

Streamline Welding Modular Hood Nederman

Welding fume collection hood



General description

The Streamline Welding Modular Hood is a configurable capture hood designed to control welding fume on both manual and automated welding applications by containing the fume near the source to be safely extracted to the dust collection system. The hood prevents fumes and dust from migrating throughout the facility improving worker health and safety and reducing maintenance and cleaning costs. Local containment also offers a more economical and energy efficient solution compared to conventional hoods or ambient air cleaning by reducing the total air volume required.

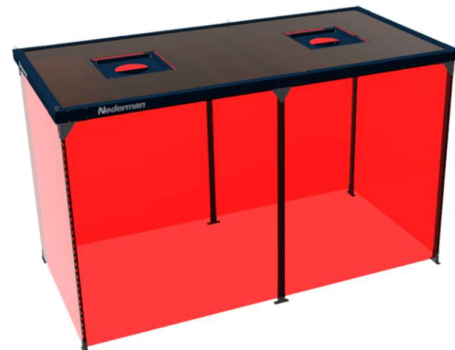
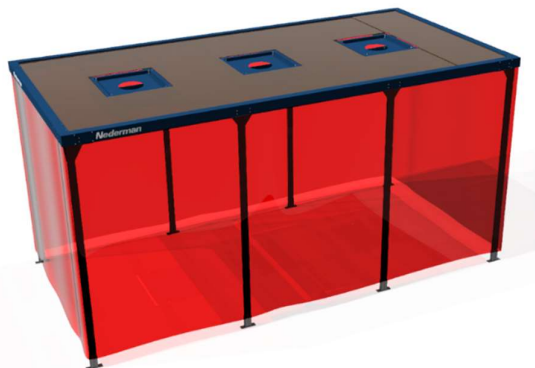
Product variants

The hood is available in many sizes and variants starting from 1.5x1.5m. The frame can increase its width or length in 0.5m increments.

The hood frame can be placed on legs with heights from 3m to 6m. The height of the legs can be adjusted to the design of the stand.

The number of legs depends on the size of the frame (4, 6 or 8 legs).

The frame can also be suspended from the roof using chains attached to eyebolts, which are included in the set.



Main components description

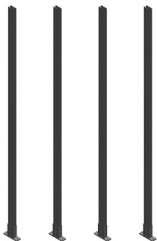
Main components	Description
Frame	The frame is made of powder-coated steel. Panels of different lengths are screwed together using angle brackets and sheet metal screws. The frame is stiffened with support beams.
Adjustable leg height	The legs are made of galvanized steel. The thickness of the sheet metal of the legs up to 3m is 2.5mm, while the 6m legs are 3mm. The 6m legs consist of 3 parts and their height can be adjusted telescopically.
Transparent polycarbonate roof	8mm cellular polycarbonate plate. The plate is non-flammable, does not spread fire. Because it is transparent, it transmits the necessary amount of light and looks aesthetically pleasing.
Flanged outlet φ250-φ450mm	Outlet plate with a hole of various diameters from φ250 to φ450 mm. The size of the hole and the number of outlets depends on the size of the hood and the air flow. Possibility of connecting spiro pipe extraction via a spiro flange.
Baffle plate for improved capture & spark deterrence	The pre-separation plate prevents larger and hot particles from entering the installation and reduces the risk of fire. Possibility to purchase a spark arrester and install it on the ducts.
Weld curtain	The welding curtain hung around the welding station protects against visible light radiation (blue light) and invisible light radiation (IR and UV). The curtain is fireproof. The curtain complies with the standards ISO 4892; EN ISO 25980; DIN 52210; EN13501-1:2007, DIN 53438T2.
Foot pads anchoring to ground or loop bolt.	The legs have feet that can be anchored to the ground. The frame has eyebolts that are used to mount the frame and to hang it from the ceiling.

