

Datenblatt: 02037357
 Projekt: W843416
 Ort:
 Anlage:

Position: 1
 Seite: 2 Von 8
 Datum: 09.12.2024
 LV-Position:



Technical Data Supply Air

Outside Metal Sheet:	mm	1,0 galvanized and painted RAL 9001	Unit Size:	Special
Inside Metal Sheet:	mm	1,0 V2A (AISI304)	Position of Access Side:	Right
Inside Floor Metal Sheet:	mm	53,0 V2A (AISI304)	Position of Piping Side:	Right
Wall Thickness:	mm	53,0 V2A (AISI304)	Insulation Roof/Floor:	Mineral Wool 99kg/m ³
Dimensions (L x W x H):	mm	6636x1723x1740	Insulation Walls:	Mineral Wool 99kg/m ³
Air velocity:	m/sec	1,80	Class of Velocity:	V3
Weight:	kg	3037	Design:	VDI 6022

(SUP) Air Inlet Section GSP/SS/SS Weight: 274 kg Length: 837 mm Pressure Drop: 59 Pa

Connection:

Layer: Front Side
 Material: galvanized
 Design: Flexible connection
 Potential Equalisation: Yes

Damper Size:

Assembly: Inside
 Material: Aluminium
 Design: With external linkage and brass bearings, in accordance with ATEX Class 2
 Tightness: Class 2
 Shaft Position: Outside
 Actuator: NF24A-SR (continuous 24V with spring return)
 Dimensions (W x H x D): 1366 x 509 x 110

Dimensions (W x H) 1530 x 550

Connection:

Layer: Roof
 Material: galvanized
 Design: Without
 Potential Equalisation: No
 Dimensions (W x H) 1369 x 509

Grating: Without

Design: Access Door
 Lockers: Lockers
 Hinges: 3D-Hinges

Condensate Trough: RAL/V2A (AISI304)
 Condensate Drain: Yes

Accessories

Item Number	Description	Weight
	Klappe ATEX Ausführung	
	Flexstutzen ATEX	
	Siphon DS	



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(SUP) Filter		GSP/SS/SS	Weight: 147 kg	Length: 607 mm	Pressure Drop: 119 Pa
Brand:	ROX		Filter Maintenance:	Dust Air Side	
Spare Filter:	No		Frame:	V2A (AISI304)	
			Manometer:	Wika A2G Mini	
1st Filter step					
Filter Type:	Taschenfilter L		Energy Efficiency Class:	C	
Filter Class EN779:2012:	M5		Filter Surface:	m ²	27,2
Filter Class ISO16890:	ePM10 60%		Medium:	Glass Fibre Hi-Flo	
ΔP Initial:	Pa 38				
ΔP End:	Pa 200				
Max. Pressure Drop:	Pa 250				
ΔP Dim:	Pa 119				
Type/Size/Quantity	HFGS-M5-592x592x600-06-Atex		592*592*600 mm		4 Stück
	HFGS-M5-592x287x600-06-Atex		592*287*600 mm		2 Stück
	HFGS-M5-287x592x600-03-Atex		287*592*600 mm		2 Stück
Design:	Access Door		Condensate Trough:	RAL/V2A (AISI304)	
Lockers:	Lockers		Condensate Drain:	Yes	
Hinges:	3D-Hinges				
Accessories					
Item Number	Description		Weight		
	Filter ATEX execution				
	Siphon DS				
	Measuring nipple 1/2" with plug				

(SUP) Cooler		GSP/SS/SS	Weight: 741 kg	Length: 695 mm	Pressure Drop: 231 Pa
Brand:	ROX		Type:	CW-HZ.G-2.5-1345-1440-16R-75-Cu0,35-Al0,12-AISI304-1-Cu 4"-E1-9-L-0	
Pipes:	Kupfer		Heat Transfer Medium:	AntifrogenL	
Fin:	Aluminium		Weight Heat Exchanger:	553,41	
Collector:	Kupfer		Medium		
Frame:	AISI304		Flow-Rate:	m ³ /h	50,83
Quantity Pipe Rows:	16		Temp. In:	°C	-2,00
Fin Distance:	mm 2,50		Temp. Out:	°C	4,00
Connections:	Gerade		Charge:	l	163,71
Connection Inlet:	1xCu DN100 4"		Flow-Rate:	kg/h	
Connection Outlet:	1xCu DN100 4"		Pressure Drop:	kPa	84,06
Finned height:	mm 1440				
Finned width:	mm 1345		Air		
Freeze protection:	°C -16,00		Air Volume:	m ³ /h	17000
			Temp. In:	°C	35,00
			Rel. Humidity In:	%	44,00
			Temp. Out:	°C	4,00
			Rel. Humidity out:	%	100,00
			Pressure Drop:	Pa	231
			Capacity:	kW	328,71
Design:	Fixed Panel		Condensate Trough:	RAL/V2A (AISI304)	

