

Pos. 1 1 unità **SCAMBIATORE TERMICO DI GAS DI COMBUSTIONE**
EXHAUST GAS HEAT EXCHANGER **N-28-700/4000-1H-1AX-P**

Superficie di scambio / Heat transfer surface	m²	124		
Potenza / Thermal output	kW	874	pulito:	899 kW
Elemento all'interno dei tubi / TUBE SIDE				Gas di combustione (gas naturale)
Quantità / flow rate	kg/h	11829		
Temperatura di ingresso / inlet temperature	°C	362		
Temperatura di uscita / outlet temperature	°C	120	pulito:	113 °C
Temperatura di esercizio max / max. operating temperature	°C	550		
Pressione di esercizio max / max. operating pressure	barg	0,1		
Perdita di pressione / pressure drop	mbar	12		
Allacciamenti / connections	DN/PN	600/10		
Elemento attorno ai tubi / SHELL SIDE				Acqua
Quantità / flow rate	m³/h	124,7	minimo:	58 m³/h
Temperatura di ingresso / inlet temperature	°C	88,8		
Temperatura di uscita / outlet temperature	°C	95		
Temperatura di esercizio max / max. operating temperature	°C	110		
Pressione di esercizio max. / max. operating pressure	barg	10		
Perdita di pressione / pressure drop	mbar	170		
Allacciamenti / connections	DN/PN	150/16		
Contenuto / capacity	lt.	+/-760		
Materiali / MATERIALS				
Tubi / tubes				acciaio inossidabile / stainless steel
Piastre tubiere / tube plates				acciaio inossidabile / stainless steel
Pareti guida / baffles				acciaio / steel
Mantello / shell				acciaio / steel
Camera di ingresso del gas di combustione / exhaust gas inlet channel				acciaio / steel
Camera di uscita del gas di combustione / exhaust gas outlet channel				acciaio inossidabile; flangia saldata: acciaio stainless steel / welding flanges: steel
Guarnizioni / gaskets				ceramica / ceramic seal
Lunghezza totale / total length	mm	+/-5960		
Diametro del mantello / shell diameter	mm	711		
Peso (a vuoto) / weight (empty)	kg	+/-2050		
Collaudo / official acceptance				PED 97/23/CE in combinazione con il codice AD-Merkblätter e la verifica della pressione dell'impianto (Werksdruckprüfung) PED 97/23/EC in accordance with AD-Merkblätter/TRD and factory pressure test
Verniciatura / surface treatment				Vernice di fondo / priming coat

Pos. 2	1 pc.	EXHAUST GAS BYPASS	DN 600-X
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Consisting of:

- Exhaust gas bypass with bellow expansion joint
- 2 dampers to be installed between flanges PN 10
- Connected by couple rod for the forced control of the second flap
- Single acting pneumatic modulating control drive (spring-back, fail safe)
 - 24V/DC
 - Including 3/2-way solenoid valve
 - Siemens Sipart PS2 (input 4...20mA)
 - Additional position feedback (4...20mA)
 - Required working pressure 5barg
- Max. operating temperature: 550 °C
- Max. pressure: < 0.1 barg
- Leakage rate: approx. 1 % of KvS
- Material bypass: stainless steel
- Material of welding flanges: steel
- End switches at damper shafts to control end position

Remark:

- Ambient temperature -10 – 40 °C
- For indoor installation

Pos. 3	1 pc.	EXHAUST GAS SILENCER	SDRA-1270-51/6000-2H-3A
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working principle		combined-reactive-absorptive silencer (horizontal version)
sound pressure level	dB(A)	45 @ 10m open field
pressure drop	mbar	6,3
flow rate	kg/h	11.829
inlet temperature	°C	400
max. operating temperature	°C	550

DIMENSIONS

outside diameter	mm	Ø 1.270	
total length	mm	6.000	
inlet connections	DN/PN	600/10	axial
outlet connections	DN/PN	600/10	radial
weight	kg	+/- 1.950	

material of flanges and parts in contact with the exhaust gas	mild steel S235JR
shell and supports	carbon steel

Optional:

Internal insulation of the reactive part of the silencer (for an additional surcharge)

Remark:

The reactive part of this silencer is **without heat insulation**. Because of the radiated heat and the structure-borne noise we recommend urgently insulation on site.