



Datasheet: 02037450  
 Project: W856616  
 Location:  
 Unit:

Position: 745001  
 Side: 2 by 11  
 Date: 04.08.2025  
 Tender Position:



## Technical Data Supply Air

Outside Metal Sheet:	mm	1,0 galvanized and painted, RAL 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 <sup>3</sup>
Dimensions (L x W x H):	mm	7006x1723x1414	Insulation Walls:	Mineral Wool 99kg/m <sup>3</sup>
Air velocity:	m/sec	2,25	Class of Velocity:	V5
Weight:	kg	3202	Design:	VDI 6022

**(SUP) Air Inlet Section**      GSP/SS/SS      Weight: 249 kg      Length: 704 mm      Pressure Drop: 55 Pa

### Connection:

Layer: Front Side  
 Material: galvanized  
 Design: Flex connector  
 Potential Equalisation: Yes

### Damper Size:

Assembly: Inside  
 Material: V2A (AISI304)  
 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 175

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
	ATEX version flap	
	Flex-connector ATEX	
	Siphon DS	



Datasheet: 02037450  
 Project: W856616  
 Location:  
 Unit:

Position: 745001  
 Side: 3 by 11  
 Date: 04.08.2025  
 Tender Position:



<b>(SUP) Filter</b>		<b>GSP/SS/SS</b>	<b>Weight: 141 kg</b>	<b>Length: 695 mm</b>	<b>Pressure Drop: 121 Pa</b>
<b>Brand:</b>	ROX		<b>Filter Maintenance:</b>	Dust Air Side	
<b>Spare Filter:</b>	No		<b>Frame:</b>	V2A (AISI304)	
			<b>Manometer:</b>	Wika A2G Mini	
<b>1st Filter step</b>					
<b>Filter Type:</b>	Bag Filter		<b>Energy Efficiency Class:</b>	D	
<b>Filter Class EN779:2012:</b>	M5		<b>Filter Surface:</b>	m <sup>2</sup>	12,8
<b>Filter Class ISO16890:</b>	ePM10 60%		<b>Medium:</b>	Glass Fibre	
<b>ΔP Initial:</b>	Pa 71				
<b>ΔP End:</b>	Pa 171				
<b>Max. Pressure Drop:</b>	Pa 250				
<b>ΔP Dim:</b>	Pa 121				
<b>Type/Size/Quantity</b>	HFGS-M5-592x592x520-10-ATEX		592*592*520 mm		2 Stück
	HFGS-M5-592x287x520-06-ATEX		592*287*520 mm		2 Stück
	HFGS-M5-287x592x520-05-ATEX		287*592*520 mm		1 Stück
<b>Design:</b>	Access Door		<b>Condensate Trough:</b>	RAL/V2A (AISI304)	
<b>Lockers:</b>	Lockers		<b>Condensate Drain:</b>	Yes	
<b>Hinges:</b>	3D-Hinges				
<b>Accessories</b>					
<b>Item Number</b>	<b>Description</b>		<b>Weight</b>		
	Filter ATEX Ausführung				
	1/2" measuring nipple with plug				
	Siphon DS				

Datasheet: 02037450  
 Project: W856616  
 Location:  
 Unit:

Position: 745001  
 Side: 4 by 11  
 Date: 04.08.2025  
 Tender Position:



<b>(SUP) Cooler</b>		<b>GSP/SS/SS</b>	<b>Weight: 483 kg</b>	<b>Length: 620 mm</b>	<b>Pressure Drop: 221 Pa</b>
<b>Brand:</b>	ROX		<b>Type:</b>	CW-HZ.G-4.0-1345-1080-12R-51-Cu0,35-AI0,2-AISI304-1-Cu 4"-E1-9-L-0	
<b>Pipes:</b>	Copper		<b>Heat Transfer Medium:</b>	AntifrogenL	
<b>Fin:</b>	Aluminum		<b>Weight Heat Exchanger:</b>	333,68	
<b>Collector:</b>	Copper		<b>Medium</b>		
<b>Frame:</b>	V2A (AISI304)		<b>Flow-Rate:</b>	m³/h	41,24
<b>Quantity Pipe Rows:</b>	12		<b>Temp. In:</b>	°C	-2,00
<b>Fin Distance:</b>	mm 4,00		<b>Temp. Out:</b>	°C	4,00
<b>Connections:</b>	straight		<b>Charge:</b>	l	97,68
<b>Connection Inlet:</b>	1xCu DN100 4"		<b>Pressure Drop:</b>	kPa	87,26
<b>Connection Outlet:</b>	1xCu DN100 4"		<b>Medium Speed:</b>	m/sec	1,832
<b>Finned height:</b>	mm 1080		<b>Air</b>		
<b>Finned width:</b>	mm 1345		<b>Air Volume:</b>	m³/h	17000
<b>Freeze protection:</b>	°C -16,00		<b>Temp. In:</b>	°C	40,00
			<b>Rel. Humidity In:</b>	%	30,00
			<b>Temp. Out:</b>	°C	10,00
			<b>Rel. Humidity out:</b>	%	95,67
			<b>Pressure Drop:</b>	Pa	221
			<b>Dry pressure loss:</b>	Pa	190
			<b>Air velocity:</b>	m/s	3,15
			<b>Dehumidification:</b>	kg/h	132,55
			<b>Area reserve</b>	%	16,08
			<b>Sensitive capacity</b>	kW	172,44
			<b>Latent capacity:</b>	kW	94,79
			<b>Capacity:</b>	kW	267,23

