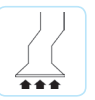




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*ERGO extraction arm
hanging version*

Application

The ERGO extraction arms are designed for dust and welding fume extraction, as well as for capturing other fine-grained dust particles. The pollutants are captured directly at the emission source, avoiding their expansion within the room and inhaling by people.

The arms are manufactured in a hanging or standing version. The extraction arm can work independently with a single extraction fan or in a group of local exhausts connected to the main collecting ductwork with a central fan.

Structure

The extraction arm consists of following assemblies:

- swivel,
- hood,
- two pipe segments integrated by frictional joints,
- gas springs to balance the weight of the subsequent segments,
- shut-off damper.

Operational use

For installing the arm on the wall or column serves a wall bracket, where additionally a suitable fan or connection ferrule can be fastened. Adequately adjusted frictional joints, along with the springs, provide convenient arm manoeuvring and position adjustment. The suction hood can be equipped with a halogen spotlight to light up the work field.

Recommended volume flows for following arm sizes are:

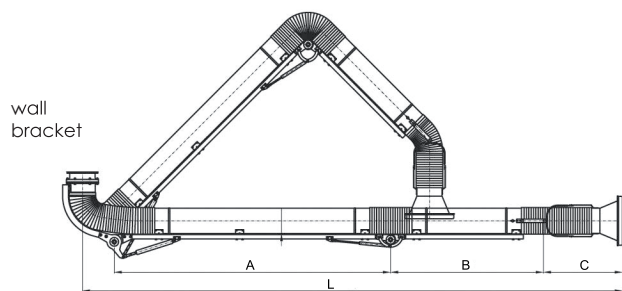
- 1200 cfm for Dn=8" (ERGO-D)
- 600 cfm for Dn=6" (ERGO-L)
- 400 cfm for Dn=5" (ERGO-K)
- 200 cfm for Dn=4" (ERGO-M)



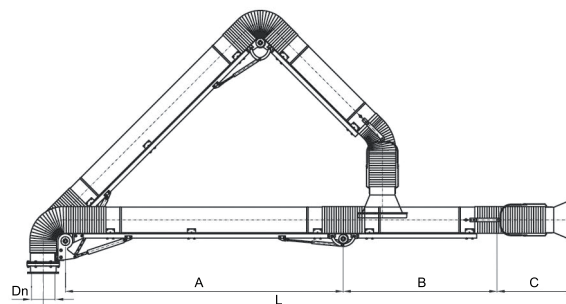


local extraction - **ERGO** extraction arms

hanging version



standing version



Technical data

		Type	Part No.	Dimensions					Weight [lb]
				Dn [in]	L [ft]	A [in]	B [in]	C [in]	
Hanging version	Standard hood	ERGO/M-1,5	710R32	3.9	5.9	24.8	18.5	16.1	22.2
		ERGO/M-2	710R31		7.2	35.4	19.3		24.0
		ERGO/M-3	710R67		10.2	60.2	32.1		40.3
		ERGO/M-4	710R40		12.2	75	41.3		36
		ERGO/K-2	710R33	4.9	7.6	41.3	23.2	15.6	27.5
		ERGO/K-3	710R34		9.8	60.6	33.5		30.8
		ERGO/K-4	710R02		12.2	75	41.3		36
		ERGO/L-2	710R56	6.3	7.6	37.4	22.6	21.1	35.6
		ERGO/L-3	710R64		10.2	60.2	32.1		40.3
		ERGO/L-4	710R72		12.1	75.2	41.1		45.8
		ERGO/D-2	710R74	7.9	7.6	34.6	25.4	21.1	46.2
		ERGO/D-3	710R75		10.5	60.2	32.1		55.9
		ERGO/D-4	710R76		12.1	75.2	41.1		77.2
Standing version	Standard hood	ERGO/M-1,5-R	710R35	3.9	5.3	24.8	18.5	16.1	23.1
		ERGO/M-2-R	710R36		6.9	35.4	23.2		26.8
		ERGO/K-2-R	710R37	4.9	7.2	41.3	23.2	15.6	26.0
		ERGO/K-3-R	710R38		9.5	60.6	33.5		31.2
		ERGO/L-2-R	710R57	6.3	7.2	37.4	22.6	21.1	33.0
		ERGO/L-3-R	710R65		9.8	60.2	32.1		37.6
		ERGO/L-4-R	710R73		11.8	75.2	41.1		42.5
		ERGO/D-2-R	710R77	7.9	7.2	37.4	22.6	21.1	39.6
		ERGO/D-3-R	710R78		9.8	60.2	32.1		52.1
		ERGO/D-4-R	710R79		12.1	75.2	41.1		71.3

Hoods

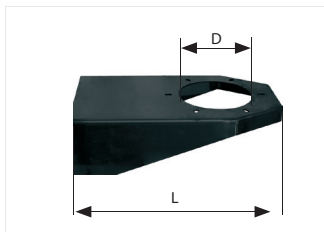
Sort of hood	Material	Type	Part No.	d [in]	D [in]	Weight [lb]	Equipment
	aluminium	MSA	810H20	4	9.6	0.66	– replaceable inlet grill
		KSA	810H21	5	9.6	0.88	
	aluminium	LSA	810H22	6.8	13.0	1.37	– replaceable inlet grill
		DSA	810H23	8.5	14.9	1.57	



Wall brackets

Sort of wall bracket	Material	Type	Part No.	S [in]	Weight [lb]	Adapted for extraction arms
	steel plate	WB-ERGO K/S	817W37	109	16	ERGO-M/Z ERGO-K/Z
		WB-ERGO L/S	817W27	71	9	ERGO-L/Z
		WB-ERGO D/S	817W38	109	15	ERGO-D/Z

