

Tigemma®

„YOUR PARTNER FOR MACHINERY AND CLEAN AIR“

TECHNICAL DATA-SHEET

Filtering tower TIGTOWER 1200

The TIG TOWER 1200 provides a low cost flexible alternative to large fixed fume extraction systems. It will provide an improvement in the localised air quality inside the production hall adjacent to welding operations.

Product name	TIGTOWER1200
Installation	Indoor
Operating Temperature	0°C /+40°C
Maximum exhaust air temperature	0°C /+40°C without condensation
Dimensions after installation (LxWxH) mm	2011 x 1790 x 3880
Weight	1513 kg

Max.extraction capacity	12000m ³ /h
Maximum volume of exhausted space	1500m ³
Filter surface	180m ²
Filter surface	D327x1205mm
Number filter elements	9pcs
Filter elements	Polyester with PTFE membrane 973001
Classification of filter material	according DIN EN 60335 classification "M"
Filter efficiency for dust 0,2-2 mikrons	99,96%
IFA (BGIA) certificate for filter material	YES
Capacity Dust collection container	30 liter
Noise level according EN ISO 11202:1997	70 dB(A)
Control system	V430-J-T2
Designed for welding fumes	



- 1 Signal light - machine in operation
- 2 Sucking of the filtering tower
- 3 Manipulation loops
- 4 A fan without a spiral box
- 5 Air chamber
- 6 Control system
- 7 Filtering cartridges
- 8 Outlet of the filtering tower
- 9 Space for waste separation
- 10 Manipulation holes for air piping

Transport	
Dimensions for transport (LxWxH) mm	3700 x 2100 x 2100
Weight for transport	1610 kg
Equipment for installation	
Crane	capacity Min 1650 kg (required for installation into the working position)
Forklift	capacity Min 1650 kg (for handling from a truck)

TigTower equipment power supply	
Recommended circuit breaker (with cable length max.20m)	32A characteristic C or D
Recommended type of power cable	H07RN-F 564 (CGTG 5Cx4) cable for moving leads
Inlet socket installed on the filter unit	400 V 32A 5P 6h (male)
Rated power of the filter device	7,5 kW
Maximum input power of the filter device	8,53 kW
Nominal current	8,4 A
Maximum current	14 A
Grounding	wire CYA 2.5 GNYE H07V-K according to ČSN 330360 p.2

Compressed air	
Compressed air supply (pressurised air quality , class 2:4:2 accordance with ISO 8573-1)	5,5 / 6 bar clean and dry , oil-free
Compressed air supply	1/2" compressed air tube with a 1/2 valve
Operating pressure of the pneumatic cleaning systém	4,9 / 5,3 bar
Compressed air consuption at 6 bar	0,84m³/min - 10 min, max. 6,7 m³/h
Pre-coat	AlSi

Connection to remote diagnostics (option)	Ethernet cable (UTP cable with RJ45) Modem, Information on request
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Location TigTower

Place Tigtower in the center of the source of fumes and dust

Keep the minimum distance from the walls and keep the minimum distance for service and control see the picture 1

Required supply of fresh (outdoor) air

