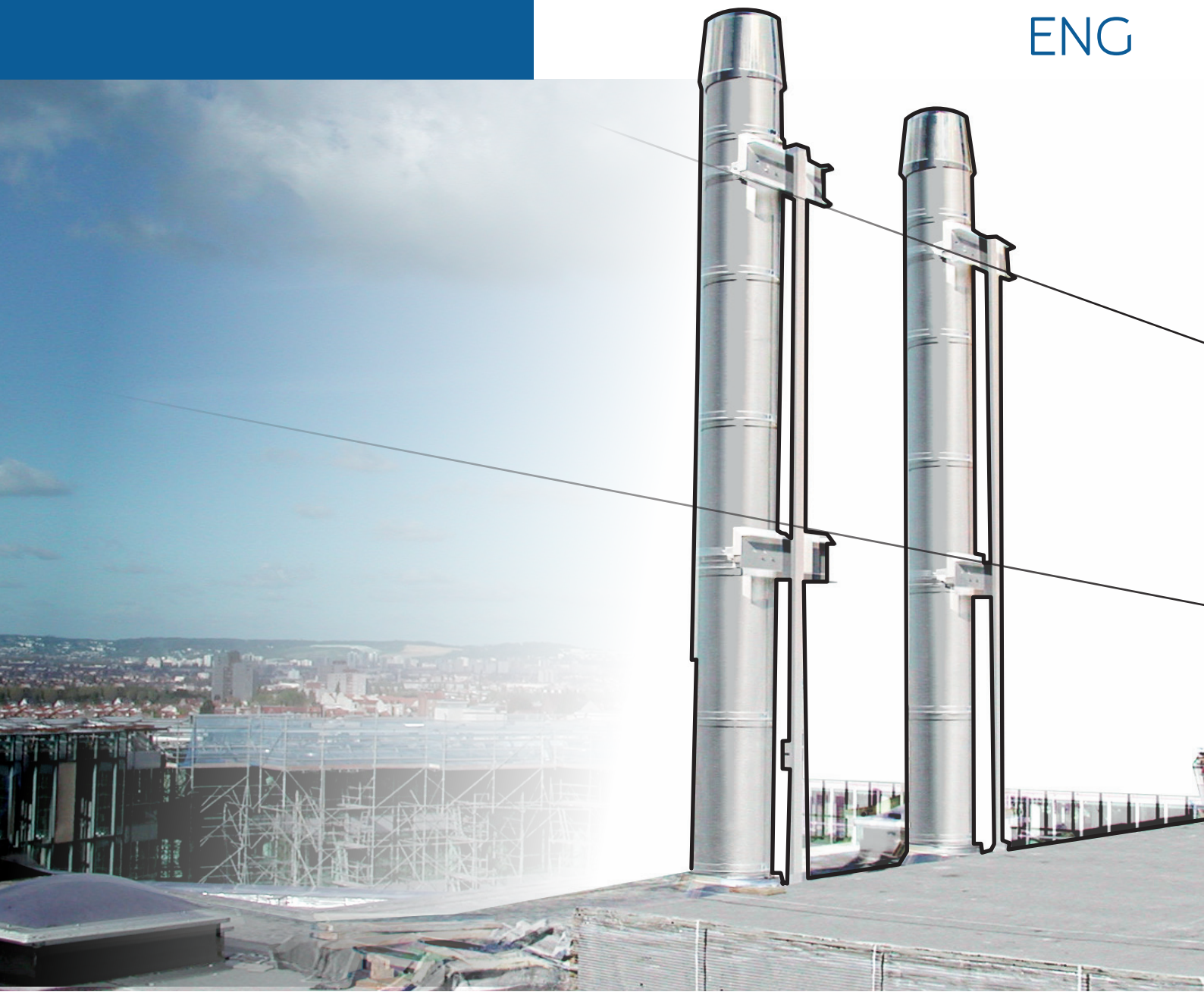
ENG



THERM+ GEP

TWINWALL INSULATED EXHAUST SYSTEM
FOR POWER GENERATORS

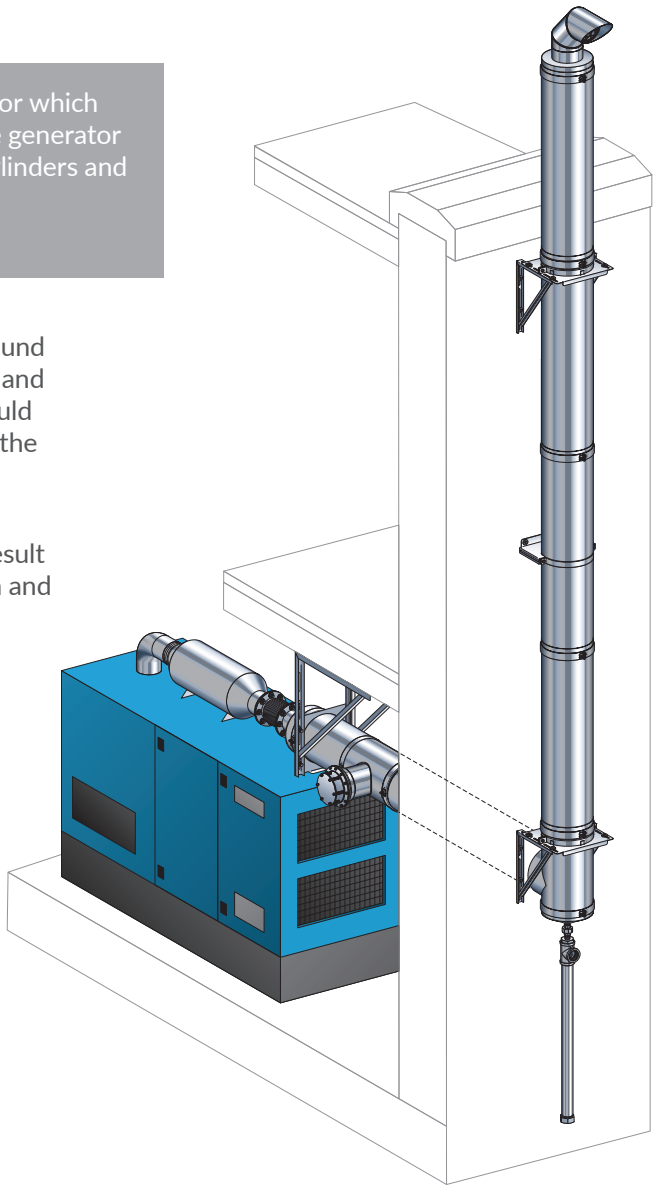
GAS & OIL

Heating&Power Poujoulat
Chimney & Exhaust Solutions

THERM+ GEP

TWIN WALL INSULATED CHIMNEY SYSTEM FOR POWER GENERATORS

Generators are used to produce electricity via an alternator which is driven by the engine (usually a combustion engine). The generator set exhaust system must collect gases from the engine cylinders and discharge them as quickly and silently as possible.