**Design:** Fixed Panel      **Condensate Trough:** RAL/V2A (AISI304)

**Hints:** Screw flanges and counterflanges as weld-on flanges  
 PN16

<b>(SUP) Droplet Eliminator</b>		<b>GSP/SS/SS</b>	<b>Weight: 78 kg</b>	<b>Length: 325 mm</b>	<b>Pressure Drop: 38 Pa</b>
<b>Brand:</b>	ROX		<b>Guiding Rail:</b>	V2A (AISI304)	
<b>Material:</b>	Alu		<b>Condensate Trough:</b>	RAL/V2A (AISI304)	
<b>Design:</b>	Access Panel		<b>Condensate Drain:</b>	Yes	
<b>Lockers:</b>	Lockers				

**Accessories**

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



Datasheet: 02037450  
 Project: W856616  
 Location:  
 Unit:

Position: 745001  
 Side: 5 by 11  
 Date: 04.08.2025  
 Tender Position:



<b>(SUP) Cooler</b>		<b>GSP/SS/SS</b>	<b>Weight: 393 kg</b>	<b>Length: 570 mm</b>	<b>Pressure Drop: 214 Pa</b>
<b>Brand:</b>	ROX		<b>Type:</b>	CW-BR.G-2.6-1415-1102-11R-14-Cu0,35-AI0,12-AISI304-1-Cu 2"-E1-9-L-0	
<b>Pipes:</b>	Copper		<b>Heat Transfer Medium:</b>	AntifrogenL	
<b>Fin:</b>	Aluminum		<b>Weight Heat Exchanger:</b>	255,95	
<b>Collector:</b>	Copper		<b>Medium</b>		
<b>Frame:</b>	V2A (AISI304)		<b>Flow-Rate:</b>	m³/h	10,96
<b>Separation (A x B)</b>	mm		<b>Temp. In:</b>	°C	-2,00
<b>Quantity Pipe Rows:</b>	11		<b>Temp. Out:</b>	°C	4,00
<b>Fin Distance:</b>	mm	2,60	<b>Charge:</b>	l	64,85
<b>Connections:</b>	Gerade		<b>Medium speed:</b>	m/sec	1,49
<b>Connection Inlet:</b>	1xCu DN50 2"		<b>Pressure Drop:</b>	kPa	227,75
<b>Connection Outlet:</b>	1xCu DN50 2"				
<b>Finned height:</b>	mm	1102	<b>Air</b>		
<b>Finned width:</b>	mm	1415	<b>Air Volume:</b>	m³/h	17000
<b>Freeze protection:</b>	°C	-16,00	<b>Temp. In:</b>	°C	10,00
			<b>Rel. Humidity In:</b>	%	100,00
			<b>Temp. Out:</b>	°C	4,00
			<b>Rel. Humidity out:</b>	%	100,00
			<b>Pressure Drop:</b>	Pa	214
			<b>Pressure Drop dry:</b>	Pa	168
			<b>Speed of air:</b>	m/sec	2,86
			<b>Dehumidification:</b>	kg/h	52,50
			<b>Reserve capacity:</b>	%	10,79
			<b>Capacity lat.:</b>	kW	36,73
			<b>Capacity sens.:</b>	kW	34,32
			<b>Capacity:</b>	kW	71,05
<b>Design:</b>	Fixed Panel		<b>Condensate Trough:</b>	RAL/V2A (AISI304)	
	Screw flanges and counterflanges as weld-on flanges PN16				

<b>(SUP) Droplet Eliminator</b>		<b>GSP/SS/SS</b>	<b>Weight: 59 kg</b>	<b>Length: 175 mm</b>	<b>Pressure Drop: 38 Pa</b>
<b>Brand:</b>	ROX		<b>Guiding Rail:</b>	V2A (AISI304)	
<b>Material:</b>	Alu		<b>Condensate Trough:</b>	RAL/V2A (AISI304)	
<b>Design:</b>	Access Panel		<b>Condensate Drain:</b>	Yes	
<b>Lockers:</b>	Lockers				

