EP.V.16516 · 11/2017

asecos®

GAP
LINE

BEDIENUNGSANLEITUNG
Gefahrstoffarbeitsplätze

USER MANUAL
hazardous material workstation

further languages: www.asecos.com

GAP
LINE

GAP.095.090
GAP.095.120
GAP.095.150
GAP.095.180
GAP.095.210
GAP.095.240

GAP.125.090
GAP.125.120
GAP.125.150
GAP.125.180
GAP.125.210
GAP.125.240

GAP.095.090.060
GAP.095.120.060
GAP.095.150.060
GAP.095.180.060
GAP.095.210.060
GAP.095.240.060

GAP.125.090.060
GAP.125.120.060
GAP.125.150.060
GAP.125.180.060
GAP.125.210.060
GAP.125.240.060

GAP.125.090.WA
GAP.125.120.WA

OPERATING INSTRUCTIONS

Dear customer,

These operating instructions are for practical use and should be available to the user where the hazardous material workplace is to be used.

Please keep these operating instructions close to the unit. An assured, faultless functioning of the hazardous material workplace is only ensured when these instructions are followed. Do take note of the safety information.

Many thanks.

Your asecos team

INHALT

1. NOTES ▪ GUIDELINES ▪ GUARANTEE

1.1. GENERAL SAFETY NOTES

- Observe the notes in these operating instructions!
- Observe applicable statutes and regulations, and the notes in these operating instructions, when handling hazardous materials
- Observe accident prevention regulations and workplace ordinance
- Ensure that the necessary safety checks are only carried out by authorised staff using original spare parts
- Only use the hazardous material workplace in a proper condition
- Make sure that there are no air currents above 0.2 m/s when selecting the place of erection as this can affect the functional apability.
- The users are to be trained on handling of the hazardous material workplace
- The required exhaust air flow is to be provided on site
- Observe the maximum weight with which the cabin may be loaded
- Any hazardous materials that escape must immediately be collected and removed
- Please check the material resistance of all surfaces for the use of aggressive materials.
- The instructions of the supervisory engineering department must be followed.

1.2. GUARANTEE

The guarantee for this product is agreed between you (the customer) and your dealer (the seller). As the manufacturer, asecos guarantees the products listed in the operating instructions for a period of 24 months from the date of delivery. All model safety equipment are subject to a compulsory annual inspection by specialised staff authorised by the manufacturer. Otherwise the customer's guarantee claim against the manufacturer expires.

1.3. DETAILS

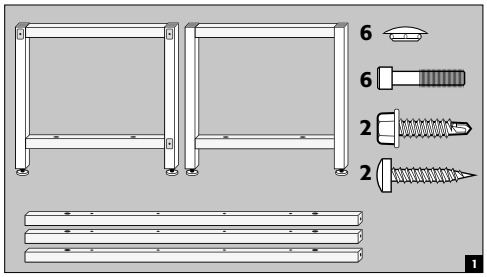
Development: asecos GmbH Sicherheit und Umweltschutz, D-63584 Gründau.

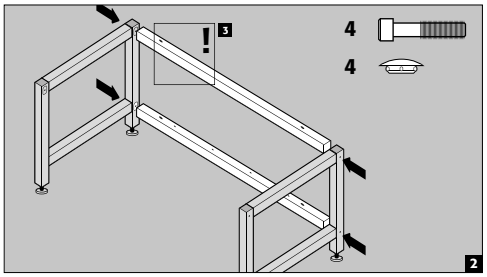
Serial No.	type plate inside on top of the workplace
Technical drawings	appendix 1
technical documentation	appendix 2

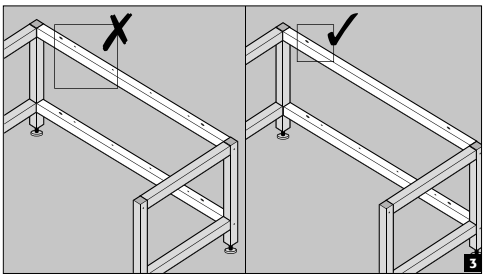
Hazardous material workplace GAP
Complete capture of hazardous vapours, gases or suspended solids at the place where they emerge or where they are created before they can have effects that are damaging to health or to the environment (see hazardous materialsregulations, workplace regulations and laboratory guidelines)..

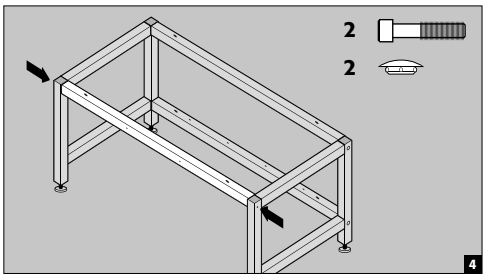
2. ERECTION ▪ COMMISSIONING

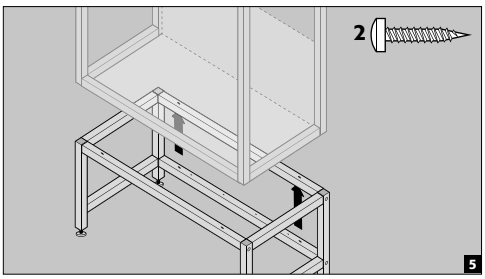
2.1. ASSEMBLY OF THE SUPPORT FRAME (WIDTH UP TO 1800 MM)

