

PRODUCER



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TECHNICAL DATA-SHEET

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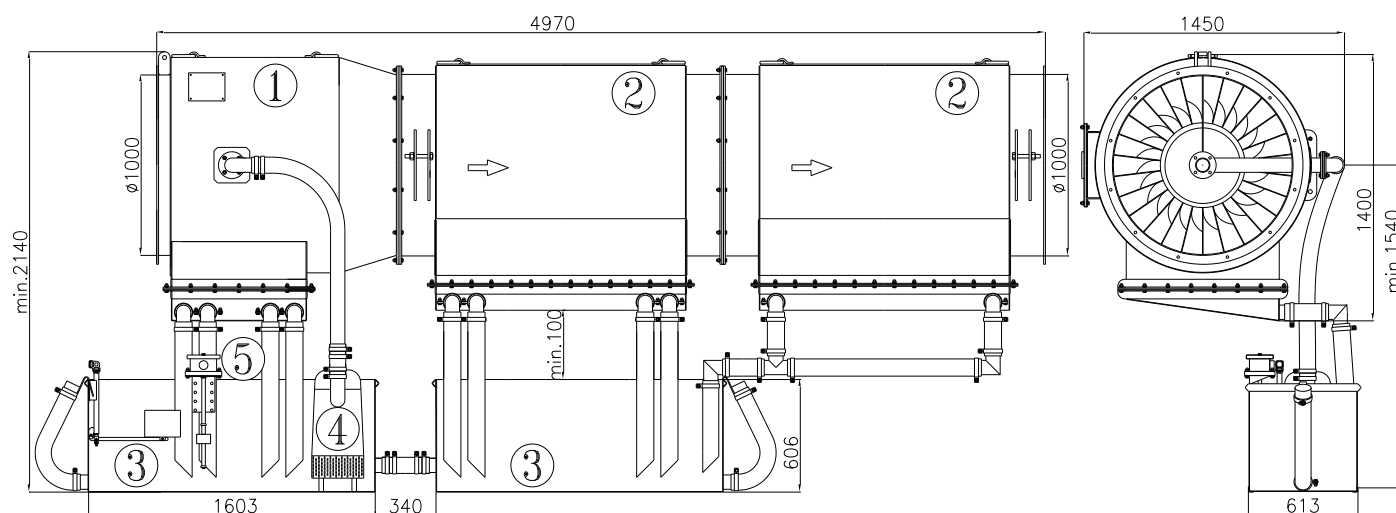
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Dust Collector UO-1000/1000/***



1-Air washer chamber; 2-Droplet separator; 3-Water tank (with float valve); 4-Impeller water pump; 5-Water level controller

Table. Key technical parameters of the Dust Collector type UO-1000/1000/***

Parameter	Unit of Measure	UO-1000/1000	UO-1000/1000/W	UO-1000/1000/DW	UO-1000/1000/DW/W
Capacity range	m ³ /min	400 ÷ 800			
Water use	dm ³ /min	1 ÷ 15			
Total length	mm	4970	4970	5615	5615
Inlet and outlet diameter	mm	1000 (or 800)			
Total weight, about	kg	2026	2050	2418	2442
Dedusting efficiency – total / respirable	%	97,4 / 90,1	99,3 / 97,4	99,4 / 97,6	99,7 / 98,7
Acoustic pressure level	dB(A)	below 70			
Flow resistance at capacity 500 m ³ /min	Pa	-	1290	-	1560
Flow resistance at capacity 600 m ³ /min	Pa	1550	1860	1920	2250
Type of impeller water pump	-	P-2BA/***			
• Nominal supply voltage	V	in accordance with the requirements of the Customer			
• Power of electric motor	kW	minimum 4,0			
Type of water level controller	-	CP-2d/1 or CPC-*ET			
Corrosion protection	-	zinc-plated			