Accessories

Item Number	Description	Weight
	Screw flanges and mating flange as welding neck flanges	
Hints:	This component is not included in the software Eurovent certified	

Software ALAG
 [20.08.2024]
 Version 1.23/4.2



Management System
 ISO 9001:2015
 www.tuv.com
 ID 0910083041

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(SUP) Droplet Eliminator

GSP/SS/SS **Weight: 83 kg** **Length: 270 mm** **Pressure Drop: 24 Pa**
 Brand: ROX
 Material: Alu **Guiding Rail:** V2A (AISI304)
 Design: Access Panel **Condensate Trough:** RAL/V2A (AISI304)
 Lockers: Lockers **Condensate Drain:** Yes

Accessories

Item Number	Description	Weight
	Siphon DS	
	TAS in ATEX version	
	Measuring nipple 1/2" with plug	

Plate Heat Exchanger

GSP/SS/SS **Weight: 809 kg** **Length: 2010 mm** **Pressure Drop: 173 Pa**
 Brand: ROX **Actuator:** Ohne
 Type: H2A1200-1592-060-2E00-7-2-0-1592 **Bypass:** Without
 Diagonal: mm 1697

Operation Point: Winter

	Supply Air	Extract Air
Air Volume:	m ³ /h 17000	17000
Temp. In:	°C 4,0	55,0
Rel. Humidity In:	% 100,0	10,0
Temp. Out:	°C 35,4	23,6
Rel. Humidity out:	% 14,0	54,2
Pressure Drop dry:	Pa 172	181
Pressure Drop wet:	Pa 173	171
Air velocity:	m/s 2,3	2,8
Heat Recovery dry:	% 62,0	
Sensible Heat Load:	kW 178,4	
Heat Recovery:	kW 178,4	

Design: Access Door **Condensate Trough:** RAL/V2A (AISI304)
 Lockers: Lockers **Condensate Drain:** Yes
 Hinges: 3D-Hinges

Accessories

Item Number	Description	Weight
	4 1/2" measuring nipples with plugs	
	Plate heat exchanger heat resistant up to 200°C	
	stem valve	
	Siphon DS	

(SUP) Empty section

GSP/SS/SS **Weight: 69 kg** **Length: 300 mm** **Pressure Drop: 0 Pa**
 Design: Access Panel
 Lockers: Lockers



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(SUP) Heater		GSP/SS/SS	Weight: 249 kg	Length: 245 mm	Pressure Drop: 36 Pa
Brand:	ROX		Type:	D/50/1035/1R/1W/2,5 St vz,36/ST vz	
Pipes:	Galvanized steel		Heat Transfer Medium:	Dampf	
Fin:	Galvanized steel		Weight Heat Exchanger:	kg	194,00
Collector:	Galvanized steel		Medium		
Frame:	Galvanized steel		Flow-Rate:	m³/h	413,38
			Temp. In:	°C	164,89
Quantity Pipe Rows:	1		Temp. Out:	°C	7,00
Fin distance:	mm 2,50		Charge:	l	22,00
Connections:	straight				
Connection Inlet:	ANSI B16.5 300lbs A 105(P250GH) Abm. 1 1/2"				
Connection Outlet:	ANSI B16.5 300lbs A 105(P250GH) Abm. 1 1/2"				
Finned height:	mm 1035		Air		
Finned width:	mm 1555		Air Volume:	m³/h	17000
Freeze protection:	°C 0,00		Temp. In:	°C	33,00
			Temp. Out:	°C	74,50
			Pressure Drop:	Pa	36
			Capacity:	kW	237,47
Design:	Fixed Panel Measuring nipple 1/2" with plug				
Hints:	This component is not included in the software Eurovent certified				

(SUP) Heater		GSP/SS/SS	Weight: 474 kg	Length: 285 mm	Pressure Drop: 93 Pa
Brand:	ROX		Type:	D/50/984/2R/1W/2,0 St vz,36/ST vz	
Pipes:	Galvanized steel		Heat Transfer Medium:	Dampf	
Fin:	Galvanized steel		Weight Heat Exchanger:	kg	409,80
Collector:	Galvanized steel		Medium		
Frame:	Galvanized steel		Flow-Rate:	m³/h	552,84
			Temp. In:	°C	164,89
Quantity Pipe Rows:	2		Temp. Out:	°C	7,00
Fin distance:	mm 2,00		Charge:	l	41,80
Connections:	straight				
Connection Inlet:	ANSI B16.5 300lbs A 105(P250GH) Abm. 2"				
Connection Outlet:	ANSI B16.5 300lbs A 105(P250GH) Abm. 1 1/2"				
Finned height:	mm 984		Air		
Finned width:	mm 1555		Air Volume:	m³/h	17000
Freeze protection:	°C 0,00		Temp. In:	°C	74,50
			Temp. Out:	°C	130,00
			Pressure Drop:	Pa	93
			Capacity:	kW	317,58
Design:	Fixed Panel Measuring nipple 1/2" with plug				
Hints:	This component is not included in the software Eurovent certified				

