

T-FLEX/CW

TELESCOPIC EXTRACTION ARM

The T-Flex/CW is a wall-mounted telescopic extraction arm with a rotatable hood. Incorporated into the hood is a throttle valve that can be fully opened, partially opened or completely closed to control airflow at hood opening. The arm features a focus extraction spoiler, which directs the air into the hood.

The extraction arm is based on a telescopic tube with counterweight mechanism, allowing it to be extended to give a 2,5 m (8.2 ft) working radius and compressed to 1,5 m (5 ft). The arm is fitted with a spring-balance which enables it to be moved from a vertical to a horizontal position in one easy movement.

If mounted on a column, the arm can be turned through 300° due to the rotating hinge. All movement of the arm is controlled from the hood.



APPLICATIONS

The T-Flex/CW is intended to be used for the following applications:

- MIG-MAG/GMAW welding
- TIG welding
- FCAW welding
- stick/MMAW welding



Do **not** use the T-Flex/CW for the following applications or in the following circumstances:

- oil mist
- paint mist
- extraction of aggressive fumes and gases (e.g. from acids, from alkaline, from soldering paste containing lithium)
- extraction of hot gases (more than 45°C/113°F continuously)
- extraction of cement, saw dust, wood dust etc.
- sucking cigarettes, cigars, oiled tissues and other burning particles, objects and acids
- explosive environments or explosive substances/gases



SPECIFICATIONS

Physical dimensions and properties

| | |
|-------------------------|--|
| Diameter | Ø 203 mm (8 in.) |
| Counterweight | 6,5 kg (14.3 lbs) |
| Material: | |
| • tube and hood | • polypropylene copolymere with UV stabilization |
| • hoses | • glass fibre reinforced PVC with metal springs |
| • throat | • ABS |
| • handle, rim and grid | • nylon, glass fibre reinforced |
| • wall mounting bracket | • steel |
| • counterweight cover | • steel |
| • counterweight | • solid steel |
| Colour: | |
| • tube and hood | • yellow RAL 1028 |
| • hoses | • grey RAL 7024 |
| • wall mounting bracket | • black RAL 9005 |
| • counterweight cover | • black RAL 9005 |

| | |
|---|--|
| Max. temperature (continuously): | |
| • tube and hood | • 80°C (176°F) |
| • hoses | • 80°C (176°F) |
| • throat | • 80°C (176°F) |
| • handle, rim and grid | • 95°C (203°F) |
| Weight (net) | 27 kg (59.5 lbs) |
| Performance | |
| Airflow | max. 1600 m³/h (942 CFM) |
| Ambient conditions | |
| Operating temperature: | |
| • minimum | • 5°C (41°F) |
| • nominal | • 20°C (68°F) |
| • maximum | • 45°C (113°F) |
| Max. relative humidity | 80% |
| Outdoor use allowed | no |
| Storage conditions | • 5-45°C (41-113°F) • relative humidity max. 80% |
| Product combinations | |
| FAN-14/28/42 | single fan |
| SIF range + NCF | central fan + connection flange |
| WCS + AD-200/AD-8 | welding cable sensor for automatic control of fan + automatic damper |
| Scope of supply | |
| Wall mounting bracket with tube, hose 500 mm (20 in.) and 2 bushes - Rotatable hood - Hose 1650 mm (65 in.) - Counterweight + casing - Bush (2) - Mounting material | |
| Order information | |
| Article number | 7925264090 |
| Number/package | 1 |
| Shipping data | |
| Gross weight | 30 kg (66 lbs) |
| Packing dimensions (L x W x H) | 1600 x 300 x 485 mm (63 x 11.8 x 19.1 in.) |
| Harmonized Tariff Code | 8421.9900.99 |
| Country of origin | Netherlands |

■ Approvals/certificates



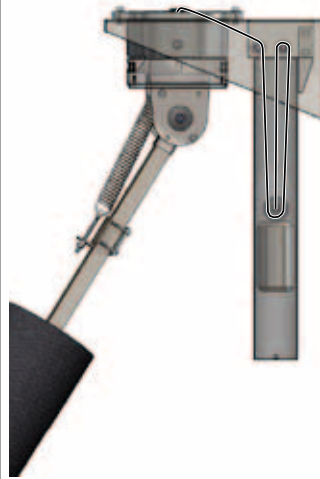
Directive 2011/65/EC (RoHS)
valid as of 8 June 2011