These flue gases are travelling at high speed (typically around 30m/sec) at temperatures ranging from 400°C to 600°C and at pressures up to 5000 Pascals. The exhaust system should be designed where possible to minimize back pressure at the generator outlet which can cause horsepower losses and temperature increases that can shorten the engine's life.

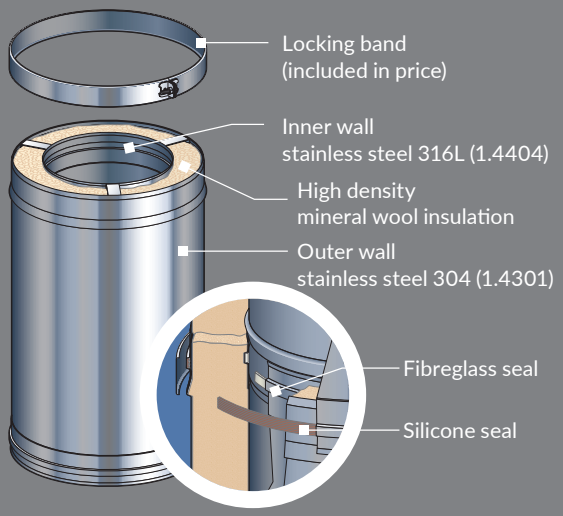
The combination of these flue gas characteristics often result in the emission of excessive noise and increased vibration and the chimney system must be protected from this.

