

PROMATE

Environmentally and business-friendly duct-type filtering systems

A solid red square graphic element.

COMBOVENTO

Ecology Unit with Fan

developed against smoke, soot, grease and odor

PROMATE COMBOVENTO. X

Single-deck Ecology Unit



TECHNICAL PROPERTIES		X-25/35	X-25/52	X-50/52	X-50/70	X-75/70	X-75/87
Weight	(kg)	365	455	570	630	805	840
Max. E.S.P Flow	(m ³ /h)	2.500	2.500	5.000	5.000	7.500	7.500
Max. Carbon Flow	(m ³ /h)	3.500	5.250	5.250	7.000	7.000	8.750
Max. Total Flow	(m ³ /h)	2.500	2.500	5.000	5.000	7.000	7.500
Fan Motor Power	(kW)	2,2	2,2	4	4	5,5	5,5
Fan Motor Speed	(rpm)	1.500	1.500	1.500	1.500	1.500	1.500
Noise Level	db(A)	88,5	88,5	86,6	86,6	88,6	88,6
No. of Cartridges	(pcs)	16	24	24	32	32	40
Amount Of Carbon	(Kg)	48,0	72,0	72,0	96,0	96,0	120,0
Max. Velocity for Carbon	(m/s)	0,36	0,24	0,48	0,36	0,54	0,43
Dwelling Time for Carbon	(s)	0,119	0,179	0,089	0,119	0,079	0,099
Input Voltage	(V/F/Hz)	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50
Collector Cell Surface	(m ²)	14,2	14,2	28,4	28,4	42,6	42,6
No. of Collector Cells	(pcs)	1	1	2	2	3	3
No. of Ionizers	(pcs)	1	1	2	2	3	3

DIMENSIONS

Height	(mm)	745	745	745	745	865	865
Width	(mm)	745	1.000	1.195	1.360	1.690	1.690
Length	(mm)	2.555	2.555	2.720	2.720	2.720	2.720
Output Duct Section (HxL)	(mm)	225x225	225x225	320x320	320x320	400x400	400x400
Input Duct Section (HxL)	(mm)	665x425	665x425	665x875	665x875	785x1.320	785x1.320
Carbon Filter Cover	(mm)	180	180	250	250	315	315
Electrostatic Filter Cover	(mm)	455	455	455	455	455	455
Collector Cell	(mm)	785	785	785	785	785	785
Fan Motor Cover	(mm)	620	620	620	620	620	620
Collector Cell Dimensions	(mm)	480x460x280	480x460x280	480x460x280	480x460x280	480x460x280	480x460x280

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PROMATE COMBOVENTO. 2X

Double-deck Ecology Unit



TECHNICAL PROPERTIES		2X-25/70	2X-25/105	2X-50/105	2X-50/140	2X-75/140	2X-75/175
Weight	(kg)	554	689	850	947	1.177	1.247
Max. E.S.P Flow	(m³/h)	5.000	5.000	10.000	10.000	15.000	15.000
Max. Carbon Flow	(m³/h)	7.000	10.500	10.500	14.000	14.000	17.500
Max. Total Flow	(m³/h)	5.000	5.000	10.000	10.000	15.000	15.000
Fan Motor Power	(kW)	4	4	5,5	5,5	11	11
Fan Motor Speed	(rpm)	1.500	1.500	1.500	1.500	1.500	1.500
Noise Level	db(A)	86,6	86,6	87,5	87,5	92,5	92,5
No. of Cartridges	(pcs)	32	48	48	64	64	80
Amount Of Carbon	(Kg)	96	144	144	192	192	240
Max. Velocity for Carbon	(m/s)	0,36	0,24	0,48	0,36	0,54	0,43
Dwelling Time for Carbon	(s)	0,119	0,179	0,089	0,119	0,079	0,099
Input Voltage	(V/F/Hz)	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50
Collector Cell Surface	(m²)	28,4	28,4	56,8	56,8	85,2	85,2
No. of Collector Cells	(pcs)	2	2	4	4	6	6
No. of Ionizers	(pcs)	2	2	4	4	6	6