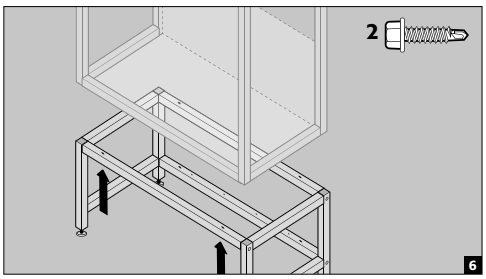




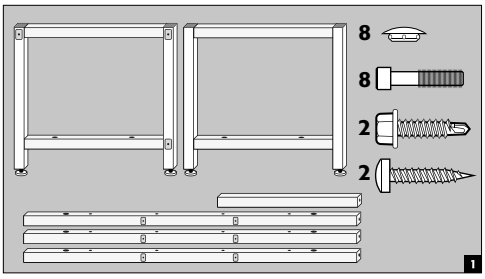


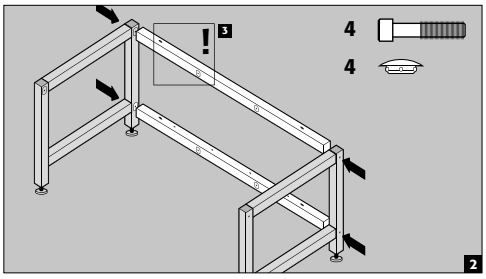


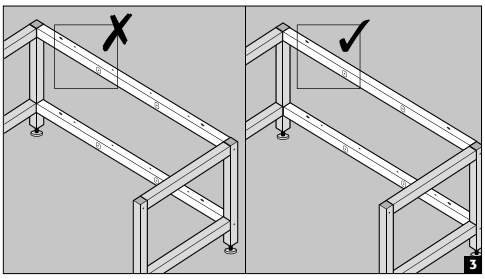


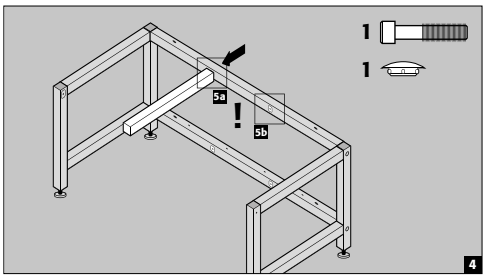


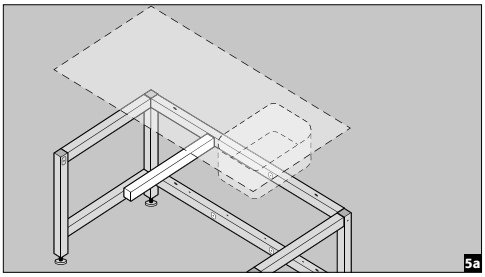
2.2. ASSEMBLY OF THE SUPPORT FRAME (WIDTH 1800 MM)