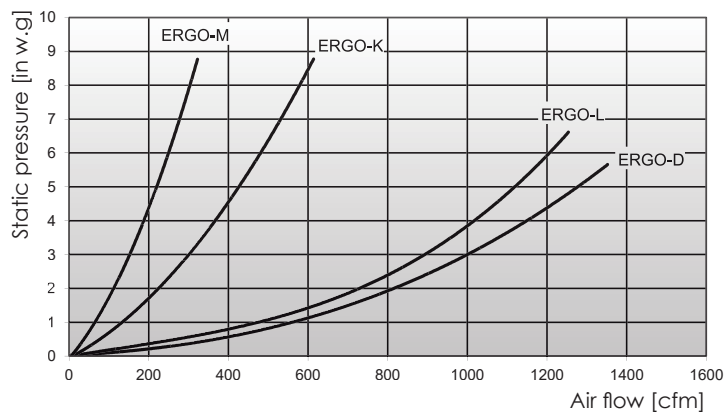
Wall brackets



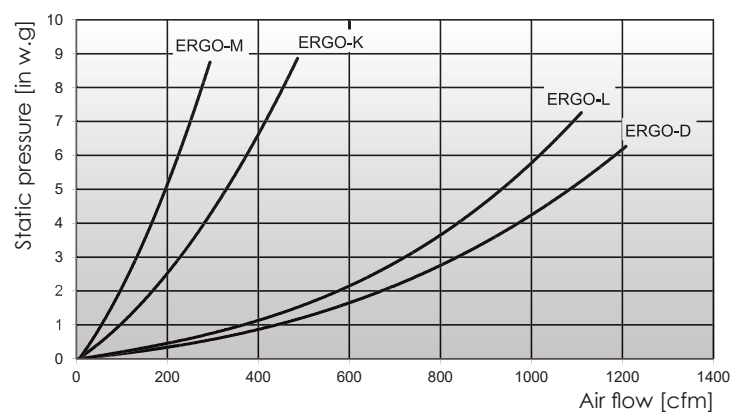
Type	Part No.	D [in]	L [in]	Weight [lb]
WBN-125	817W13	5	14	6.66
WBN-160	817W14	6	17.5	8.88
WBN-200	817W15	8	20	13.5

Flow charts of the ERGO extraction arms

Straight arm

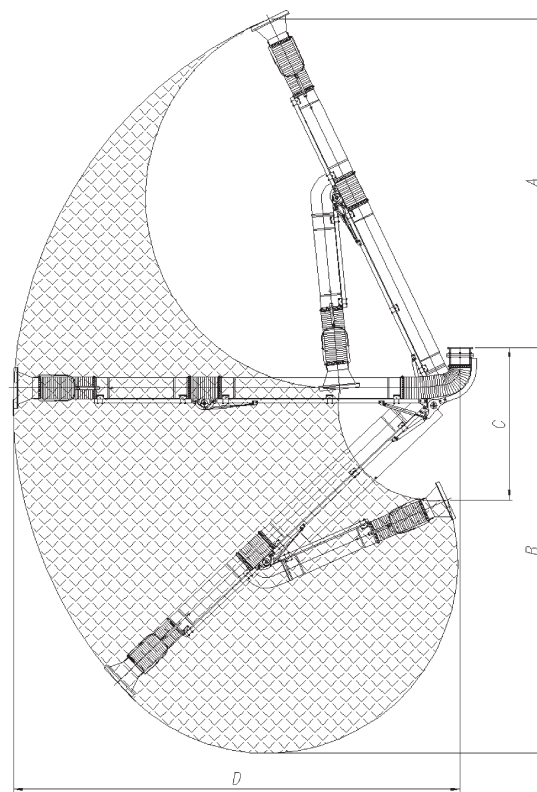
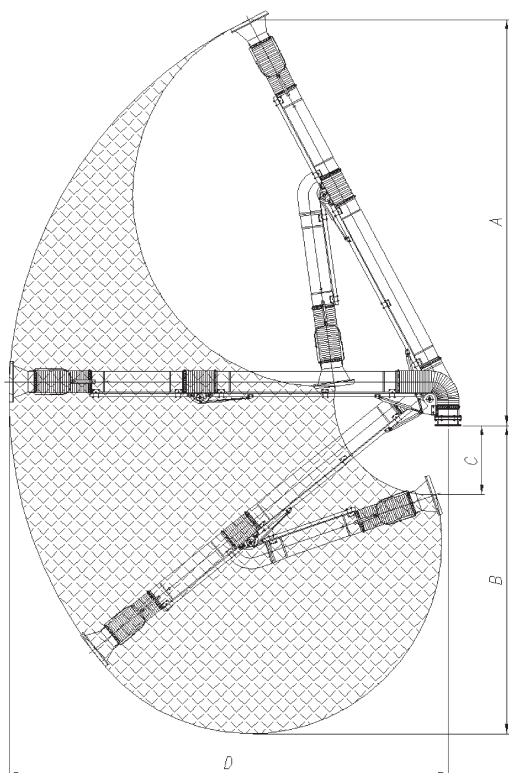


Bent arm





ERGO work ranges



Type	A [ft]	B [ft]	C [ft]	D [ft]
ERGO-S/L;D-2-R	6.92	4.88	0.40	7.26
ERGO-S/L;D-3-R	9.30	6.86	1.34	9.95
ERGO-S/L;D-4-R	11.07	8.40	1.88	11.95

Type	A [ft]	B [ft]	C [ft]	D [ft]
ERGO-S/L;D-2	4.72	5.41	2.62	7.48
ERGO-S/L;D-3	7.20	9.48	3.02	10.17
ERGO-S/L;D-4	8.96	11.06	4.15	12.17