DIMENSIONS

Height	(mm)	1.360	1.360	1.360	1.360	1.360	1.360
Width	(mm)	745	1.000	1.195	1.360	1.690	1.690
Length	(mm)	2.720	2.720	2.885	2.885	3.050	3.050
Output Duct Section (HxL)	(mm)	320x320	320x320	450x450	450x450	570x570	570x570
Input Duct Section (HxL)	(mm)	1.280x425	1.280x425	1.280x875	1.280x875	1.280x1.320	1.280x1.320
Carbon Filter Cover	(mm)	250	250	355	355	450	450
Electrostatic Filter Cover	(mm)	455	455	455	455	455	455
Collector Cell	(mm)	785	785	785	785	785	785
Fan Motor Cover	(mm)	620	620	620	620	620	620
Collector Cell Dimensions	(mm)	480x460x280	480x460x280	480x460x280	480x460x280	480x460x280	480x460x280

PROMATE COMBOVENTO. 3X

Triple-deck Ecology Unit



TECHNICAL PROPERTIES		3X-75/262
Weight	(kg)	1.850
Max. E.S.P Flow	(m³/h)	22.500
Max. Carbon Flow	(m³/h)	26.250
Max. Total Flow	(m³/h)	22.500
Fan Motor Power	(kW)	11
Fan Motor Speed	(rpm)	1.500
Noise Level	db(A)	91,3
No. of Cartridges	(pcs)	120
Amount Of Carbon	(Kg)	360
Max. Velocity for Carbon	(m/s)	0,43
Dwelling Time for Carbon	(s)	0,099
Input Voltage	(V/F/Hz)	380/3/50
Collector Cell Surface	(m²)	127,8
No. of Collector Cells	(pcs)	9
No. of Ionizers	(pcs)	9
DIMENSIONS		
Height	(mm)	2.020
Width	(mm)	1.690
Length	(mm)	3.215
Output Duct Section (HxL)	(mm)	715x715
Input Duct Section (HxL)	(mm)	1.940x1.320
Carbon Filter Cover	(mm)	560
Electrostatic Filter Cover	(mm)	455
Collector Cell	(mm)	785
Fan Motor Cover	(mm)	620
Collector Cell Dimensions	(mm)	480x460x280

PROMATE COMBOVENTO

Stationary duct-type ecology unit, used to prevent smoke, odor, grease, soot release to environment from industrial kitchens.

PROMATE COMBO is a state-of-the-art filtering solution by means of electrostatic precipitation principle, developed by Alize Mühendislik which consists of electrostatic filter, carbon filter and fan.

Maximum
Humidity for
Operation
% 95

Maximum
Operating
Temperature
65° C

Origin
**Turkey
Netherlands**

Off-Device
Pressure Loss
330 Pa

Device
Pressure Loss
<520 Pa

Carbon
Type
GXB

Filter
Efficiency
(0,3-5 µm)
87-99%

Optional
**Pre Filter
Final Filter
Oil Tap**

Fan Type
Radial/Plug

PROMATE COMBOVENTO BENEFITS:

- Blocks the release of dirty and greasy air to environment
- "Forever Filter" system cuts costs to a minimum
- Avoids accumulation of grease in duct system. Minimizes fire hazards
- Fan and filters lasts longer
- 99% air filtering can be achieved by means of optional installation models
- Activated Carbon Filters are useful products harmless for human health
- By having an extremely porous inner surface they catch and collect odor molecules
- No performance loss thanks to direct air transition between electrostatic and carbon filters
- No time loss during installation because of its compact and installation friendly construction
- Unit can be utilized as a bench (with adequate project support)
- The unit can be installed outdoors thanks to its sturdy body vvhich is very resistant against elements

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