Streamline Welding Modular Hood / Technical data

Technical data

Frame Item	Frame dimensions		No of outlets	Design outlet [mm]	Design airflow [m3/h]	Max airflow [m3/h]	Number of m of curtain for 3m height	Number of m of curtain for 6m height
	Width [m]	Lenght [m]						
73009911	1,5	1,5	1	φ250	2000	2700	14	28
73009912	2,0	1,5	1	φ280	2300	3300	17	33
73009913	2,0	2,0	1	φ280	2700	3300	19	38
73009914	3,0	1,5	1	φ280	2700	3300	21	42
73009915	3,0	2,0	1	φ315	3000	4200	24	47
73009950	2,5	1,5	1	φ315	3000	4200	19	38
73009916	2,5	2,0	1	φ315	3300	4200	21	42
73009917	2,5	2,5	1	φ315	3300	4200	24	47
73009918	2,5	3,0	1	φ350	3600	5200	26	52
73009919	3,0	3,0	1	φ350	4000	5200	28	57
73009920	3,5	1,5	2	φ250	3300	5400	24	47
73009921	3,5	2,0	1	φ350	3600	5200	26	52
73009922	3,5	2,5	1	φ350	4000	5200	28	57
73009923	3,5	3,0	1	φ350	4300	5200	31	61
73009924	4,0	1,5	2	φ250	3600	5400	26	52
73009925	4,0	2,0	2	φ250	4000	5400	28	57
73009926	4,0	2,5	1	φ400	4300	6800	31	61
73009927	4,0	3,0	1	φ400	4600	6800	33	66
73009928	4,5	1,5	2	φ250	4000	5400	28	57
73009929	4,5	2,0	2	φ280	4300	6600	31	61
73009930	4,5	2,5	1	φ400	4600	6800	33	66
73009931	4,5	3,0	1	φ400	5000	6800	35	71
73009932	5,0	1,5	2	φ280	4300	6600	31	61
73009933	5,0	2,0	2	φ280	4600	6600	33	66
73009934	5,0	2,5	2	φ280	5000	6600	35	71
73009935	5,0	3,0	1	φ400	5300	6800	38	75
73009936	5,5	1,5	2	φ280	4600	6600	33	66
73009937	5,5	2,0	2	φ280	5000	6600	35	71
73009938	5,5	2,5	2	φ315	5300	8400	38	75
73009939	5,5	3,0	1	φ450	5600	8600	40	80
73009940	6,0	1,5	3	φ250	5000	8100	35	71
73009941	6,0	2,0	3	φ250	5300	8100	38	75
73009942	6,0	2,5	2	φ315	5600	8400	40	80
73009943	6,0	3,0	2	φ315	6000	8400	42	85

Accessories list

Accessory	Item No.	Image
Inlet galv. for fan Ø 250 / Spiro 250 Inlet galv. for fan Ø 280 / Spiro 280 Inlet galv. for fan Ø 315 / Spiro 315 Inlet galv. for fan Ø 350 / Spiro 350 Inlet galv. for fan Ø 400 / Spiro 400 Inlet galv. for fan Ø 450 / Spiro 450	73003454 73001375 73003457 73001260 73003465 73007729	
Spark Trap InLine Galv 0,7mm 250QF Spark Trap InLine Galv 0,7mm 315QF Spark Trap InLine Galv 0,7mm 400QF Spark Trap InLine Galv 0,9mm 450QF	8210001268 8210001269 8210001270 8210001271	
Weld Curtain PVC Red 1,4mx25m (full roll) Weld Curtain PVC Red 1,4mx25m (full roll)	7946869 7946555	
SET Support Post x4 - 3m SET Support Post x6 - 3m SET Support Post x8 - 3m	73009944 73009945 73009946	
SET Support Post x4 - 6m SET Support Post x 6 - 6m SET Support Post x 8 - 6m	73009956 73009957 73009958	

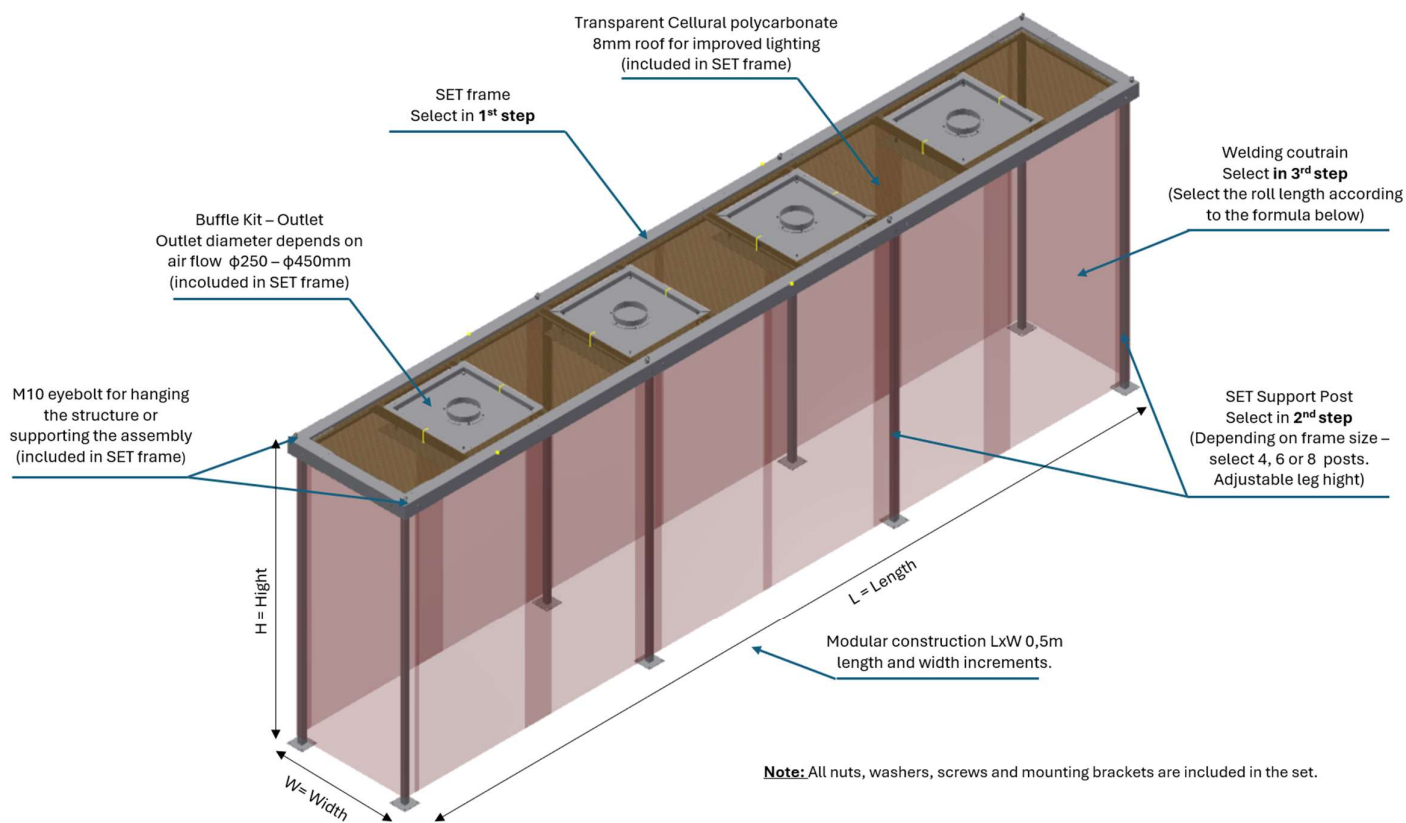
Modular Hood ordering, is very easy and intuitive - you can do it in 3 steps:

Step 1 - select the size of the hood frame.

Step 2 - select the type of mounting (hanging/standing). select Support Post 3m or 6m

If your welding hood will be hanging, you do not need to choose supports. Eyebolts are included in the SET frame. Select the appropriate number of supports for each size of frame.

Step 3 - calculate the quantity and select the welding curtain – see table below STEP 3.



Streamline Welding Modular Hood / Manual selector

STEP 1: FRAME			STEP 2: SUPPORT POSTS			STEP 3: WELDING CURTAIN			
Width W [m]	Lenght L [m]	SET Frame Item	Number of support	3m SET Support post	6m SET Support post	Quantity of m of curtain for 3m height	Quantity of m of curtain for 6m height	Item no Weld Curtain 25m	Item no Weld Curtain 50m
1,5	1,5	73009911	4	73009944	73009956	14	28	7946869	7946555
2,0	1,5	73009912	4	73009944	73009956	17	33	7946869	7946555
2,0	2,0	73009913	4	73009944	73009956	19	38	7946869	7946555
3,0	1,5	73009914	4	73009944	73009956	21	42	7946869	7946555
3,0	2,0	73009915	4	73009944	73009956	24	47	7946869	7946555
2,5	1,5	73009950	4	73009944	73009956	19	38	7946869	7946555
2,5	2,0	73009916	4	73009944	73009956	21	42	7946869	7946555
2,5	2,5	73009917	4	73009944	73009956	24	47	7946869	7946555
2,5	3,0	73009918	4	73009944	73009956	26	52	7946869	7946555
3,0	3,0	73009919	4	73009944	73009956	28	57	7946869	7946555
3,5	1,5	73009920	6	73009945	73009957	24	47	7946869	7946555
3,5	2,0	73009921	6	73009945	73009957	26	52	7946869	7946555
3,5	2,5	73009922	6	73009945	73009957	28	57	7946869	7946555
3,5	3,0	73009923	6	73009945	73009957	31	61	7946869	7946555
4,0	1,5	73009924	6	73009945	73009957	26	52	7946869	7946555
4,0	2,0	73009925	6	73009945	73009957	28	57	7946869	7946555
4,0	2,5	73009926	6	73009945	73009957	31	61	7946869	7946555
4,0	3,0	73009927	6	73009945	73009957	33	66	7946869	7946555
4,5	1,5	73009928	6	73009945	73009957	28	57	7946869	7946555
4,5	2,0	73009929	6	73009945	73009957	31	61	7946869	7946555
4,5	2,5	73009930	6	73009945	73009957	33	66	7946869	7946555
4,5	3,0	73009931	6	73009945	73009957	35	71	7946869	7946555
5,0	1,5	73009932	6	73009945	73009957	31	61	7946869	7946555
5,0	2,0	73009933	6	73009945	73009957	33	66	7946869	7946555
5,0	2,5	73009934	6	73009945	73009957	35	71	7946869	7946555
5,0	3,0	73009935	6	73009945	73009957	38	75	7946869	7946555
5,5	1,5	73009936	8	73009946	73009958	33	66	7946869	7946555
5,5	2,0	73009937	8	73009946	73009958	35	71	7946869	7946555
5,5	2,5	73009938	8	73009946	73009958	38	75	7946869	7946555
5,5	3,0	73009939	8	73009946	73009958	40	80	7946869	7946555
6,0	1,5	73009940	8	73009946	73009958	35	71	7946869	7946555
6,0	2,0	73009941	8	73009946	73009958	38	75	7946869	7946555
6,0	2,5	73009942	8	73009946	73009958	40	80	7946869	7946555
6,0	3,0	73009943	8	73009946	73009958	42	85	7946869	7946555

Streamline Welding Modular Hood / Main dimensions