The Therm + GEP chimney system from Poujoulat is ideal for generator set exhaust applications.

Several factors impact the exhaust system performance. Building constraints, noise control, condensation, vibration, heat dissipation and building codes must be considered.

Inner diameter Ø		150	200	250	300	350	400	450	500	600
Outer diameter Ø THERM+ GEP 50		250	300	350	400	450	500	550	600	700
Outer diameter Ø THERM+ GEP 100		350	400	450	500	550	600	650	700	800
Inner wall (thickness [mm])	THERM+ GEP 50/GEP 100	AISI 316L								
		5/10		6/10		8/10				
Outer wall (thickness [mm])	THERM+ GEP 50/GEP 100	AISI 304								
		5/10				6/10				
Insulation	THERM+ GEP 50	50 mm high density mineral wool insulation 100 kg/m³								
	THERM+ GEP 100	100 mm high density mineral wool insulation 100 kg/m³							-	-
Thermal resistance (m² K/W)	THERM+ GEP 50	0,76								
	THERM+ GEP 100	1,55	1,55	1,55	1,55	1,55	1,55	1,55	-	-

TECHNICAL DATA



071-CPR-19655

THERM + GEP 50
T600 H1 D V2 L50050 O50 (Ø150-200)
T600 H1 D V2 L50060 O50 (Ø250-300)
T600 H1 D V2 L50080 O75 (Ø350-450)
T600 H1 D V2 L50080 O100 (Ø500-600)

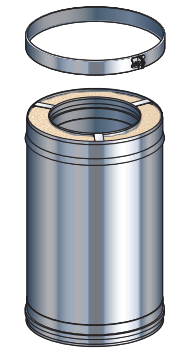
THERM + GEP 100
T600 H1 D V2 L50050 O50 (Ø150-200)
T600 H1 D V2 L50060 O50 (Ø250-300)
T600 H1 D V2 L50080 O75 (Ø350-450)

TECHNOLOGY

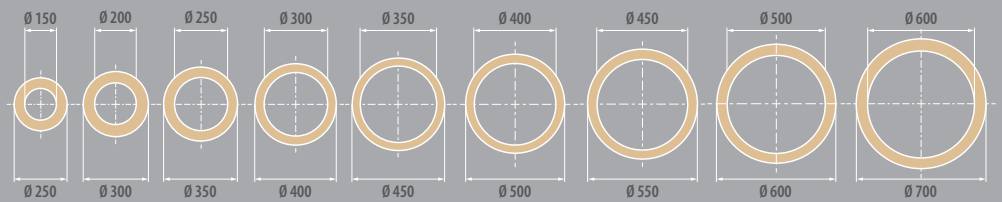
- THERM+ GEP is available in two thicknesses of insulation: 50 mm and 100 mm.
- The chimney construction prevents heat bridges and allows free dilatation of the internal flue. The system can be easily assembled and disassembled giving you a significant competitive advantage in the course of installation. A wide range of accessories is offered such as support brackets complete with anti-vibration mounts, components for explosion or implosion relief, expansion bellows and adjustable lengths.

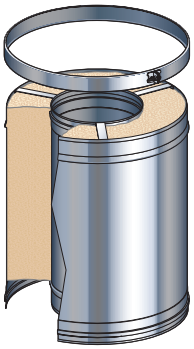
POUJOULAT

- **Optimisation**: High thermal performance of the chimney system ensures maximum operational efficiency and reduces the space required for the installation. It also provides a controlled outer casing surface temperature and minimizes risk to personnel.
- **Compliance with standards**: CE marked to EN 1856-1.
- **Installation:** Easy to install, push fit joints with secure locking bands, wall brackets at 4.0 m intervals, with up to 8.0 m or 12.0 m on a wall support and up to 3.0 m freestanding.
- **Safety:** Tested by CERIC laboratory.
- **Innovation:** The system is designed to work as a pressure tight system up to 5000 Pa (H1). The push fit joint system allows for thermal movement within the system using standard components.