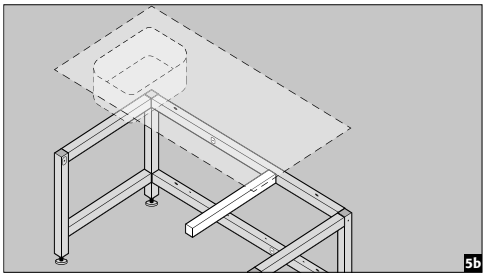


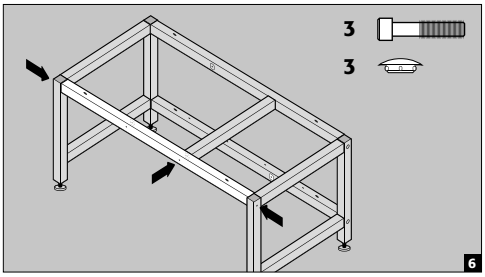


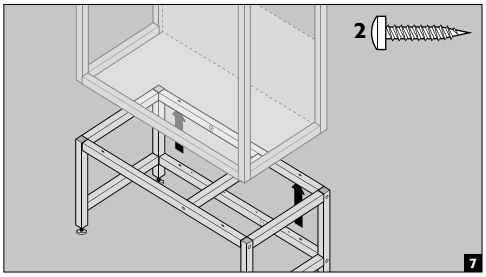


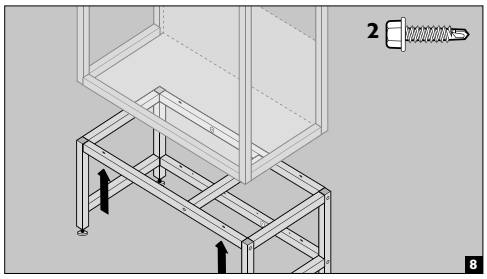




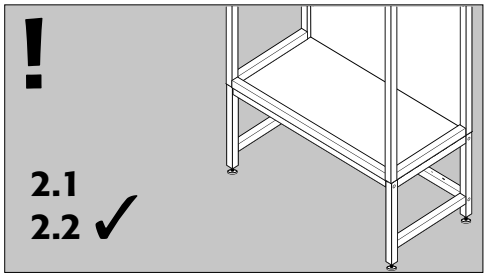


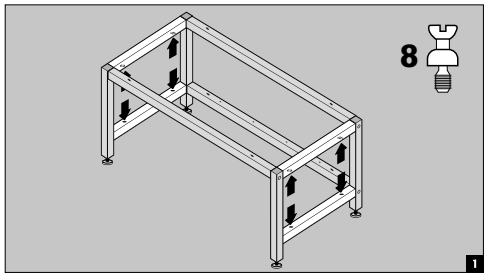


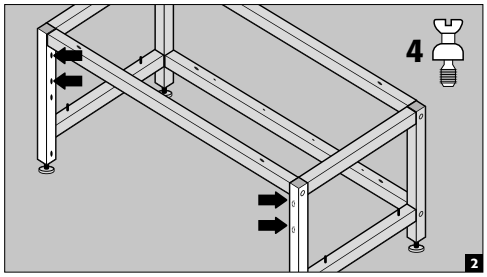


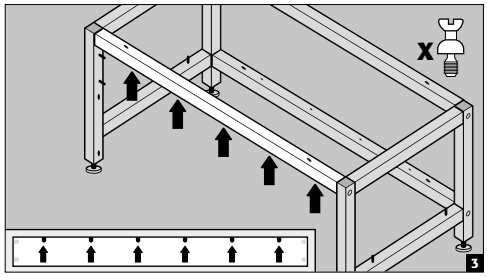


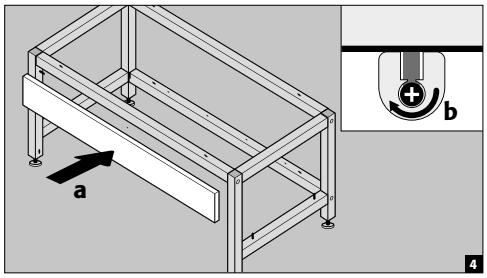
2.3. ASSEMBLY OF FRONT AND SIDE PANEL

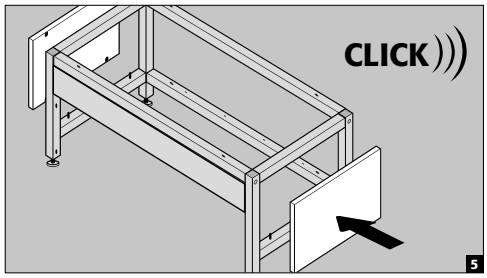




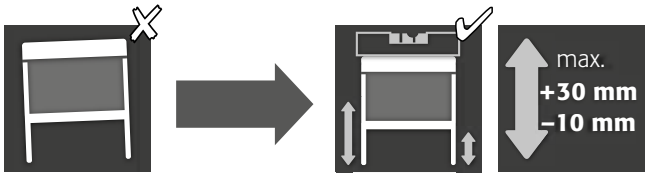




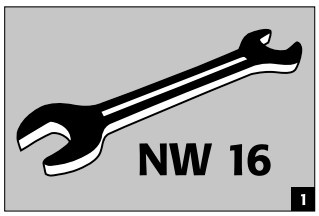


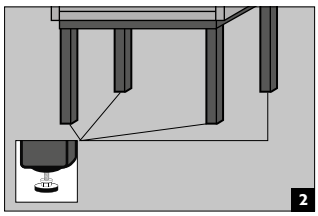


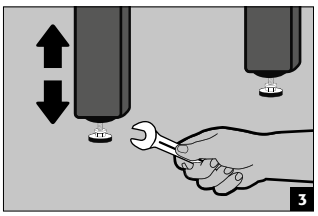
2.4. ALIGNMENT OF THE WORKPLACE



with support frame (optional)



