connections
AP20100	BAC 5	UVR 550	4.14	2	23.1	11	17	1"
AP20105	BAC 10	UVR 1000	5.84	2	16.3	17	58	1"
AP20110	BAC 14	UVR 1400	13.9	2	27.7	8	34	1"
AP20115	BAC 20-30	UVR 2000	19.5	2	27.5	8	39	3/4"
		UVR 3000	23.4	2	27	12	81	3/4"
AP20120	BAC 35-42	UVR 3500	28.3	2	22.5	11	71	3/4"
		UVR 4200	31.3	2	20.7	12	99	1"
AP20125	BAC 55	UVR 5500	41.2	2	20.9	12	96	1"
AP20130	BAC 65-70	UVR 6500	62.5	2	29	8	32	2"
		UVR 7000	67.4	2	26.8	9	43	2"

DIMENSIONS

MODEL	mm				for
	A	B	C	ØD	
BAC 5	410	350	300	150	UVR 550
BAC 10	410	350	300	180	UVR 1000
BAC 14	620	350	300	250	UVR 1400
BAC 20-30	670	410	300	315	UVR 2000 - 3000
BAC 35-42	790	410	300	350	UVR 3500 - 4200
BAC 55	790	530	300	350	UVR 5500
BAC 65-70	1170	650	400	450	UVR 6500 - 7000



COLD WATER COIL

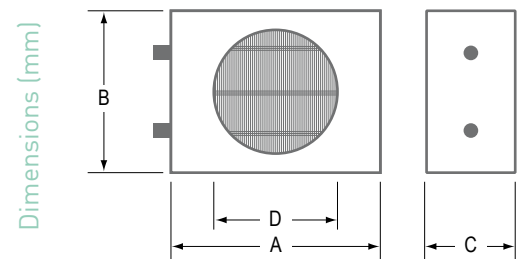
THERMAL OUTPUT

Technical data referring to the nominal flow rate, input air temperature 32°C – 50% r.h. and cold water 7/12 °C

CODE	MODEL	for	Thermal output kW	Ranges	Air output temp. °C	air output r.h. %	Pressure drop Pa	Ø coil connections
AP20200	BAF 5	UVR 550	1.13	2	25.5	73	20	3/4"
AP20205	BAF 10	UVR 1000	1.59	2	27	67	58	3/4"
AP20210	BAF 14	UVR 1400	2.61	2	26.1	70	34	1"
AP20215	BAF 20-30	UVR 2000	7.29	2	24	73	51	1"
		UVR 3000	7.55	2	25.6	70	96	1"
AP20220	BAF 35-42	UVR 3500	9.29	2	25.4	70	86	3/4"
		UVR 4200	10.1	2	25.8	69	117	3/4"
AP20225	BAF 55	UVR 5500	12.1	2	25.9	70	109	3/4"
AP20230	BAF 65-70	UVR 6500	25	2	23.4	73	53	3/4"
		UVR 7000	26.1	2	24	72	56	3/4"

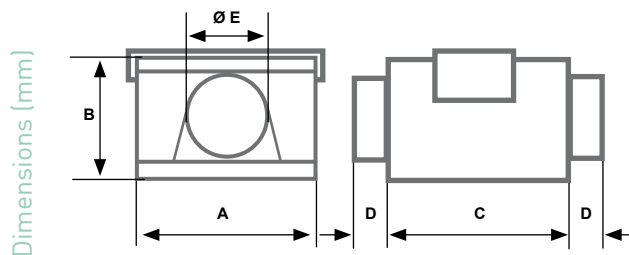
DIMENSIONS

MODEL	mm				for
	A	B	C	Ø	
BAF 5	410	350	300	150	UVR 550
BAF 10	410	350	300	180	UVR 1000
BAF 14	620	350	300	250	UVR 1400
BAF 20-30	670	410	300	315	UVR 2000 - 3000
BAF 35-42	790	410	300	350	UVR 3500 - 4200
BAF 55	790	530	300	350	UVR 5500
BAF 65-70	1170	650	400	450	UVR 6500 - 7000