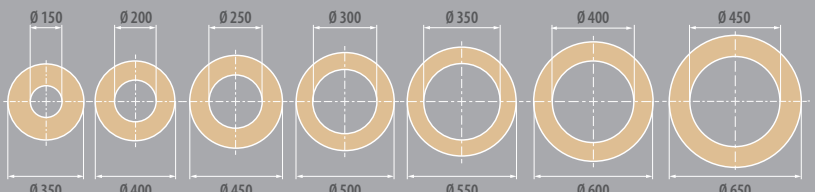


TERM+ GEP 50

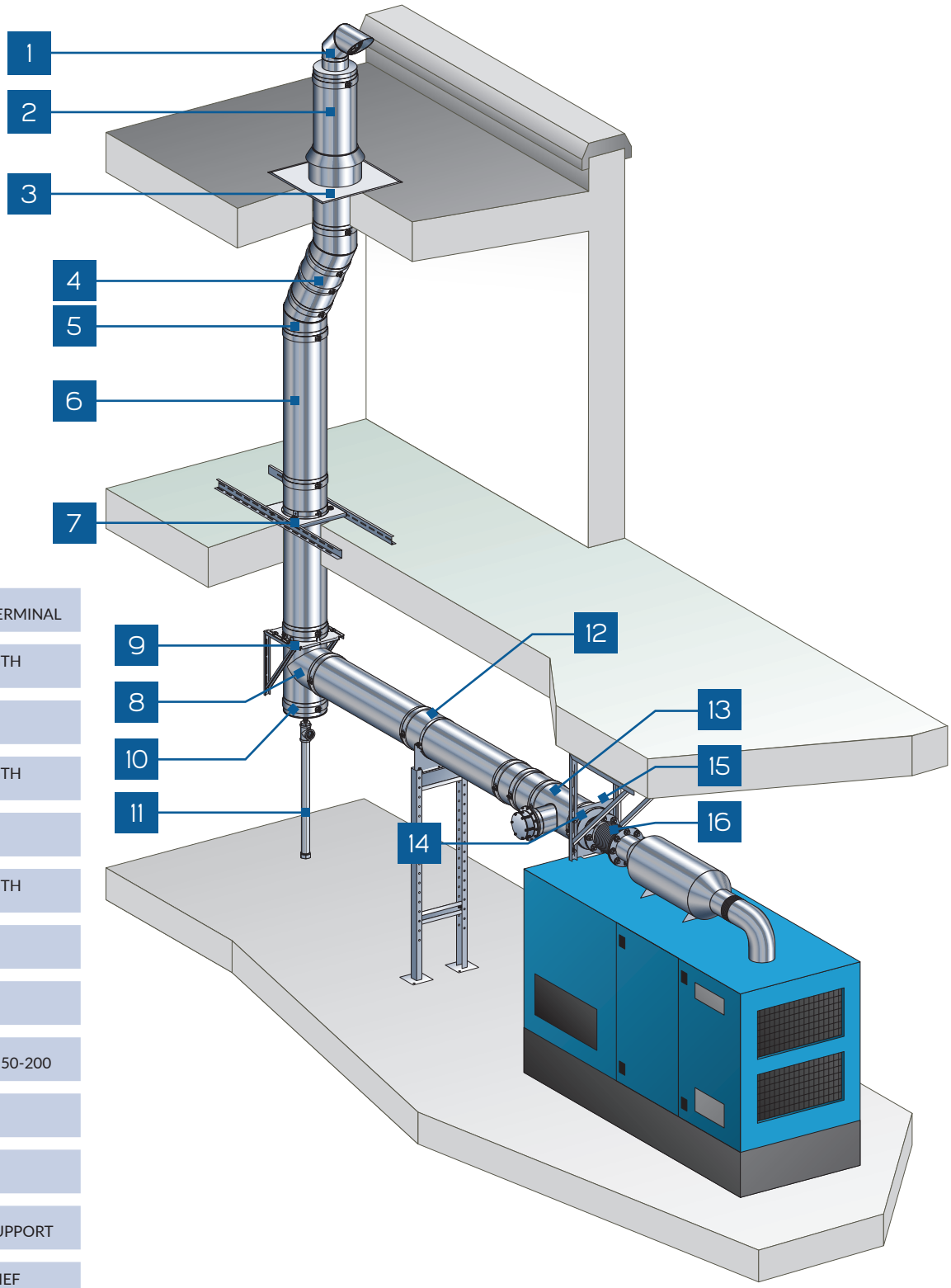