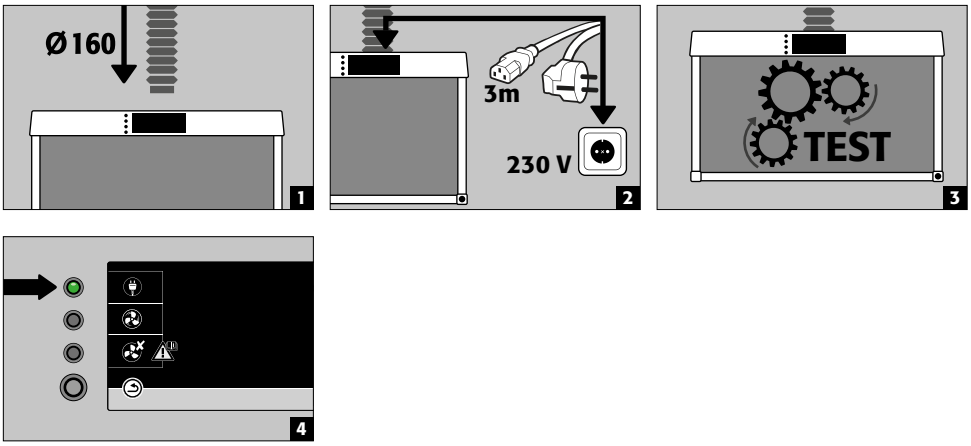




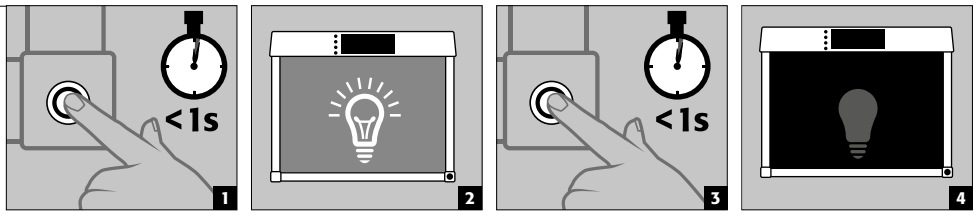
2.5. COMMISSIONING

Testing before setup:

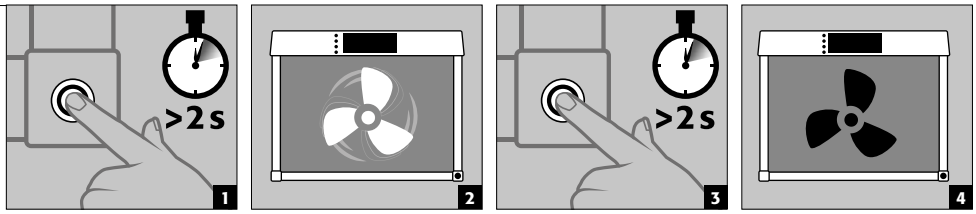
- Adequate ground loading capacity.
- Point loads on the 4 supports of the frame (technical data)!
- Make on site extraction air connection



Light turned on/off



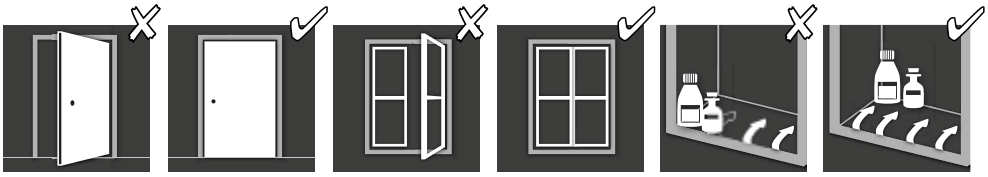
Ventilation turned on/off

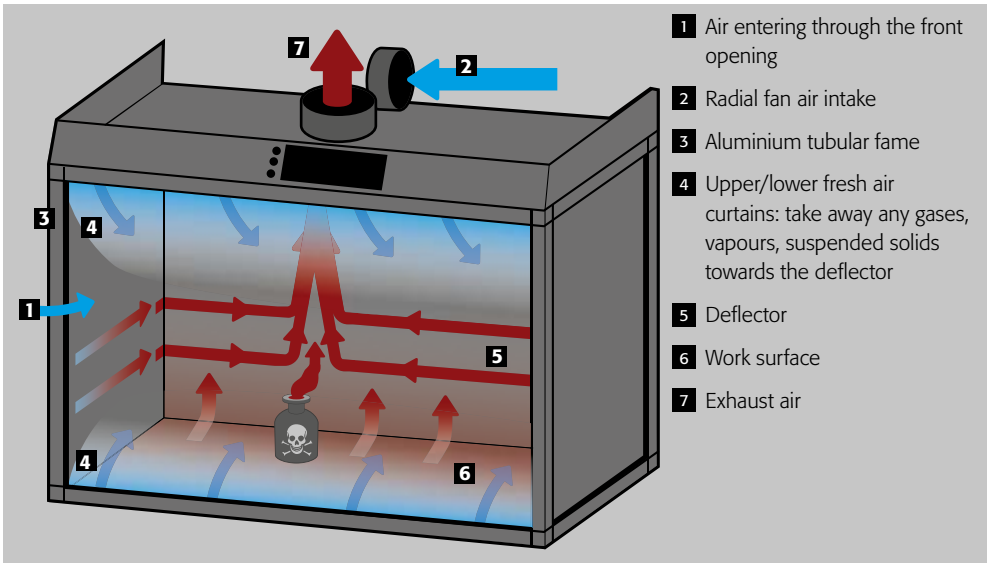


3. FUNCTION

3.1. MODE OF OPERATION

CAUTION
Avoid negative infl uences on the fl ow behaviour in the hazardous material workplace due to:
- Incorrect operation (i.e. no fast movements > 1m/s)
- more aspects:

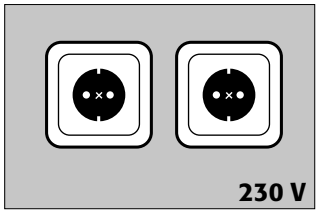




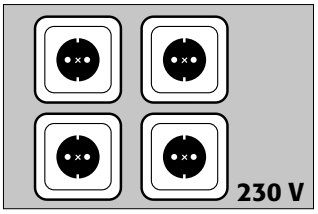
3.2. OPTIONAL MEDIA DUCT/MEDIA SOCKET

Earthed sockets

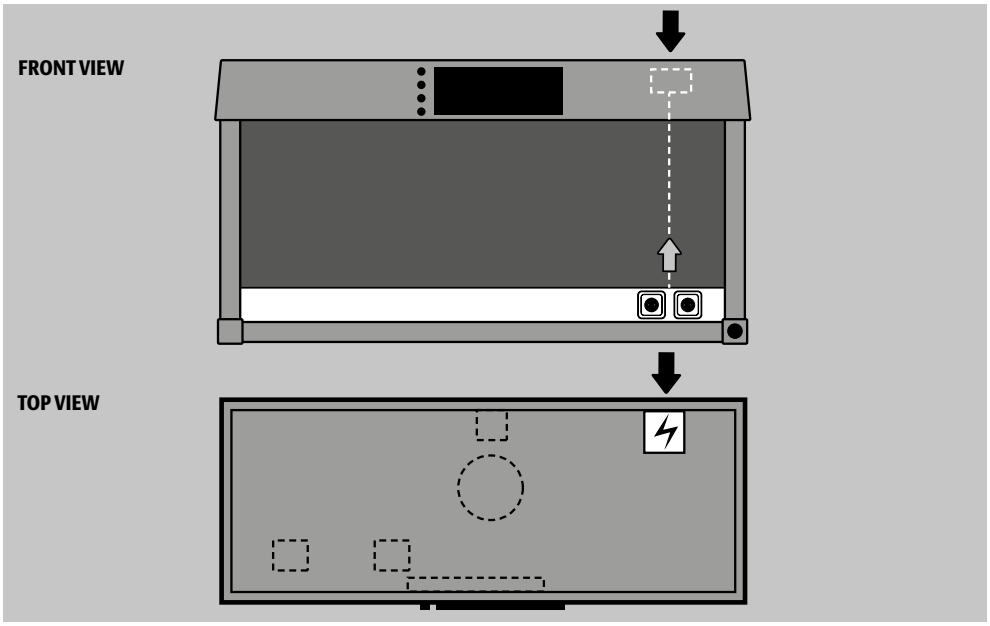
Width 90—150 cm



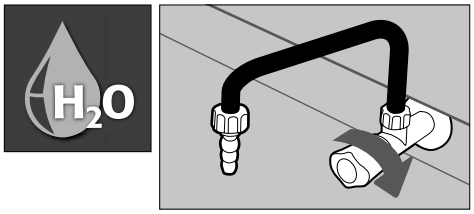
Width 180—240 cm

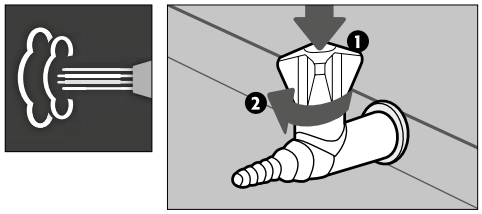


Position terminal box



Media supply





4. VENTILATION ADJUSTMENT ▪ MONITORING

4.1. VENTILATION

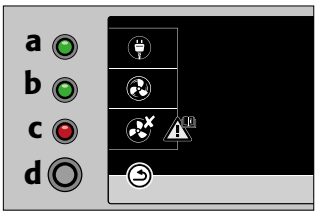
PLEASE NOTE!
factory setting of the inlet air flow, recommended exhaust air flows and pressure losses: see technical data!

the specified values don't apply if another setting is selected!

- Efficient, secure retention of the pollutants at the hazardous material workplace is achieved through an optimum combination of inlet and exhaust air.
- The retention capacity of the hazardous material workplace depends on the inlet air speeds of the device.
- An increase in inlet air fl ow is only possible with an increase in exhaust air fl ow, otherwise any pollutants may be forced out of the hazardous material workplace.
- The determination of optimised inlet and exhaust air fl ow ratios is signifi cantly infl uenced by air movements present at the place of erection.
- For optimisation of ventilation settings please contact your local dealer or asecos.

4.2. MONITORING

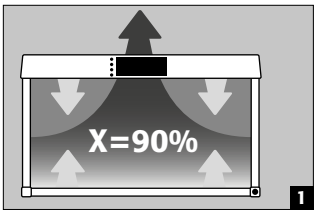
Monitoring electronics

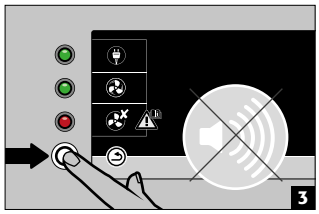


a Power supply OK - illuminates permanently
b Ventilation OK - illuminates when ventilation is turned on
c Ventilation ERROR - illuminates in case of malfunction
d RESET push button

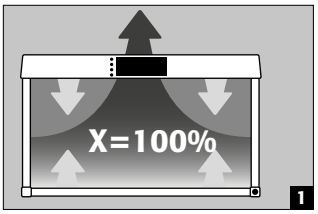
- Pressure measurement in exhaust and inlet air duct with integrated pressure cell and adjustable set point (minimum nominal air flows X)

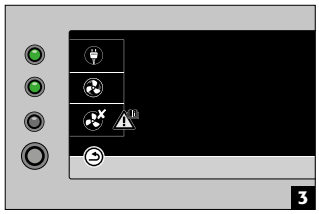
Deviation from nominal values X





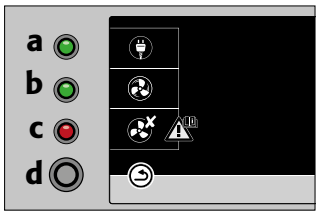
Nominal values X are reached





POWER FAILURE:
Operation of the monitoring electronics unit with built-in even battery even in the case of a power failure.