HEATING BOX

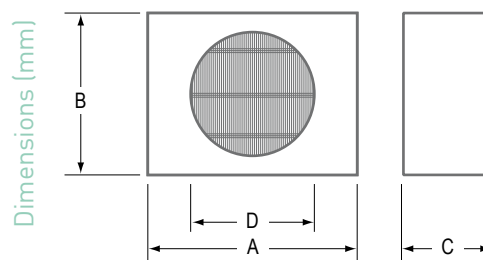
Heating box built with galvanised steel sheet and equipped with 230V - 50Hz single-phase electric resistor and control thermostat.



CODE	MODEL	A	B	C	D	ØE	Watt	Kg	for
AP19420	BRL 100	300	200	260	80	100	2000	5	UVR 550
AP19421	BRL 125	300	200	260	80	125	2000	5	UVR 1000
AP19422	BRL 150	300	200	260	80	150	3000	6	UVR 1400
AP19423	BRL 200	350	230	260	80	200	3000	6	UVR 2000
AP19424	BRL 250	350	280	260	80	250	4000	7	UVR 3000 - 3500
AP19425	BRL 315	400	350	260	80	315	4000	9	UVR 4200

F8 EXTERNAL FILTER MODULE

CODE	MODEL	mm				Filter Measurements	for
		A	B	C	Ø		
AP20400	BF 5	340	240	200	150	340 x 240 x 25	UVR 550
AP20405	BF 10	340	300	200	180	340 x 300 x 25	UVR 1000
AP20410	BF 14	450	340	200	250	450 x 340 x 25	UVR 1400
AP20415	BF 20-30	500	400	200	315	500 x 400 x 48	UVR 2000 - 3000
AP20420	BF 35-55	630	500	200	350	625 x 500 x 48	UVR 3500 - 4200 - 5500
AP20425	BF 65-70	630	700	200	450	625 x 700 x 48	UVR 6500 - 7000



SINGLE-PHASE REGULATORS

CODE	MODEL	to control standard models
AP2642	RDV 5-MF	UVR 550 - 1000 - 1400
AP2645	RDV 10D-MF	UVR 2000 - 3000 - 3500 - 4200



SMOKING ROOM KIT

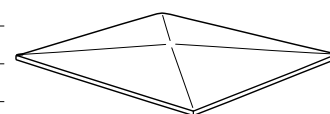
Signal light kit with control panel.

CODE	MOD.	Dimensions (mm)		for
		panel	light	
AP20550	KIT 3A	240 x 200 x 140	660 x 220	UVR 550 - 1000 - 1400
AP20555	KIT 10A	240 x 200 x 140	660 x 220	UVR 2000 - 3000
AP20560	KIT 15A	240 x 200 x 140	660 x 220	UVR 3500 - 4200



COVER

CODE	MODEL	mm		combined with
		width	depth	
AP20500	TP 5-10	850	850	UVR 550 - 1000
AP20505	TP 14	950	950	UVR 1400
AP20510	TP 20	1150	1150	UVR 2000
AP20515	TP 30	1350	1350	UVR 3000
AP20520	TP 35-70	1410	1410	UVR 3500 - 4200 - 5500 - 6500 - 7000



DUCT SECTION WITH MESH

This accessory expels air horizontally and prevents foreign objects and rain from getting into the fan.

CODE	MODEL	combined with
AP19350	TCE 7/7	UVR 550 - 1000
AP19351	TCE 9/7	UVR 1400
AP19352	TCE 9/9	UVR 2000
AP19353	TCE 10/8	UVR 3000
AP19354	TCE 10/10	UVR 3500 - 4200
AP19355	TCE 12/9	UVR 5500
AP19356	TCE 12/12	UVR 6500 - 7000