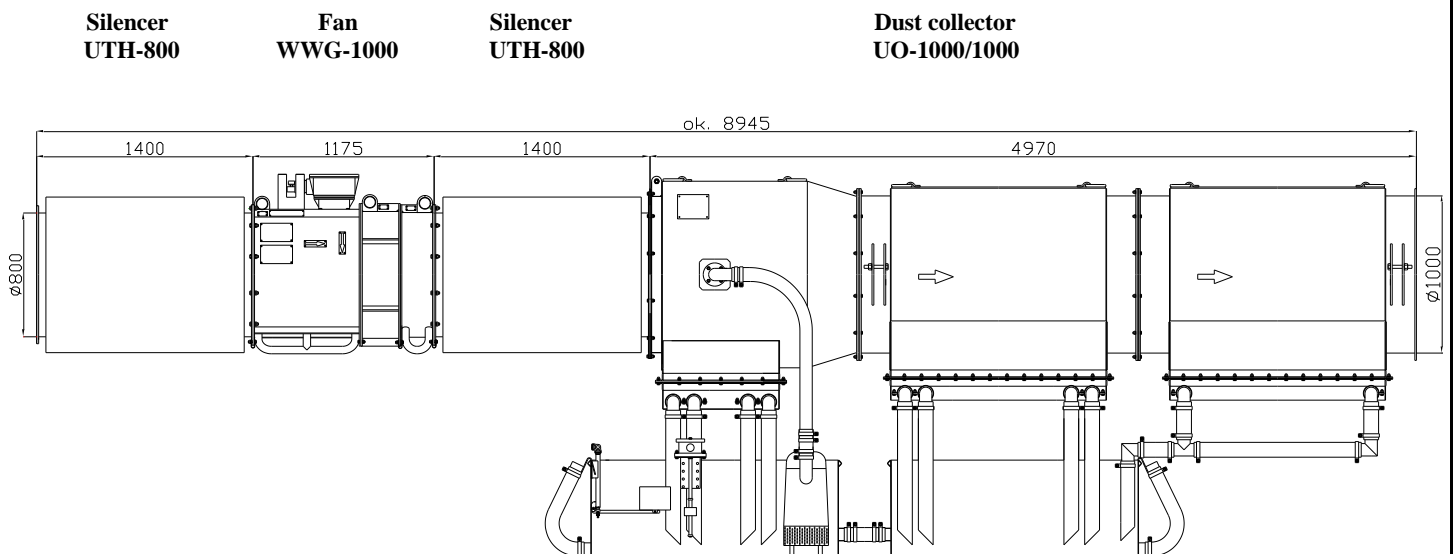
/*** - variant of performance e.g.: W- used corecting insert, DW – used the Whirl Jet.

Scope of using

- The Dust Collectors type UO-1000/1000/*** are designed to remove dust from the air flowing through them, especially coal dusts, coal-stone dusts, stone dusts and industrial dusts. Dust is removed by the wet method. The device works in closed-circuit of water.
- The Dust Collectors type UO-1000/1000/*** are adapted to work in mines, in which there is methane hazard (excavation with degree of „a”, „b” and „c” of methane explosion hazard) and coal dust explosion hazard (excavation with class of „A” and „B” of coal dust explosion hazard). Device is comply with the requirements of the Minister of Economy of 22 December 2005 (Journal of Laws No. 263 of 2005, item 2203) and they are devices of group I category M2.
- The Dust Collector type UO-1000/1000/*** is adapted to work in mining excavations driving by roadheaders, ventilated by combined or exhaust ventilation.
- The Dust Collector type UO-1000/1000/*** can work as a stationary devices for dedusting chutes, tippers, chambers in the mines and in coal processing plant, also for dedusting air in a free cross-section of excavation.
- The Dust Collector type UO-1000/1000/*** can also be used outside of mining, e.g. in coke plants, power plants, heating plants, production facilities which have separate areas with hazard of dust explosion.
- The Dust Collector type UO-1000/1000/*** is adapted to cooperation with fan type WWG-1000/*** and other types of fans.
- In the Dust Collector can be apply additional commercial equipments e.g. Whirl Jet, inlet guiding vanes, droplet pre-separator, reduction connectors, draining ducts with diameters of 80÷120mm, connecting elements, bearing elements.

Dust Collector UO-1000/1000/* is certified.**
The Certificate of Conformity No. KOMAG/07/MD/ATEX/ST/224,
issued by KOMAG Mining Mechanization Centre
Attestation Tests Division, Certifying Body (No. 1456).

Examples of cooperations



*Example of the cooperation between Dust Collector type UO-1000/1000
and fan type WWG-1000 with two silencers type UTH-800*