5. MALFUNCTIONS ▪ ACTIONS



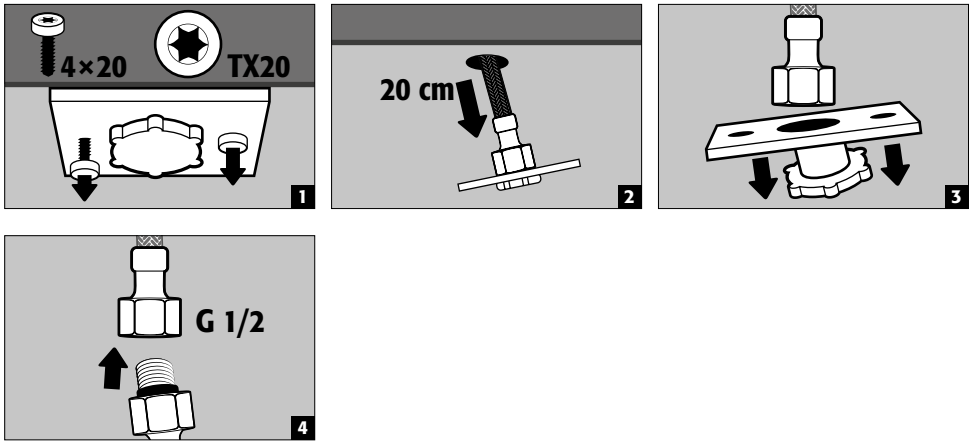
MALFUNCTION	ACTION
the mains plug is inserted a does not illuminate	Check if there is power on the socket in use
the On/Off switch had been activated **b** does not illuminate	LED defective (replace) or defect in the electronics
The light switch had been activated, The integrated lighting doesn't go on	Replace the light bulb.
c illuminates during operation of the workplace	Please check the pressure loss on customer's exhaust air duct (see these instructions hazardous material workplace! under ventilation adjustment/monitoring of the hazardous material workplace) or defect of the integrated air inlet fan or heavy soiling of the discharge rails.
3 short beeps sound every 60 seconds **c** shortly lluminates every 20 seconds	power failure

CAUTION
If your hazardous material workplace has the above or other defects, then please contact your dealer.

6. CONNECTION TO A MEDIA SUPPLY

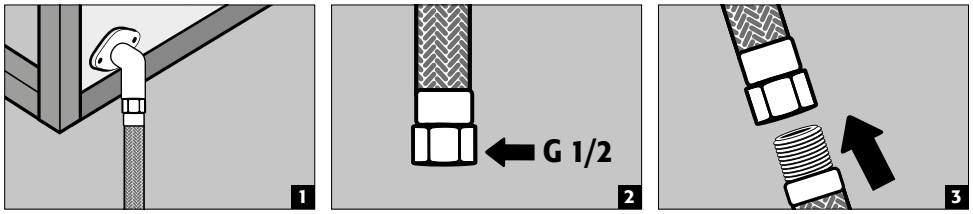
6.1. CONNECTION IN THE MEDIA DUCT

Below worktop



6.2. CONNECTION IN THE MEDIA SOCKET

On backpanel



7. FUNCTIONAL CHECK ▪ MAINTENANCE ▪ CARE

Continuous functional testing of the hazardous material workplace

- during operation through the integrated ventilation monitoring unit (item 4)

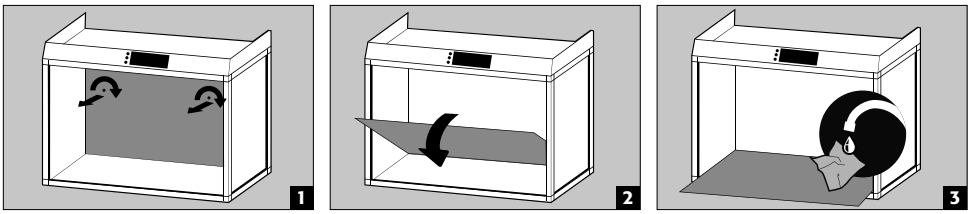
Annual maintenance and functional test

- by specialised staff authorised by asecos

Cleaning

- with normal mild household cleaners
- escaped fluids should be collected /removed immediately

Cleaning of deflector



CONTACT: In the case of defects or complaints about our products (within and also after the warranty period), and for requesting safety checks or taking out a service contract, please contact our service hotline on: Tel: +44 1785 22 70-90 info@asecos.co.uk