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Position: 1
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(SUP) Air Outlet Section GSP/SS/SS Weight: 191 kg Length: 622 mm Pressure Drop: 31 Pa

Connection:

Layer: Roof
Material: galvanized
Design: Flexible connection (heat resistant)
Potential Equalisation: Yes
Dimensions (W x H): 1530 x 550
Grating: Without

Design: Access Door
Lockers: Lockers
Hinges: 3D-Hinges

Accessories

Item Number	Description	Weight
	Flexstützen hitzebeständig	

Technical Data Extract Air

Outside Metal Sheet:	mm	1,0 galvanized and painted RAL9001	Unit Size:	Special
Inside Metal Sheet:	mm	1,0 V2A (AISI304)	Position of Access Side:	Left
Inside Floor Metal Sheet:	mm	53,0 V2A (AISI304)	Position of Piping Side:	Left
Wall Thickness:	mm	53,0 V2A (AISI304)	Insulation Roof/Floor:	Mineral Wool 99kg/m ³
Dimensions (L x W x H):	mm	4436x1723x1419	Insulation Walls:	Mineral Wool 99kg/m ³
Air velocity:	m/sec	2,25	Class of Velocity:	V5
Weight:	kg	838	Design:	VDI 6022

(EXT) Air Inlet Section GSP/SS/SS Weight: 196 kg Length: 817 mm Pressure Drop: 7 Pa

Connection:

Layer: Front Side
Material: galvanized
Design: Flexible connection ATEX
Potential Equalisation: Yes
Dimensions (W x H): 1530 x 550
Grating: Without

Design: Access Door
Lockers: Lockers
Hinges: 3D-Hinges

Accessories

Item Number	Description	Weight
	Measuring nipple 1/2" with plug	
	Flexible connection ATEX	



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Position: 1
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 LV-Position:



(EXT) Filter	GSP/SS/SS	Weight: 134 kg	Length: 635 mm	Pressure Drop: 76 Pa
Brand:	ROX	Filter Maintenance:	Dust Air Side	
Spare Filter:	No	Frame:	V2A (AISI304)	
		Manometer:	Wika A2G Mini	
1st Filter step				
Filter Type:	Taschenfilter L	Energy Efficiency Class:	C	
Filter Class EN779:2012:	M5	Filter Surface:	m ²	227,2
Filter Class ISO16890:	ePM10 60%	Medium:	Glass Fibre Hi-Flo	
ΔP Initial:	Pa 38			
ΔP End:	Pa 114			
Max. Pressure Drop:	Pa 250			
ΔP Dim:	Pa 76			
Type/Size/Quantity	HFGS-M5-592x592x600-06-Atex	592*592*600 mm		4 Stück
	HFGS-M5-592x287x600-06-Atex	592*287*600 mm		2 Stück
	HFGS-M5-287x592x600-03-Atex	287*592*600 mm		2 Stück
Design:	Access Door			
Lockers:	Lockers			
Hinges:	3D-Hinges			
Accessories				
Item Number	Description	Weight		
	Filter ATEX Ausführung			

(EXT) Empty section	GSP/SS/SS	Weight: 160 kg	Length: 965 mm	Pressure Drop: 0 Pa
Design:	Fixed Panel			

(EXT) Empty section	GSP/SS/SS	Weight: 133 kg	Length: 827 mm	Pressure Drop: 0 Pa
Design:	Access Door			
Lockers:	Lockers			
Hinges:	3D-Hinges			



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Anlage:

Position: 1
Seite: 8 Von 8
Datum: 09.12.2024
LV-Position:



(EXT) Air Outlet Section GSP/SS/SS Weight: 191 kg Length: 617 mm Pressure Drop: 93 Pa

Connection:

Layer: Roof
Material: galvanized
Design: Flexible connection ATEX
Potential Equalisation: Yes

Damper Size:

Assembly: Inside
Material: Aluminium
Design: With external linkage and brass bearings, in accordance with ATEX Class 2
Tightness: Class 2
Shaft Position: Inside
Actuator: NF24A-SR (continuous 24V with spring return)
Dimensions (W x H x D): 1369 x 509 x 110

Dimensions (W x H) 1530 x 550

Connection:

Layer: Floor
Material: galvanized
Design: Without
Potential Equalisation: No

Damper Size:

Assembly: Inside
Material: Aluminium
Design: With external linkage and brass bearings, in accordance with ATEX Class 2
Tightness: Class 2
Shaft Position: Inside
Actuator: NF24A-SR (continuous 24V with spring return)
Dimensions (W x H x D): 1369 x 509 x 110

Dimensions (W x H) 1369 x 509

Grating: Without

Design: Fixed Panel

Accessories

Item Number	Description	Weight
	Flaps ATEX version	
	Flexible connection ATEX	

1 hand gun for foil cartridge:

Item number 2097001 FK hand gun 70738 (supplied loose)