FEATURES

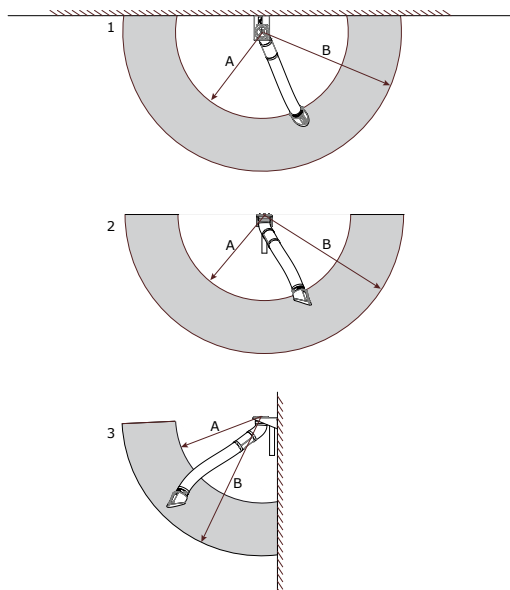
RotaHood 360° rotatable hood with throttle valve



Counterweight ("CW") mechanism ensures arm to stay exactly where it is positioned.



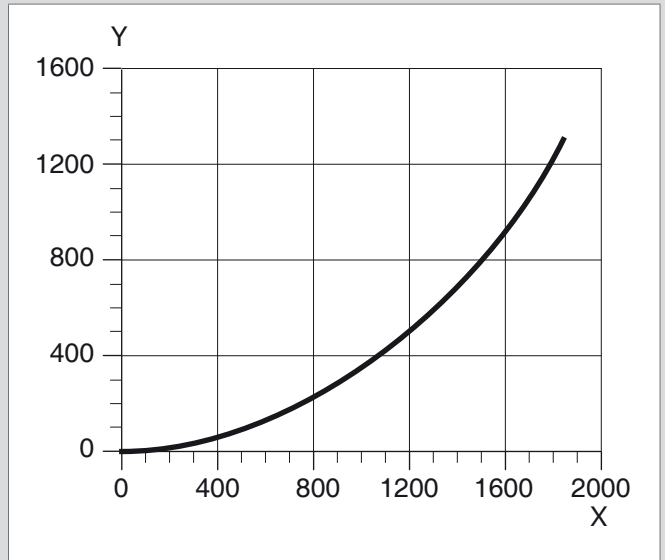
REACH



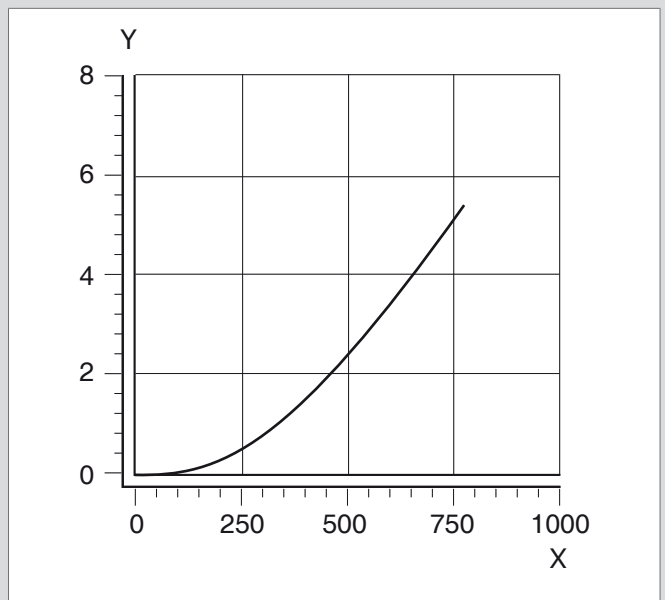
| | mm | inch |
|---|------|------|
| A | 1550 | 61 |
| B | 2500 | 98 |

1. Top view
2. Front view
3. Side view

PRESSURE DROP



X = Airflow (m³/h)
Y = Static pressure (Pa)



X = Airflow (CFM)
Y = Static pressure (in. WG)

| | |
|------------------|---------------------------|
| Product type | T-Flex/CW |
| Article no. | 7925264090 |
| Product category | extraction arms and hoses |
| Version | 070212/A |

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