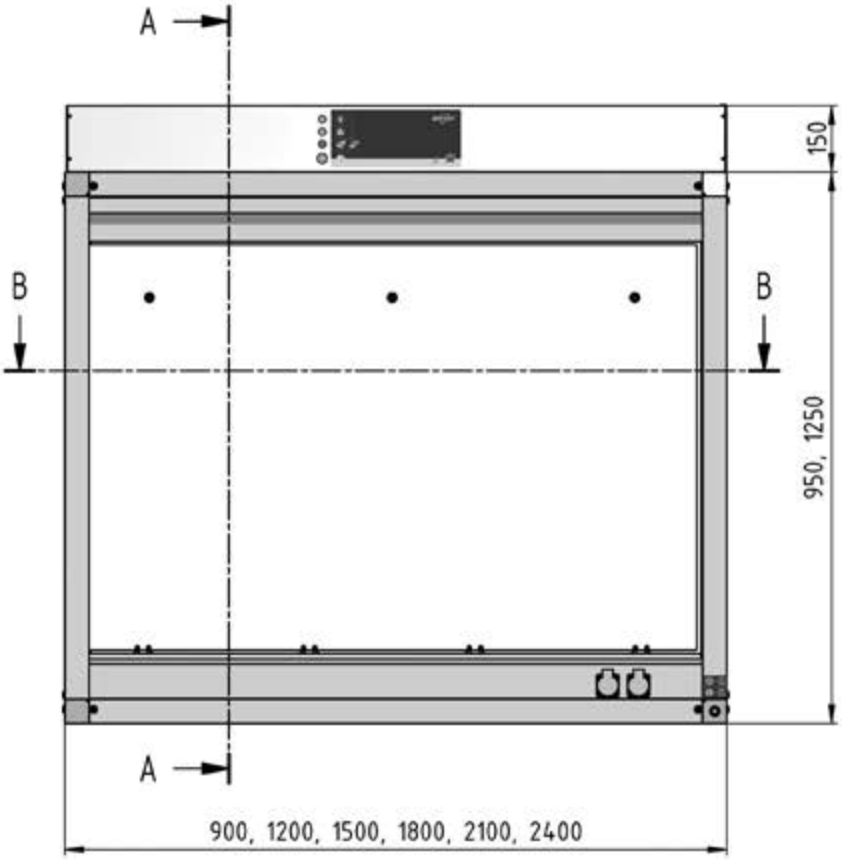
1. TECHNICAL DATA

	1	2	3	4	5	6	7	8	9
GAP.095.090	1100	1785	1965	720	900	855	900	865	790
GAP.095.090.060	1100	1785	1965	720	900	855	900	865	790
GAP.095.120	1100	1785	1965	720	900	855	1200	1165	1090
GAP.095.120.060	1100	1785	1965	720	900	855	1200	1165	1090
GAP.095.150	1100	1785	1965	720	900	855	1500	1465	1390
GAP.095.150.060	1100	1785	1965	720	900	855	1500	1465	1390
GAP.095.180	1100	1785	1965	720	900	855	1800	1765	1690
GAP.095.180.060	1100	1785	1965	720	900	855	1800	1765	1690
GAP.095.210	1100	1785	1965	720	900	855	2100	2050	1990
GAP.095.210.060	1100	1785	1965	720	900	855	2100	2050	1990
GAP.095.240	1100	1785	1965	720	900	855	2400	2365	2290
GAP.095.240.060	1100	1785	1965	720	900	855	2400	2365	2290
GAP.125.090	1400	2085	2265	720	900	1105	900	865	790
GAP.125.090.060	1400	2085	2265	720	900	1105	900	865	790
GAP.125.120	1400	2085	2265	720	900	1105	1200	1165	1090
GAP.125.120.060	1400	2085	2265	720	900	1105	1200	1165	1090
GAP.125.150	1400	2085	2265	720	900	1105	1500	1465	1390
GAP.125.150.060	1400	2085	2265	720	900	1105	1500	1465	1390
GAP.125.180	1400	2085	2265	720	900	1105	1800	1765	1690
GAP.125.180.060	1400	2085	2265	720	900	1105	1800	1765	1690
GAP.125.210	1400	2085	2265	720	900	1105	2100	2050	1990
GAP.125.210.060	1400	2085	2265	720	900	1105	2100	2050	1990
GAP.125.240	1400	2085	2265	720	900	1105	2400	2365	2290
GAP.125.240.060	1400	2085	2265	720	900	1050	2400	2365	2290