### Accessories

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

Datasheet: 02037450  
 Project: W856616  
 Location:  
 Unit:

Position: 745001  
 Side: 6 by 11  
 Date: 04.08.2025  
 Tender Position:



<b>Plate Heat Exchanger</b>	<b>GSP/SS/SS</b>	<b>Weight: 774 kg</b>	<b>Length: 2010 mm</b>	<b>Pressure Drop: 173 Pa</b>
Brand:	ROX	Actuator:	Ohne	
Type:	H2A1200-1592-060-2E00-7-2-0-1592	Actuator adapter:	Without	
Diagonal:	mm 1697	Bypass:	Without	
Package width:	mm 1592	Bypass width:	mm -	
Material:	Aluminium	Bypass Damper:	Without	
		Droplet Eliminator:	Without	

Operation Point: Winter		Supply Air	Extract Air
Air Volume:	m <sup>3</sup> /h	17000	17000
Temp. In:	°C	-2,0	55,0
Rel. Humidity In:	%	80,0	30,0
Temp. Out:	°C	38,9	28,7
Rel. Humidity out:	%	6,1	100,0
Pressure Drop dry:	Pa	173	180
Pressure Drop wet:	Pa	173	180
Pressure drop standard density:	Pa	173	180
Humidification / Dehumidification:	g/kg	0,0	0,0
Condensate:	kg/h	0,0	107,7
Air velocity:	m/s	2,3	2,8
Heat Recovery dry:	%	62,0	
Heat Recovery wet:	%	72,0	
Heat Recovery:	kW	231,0	

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

### Accessories

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



Datasheet: 02037450  
Project: W856616  
Location:  
Unit:

Position: 745001  
Side: 7 by 11  
Date: 04.08.2025  
Tender Position:



<b>(SUP) Heater</b>	<b>GSP/SS/SS</b>	<b>Weight: 340 kg</b>	<b>Length: 365 mm</b>	<b>Pressure Drop: 47 Pa</b>
Brand:	ROX	Type:	D/50/984/1R/1W/2,0 St vz,36/ST vz	
Pipes:	Galvanized steel	Heat Transfer Medium:	Steam	
Fin:	Galvanized steel	Weight Heat Exchanger:	kg	260,40
Collector:	Galvanized steel	<u>Medium</u>		
Frame:	Galvanized steel	Flow-Rate:	m <sup>3</sup> /h	517,98
Separation (A x B)	mm	Temp. In:	°C	164,89
Quantity Pipe Rows:	1	Temp. Out:	°C	7,00
Fin distance:	mm 2,00	Charge:	l	22,80
Connections:	straight	<u>Luft</u>		
Connection Inlet:	DN50	Air Volume:	m <sup>3</sup> /h	17000
Connection Outlet:	DN40	Temp. In:	°C	26,00
Finned height:	mm 984	Temp. Out:	°C	78,00
Finned width:	mm 1555	Pressure Drop:	Pa	47
Freeze protection:	°C 0,00	Capacity:	kW	297,55
Surface Reserve:	% 10,9			

Design: Fixed Panel

Hints: This component is not included in the software Eurovent certified

<b>(SUP) Heater</b>	<b>GSP/SS/SS</b>	<b>Weight: 525 kg</b>	<b>Length: 385 mm</b>	<b>Pressure Drop: 93 Pa</b>
Brand:	ROX	Type:	D/50/984/2R/1W/2,0 St vz,36/ST vz	
Pipes:	Galvanized steel	Heat Transfer Medium:	steam	
Fin:	Galvanized steel	Weight Heat Exchanger:	kg	451,60
Collector:	Galvanized steel	<u>Medium</u>		
Frame:	Galvanized steel	Flow-Rate:	m <sup>3</sup> /h	517,98
Quantity Pipe Rows:	2	Temp. In:	°C	164,89
Fin distance:	mm 2,00	Temp. Out:	°C	7,00
Connections:	straight	Charge:	l	41,80
Connection Inlet:	DN50	<u>Luft</u>		
Connection Outlet:	DN40	Air Volume:	m <sup>3</sup> /h	17000
Finned height:	mm 984	Temp. In:	°C	78,00
Finned width:	mm 1555	Temp. Out:	°C	130,00
Freeze protection:	°C 0,00	Pressure Drop:	Pa	93
Surface Reserve:	% 12,44	Capacity:	kW	297,55

Design: Fixed Panel

Measuring nipple 1/2" with plug

Hints: This component is not included in the software Eurovent certified

Datasheet: 02037450  
Project: W856616  
Location:  
Unit:

Position: 745001  
Side: 8 by 11  
Date: 04.08.2025  
Tender Position:



**(SUP) Air Outlet Section**    GSP/SS/SS    Weight: 160 kg    Length: 582 mm    Pressure Drop: 31 Pa

**Connection:**

Layer: Roof  
Material: galvanized  
Design: Flexible connection  
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
	Flexible connector, heat resistant	



Datasheet: 02037450  
 Project: W856616  
 Location:  
 Unit:

Position: 745001  
 Side: 9 by 11  
 Date: 04.08.2025  
 Tender Position:



## Technical Data Extract Air

Outside Metal Sheet:	mm	1,0 galvanized and painted, RAL RAL 9001	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 <sup>3</sup>
Dimensions (L x W x H):	mm	4806x1723x1414	Insulation Walls:	Mineral Wool 99kg/m <sup>3</sup>
Air velocity:	m/sec	2,25	Class of Velocity:	V5
Weight:	kg	929	Design:	VDI 6022

**(EXT) Air Inlet Section**      **GSP/SS/SS**      **Weight: 183 kg**      **Length: 732 mm**      **Pressure Drop: 7 Pa**

### Connection:

Layer: Front Side  
 Material: galvanized  
 Design: Flexible connection  
 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
	1 measuring nipple 1/2" with plug	
	Flexible connector ATEX version	

**(EXT) Filter**      **GSP/SS/SS**      **Weight: 109 kg**      **Length: 600 mm**      **Pressure Drop: 100 Pa**

Brand: ROX      Filter Maintenance: Dust Air Side  
 Spare Filter: No      Frame: V2A (AISI304)  
 1st Filter step  
 Filter Type: Bag Filter      Energy Efficiency Class: D  
 Filter Class EN779:2012: M5      Filter Surface: m<sup>2</sup> 18,4  
 Filter Class ISO16890: ePM10 60%      Medium: Glass Fibre

ΔP Initial: Pa 50  
 ΔP End: Pa 150  
 Max. Pressure Drop: Pa 250  
 ΔP Dim: Pa 100

Type/Size/Quantity			
	HFGS-M5-592x592x520-10-Atex	592*592*520 mm	4 Stück
	HFGS-M5-287x592x520-05-Atex	287*592*520 mm	2 Stück

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

### Accessories

Item Number	Description	Weight
	Filter ATEX Ausführung	



Datasheet: 02037450  
 Project: W856616  
 Location:  
 Unit:

Position: 745001  
 Side: 10 by 11  
 Date: 04.08.2025  
 Tender Position:



**(EXT) Empty section**      GSP/SS/SS      Weight: 138 kg      Length: 840 mm      Pressure Drop: 0 Pa

Design: Fixed Panel

**(EXT) Empty section**      GSP/SS/SS      Weight: 144 kg      Length: 945 mm      Pressure Drop: 0 Pa

Design: Fixed Panel

**(EXT) Empty section**      GSP/SS/SS      Weight: 96 kg      Length: 601 mm      Pressure Drop: 0 Pa

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

**(EXT) Air Outlet Section**      GSP/SS/SS      Weight: 259 kg      Length: 703 mm      Pressure Drop: 93 Pa

**Connection:**

Layer: Roof  
 Material: galvanized  
 Design: flexible connector  
 Potential Equalisation: Yes

**Damper Size:**

Assembly: Inside  
 Material: V2A (AISI304)  
 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): 1369 x 509 x 175

Dimensions (W x H) 1530 x 550

**Connection:**

Layer: Floor  
 Material: galvanized  
 Design: Without  
 Potential Equalisation: Yes

**Damper Size:**

Assembly: Inside  
 Material: V2A (AISI304)  
 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): 1369 x 509 x 175

Dimensions (W x H) 1369 x 509

Grating: Without

Design: Fixed Panel

**Accessories**

Item Number	Description	Weight
	ATEX version flaps	
	ATEX flexible connectors	



**Datasheet:** 02037450  
**Project:** W856616  
**Location:**  
**Unit:**

**Position:** 745001  
**Side:** 11 by 11  
**Date:** 04.08.2025  
**Tender Position:**



**ATTENTION!**  
**Included in delivery:**

**Enthalpy control:**

3 servomotors, continuous 24 V NF24A-SR  
3 Red Cos-D temperature/humidity modules  
3 Ex Pro CTF-200  
3 VL3 sensor extensions  
1 sensor in the outside air duct (provided by customer)  
1 sensor centered in front of the outside air filter M5 (pre-assembled!)  
1 sensor in the center of the exhaust air/mixing chamber (pre-assembled!)  
3 MKF mounting flanges for duct installation  
1 M20 ATEX cable gland supplied separately

**1 hand gun for foil cartridge:**

Item number 2097001 FK hand gun 70738

**Software ALAG**  
**[17.07.2025]**  
**Version 1.24/4.2**