	Höhe	**Height**	**Hoogte**	**mm**
1	ohne Gestell	without baseframe	zonder onderstel	
2	mit Untergestell für stehende Tätigkeit	with baseframe for standing work	met onderstel voor staand werk	
3	mit Untergestell für sitzende Tätigkeit	with baseframe for sitting work	met onderstel voor zittend werk	
4	Arbeitshöhe für sitzende Tätigkeit	work surface with baseframe (sitting work)	Werkhoogte met onderstel voor zittend werk	
5	Arbeitshöhe für stehende Tätigkeit	work surface with baseframe (standing work)	Werkhoogte met onderstel voor staand werk	
6	lichte Höhe (innen)	clearance height	Vrije hoogte	
	Breite	**Width**	**Breedte**	**mm**
7	Gesamtbreite	total width	Breedte totaal	
8	Innenbreite	width (internal)	Breedte (binnenkant)	
	nutzbare Arbeitsfläche	**available work surface**	**Bruikbaar werkvlak**	**mm**
9	Breite	width	Breedte	
10	Tiefe ohne Medienkanal	depth without utility duct	Diepte zonder mediakanaal	
11	Tiefe mit Medienkanal	depth with utility duct	Diepte met mediakanaal	
	Tiefe	**Depth**	**Diepte**	**mm**
12	Außentiefe	total depth	Diepte (buiten)	
13	Innentiefe	depth (internal)	Diepte (binnenkant)	
	Parameter	**Parameters**	**Parameters**	
14	maximale Belastung	Max. load work suface	maximale belasting	**N/m²**
15	Gewicht ohne Gestell	weight without baseframe	Gewicht zonder onderstel	**kg**
16	Schallleistungspegel	noise level aprox.	Geluidsvermogensniveau	**dB(A)**
17	Druckverlust ca.	pressure loss aprox.	Drukverlies	**Pa**
18	Anzahl Abluftanschluss	ventilation connection (pieces)	Aansluiting ventilatie (aantal)	
19	Abluftanschluss	ventilation connection	Aansluiting ventilatie	**NW/mm**
20	empfohlene Abluftmenge	recommended amout of extraction air	Aanbev. hoeveelheid afvoerlucht	**m³/h**

10	11	12	13	14	15	16	17	18	19	20
640	530	750	650	3000	93	32.0	52	1	370	
490	380	600	500	3000	86	32.0	52	1	370	
640	530	750	650	3000	103	32.0	99	1	510	
490	380	600	500	3000	95	32.0	99	1	510	
640	530	750	650	3000	126	35.0	163	1	650	
490	380	600	500	3000	118	32.0	163	1	650	
640	530	750	650	3000	136	36.0	61	2	790	
490	380	600	500	3000	127	36.0	61	2	790	
640	530	750	650	3000	174		85	2	940	
490	380	600	500	3000	164		85	2	940	
640	530	750	650	3000	176		114	2	1080	
490	380	600	500	3000	164		114	2	1080	
640	530	750	650	3000	103	32.0	96	1	500	
490	380	600	500	3000	96	32.0	96	1	500	
640	530	750	650	3000	114	32.0	185	1	690	
490	380	600	500	3000	106	32.0	185	1	690	
640	530	750	650	3000	139	32.0	305	1	890	
490	380	600	500	3000	131	32.0	305	1	890	
640	530	750	650	3000	150	35.0	114	2	1080	
490	380	600	500	3000	141	35.0	114	2	1080	
640	530	750	650	3000	180		161	2	1280	
490	380	600	500	3000	170		161	2	1280	
640	530	750	650	3000	191		216	2	1490	
490	380	600	500	3000	179		216	2	1490	

	Hauteur	**Altura**	**Altezza**	**mm**
1	sans châssis pour activités	sin bastidor	senza basamento	
2	avec châssis pour activités en position debout	con bastidor para actividad de pie	con basamento per attività in piedi	
3	avec châssis pour activités en position assise	con bastidor para actividad de sentado	con basamento per attività in seduti	
4	de travail châssis pour activités en position assise	Altura de trabajo con bastidor para actividad de sentado	Altezza di lavoro con basamento per attività in seduti	
5	de travail châssis pour activités en position debout	Altura de trabajo con bastidor para actividad de pie	Altezza di lavoro con basamento per attività in piedi	
6	hauteur libre	Altura libre	Altezza libera	
	Largeur	**Anchura**	**Larghezza**	**mm**
7	Largeur (ext.)	Anchura (ext.)	Larghezza (est.)	
8	Largeur (int.)	Anchura (int.)	Larghezza (int.)	
	Surface de travail utile	**Superficie de trabajo útil**	**Superficie di lavoro utilizzabile**	**mm**
9	Largeur	Anchura	Larghezza	
10	Profondeur sans conduit	Profundidad sin canal de medios	Profondità senza canale mezzi di esercizio	
11	Profondeur avec conduit	Profundidad con canal de medios	Profondità con canale mezzi di esercizio	
	Profondeur	**Profundidad**	**Profondità**	**mm**
12	Profondeur (ext.)	Profundidad (ext.)	Profondità (est.)	
13	Profondeur (int.)	Profundidad (int.)	Profondità (int.)	
	Paramètres	**Parámetros**	**Parametri**	
14	Charge maximum	Carga máxima	Carico max.	**N/m²**
15	Poids sans châssis	Peso con bastidor	Peso con basamento	**kg**
16	Niveau de puissance acoustique env.	Nivel de potencia acústica aprox.	Livello di potenza sonora appross.	**dB(A)**
17	Perte de pression env.	Pérdida de presión (aprox.)	Perdita di pressione appross.	**Pa**
18	Raccord de ventilation (nombre)	Conexión de salida de aire (numero)	Allacciamento aria di scarico (quantità)	
19	Raccord de ventilation	Conexión de salida de aire	Allacciamento aria di scarico	**NW/mm**
20	Débit d'évacuation recommandé	Cantidad de aire de salida recomendada	Quantità aria di scarico cons.	**m³/h**



A-A

B-B