TERM+ GEP 100

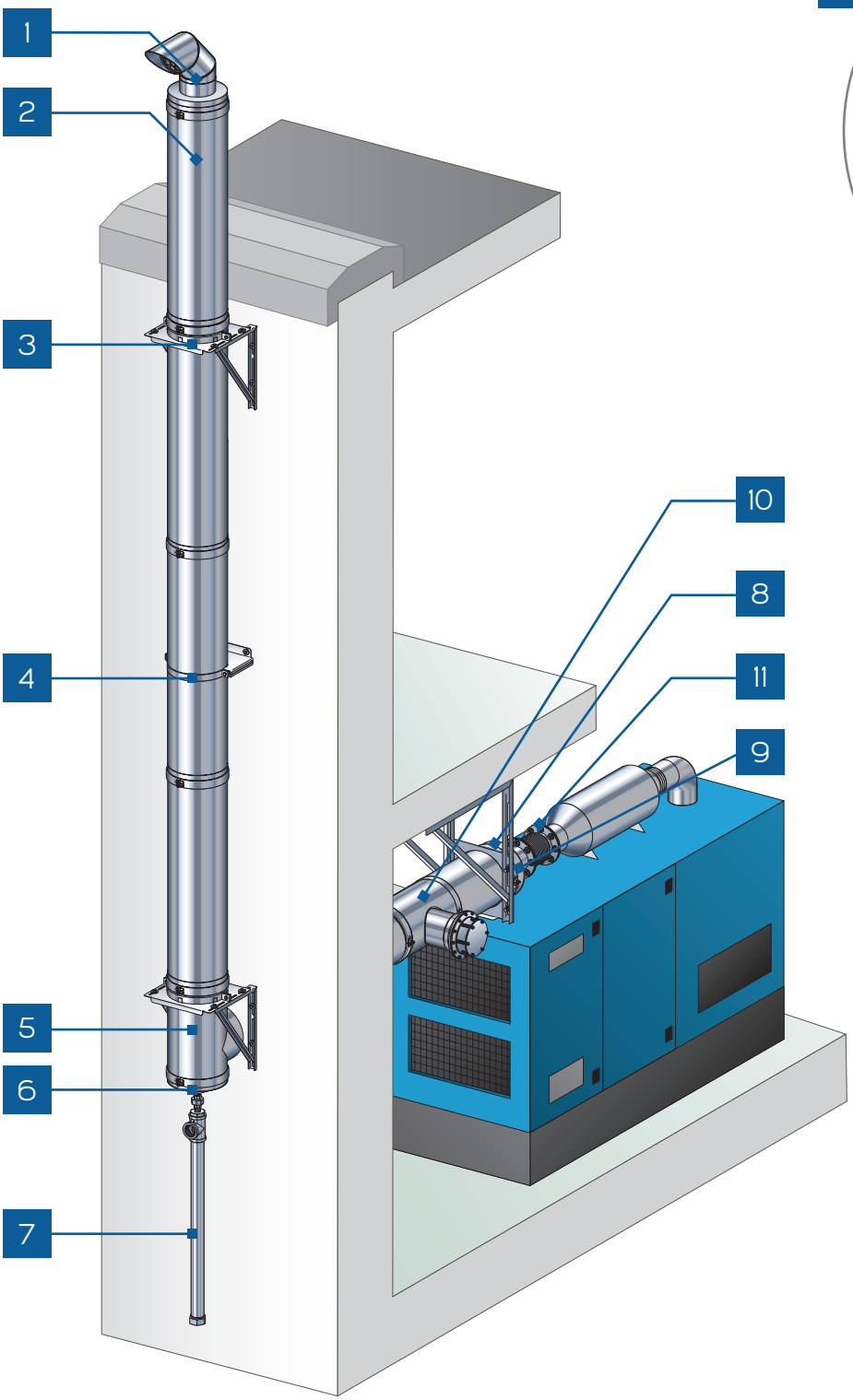


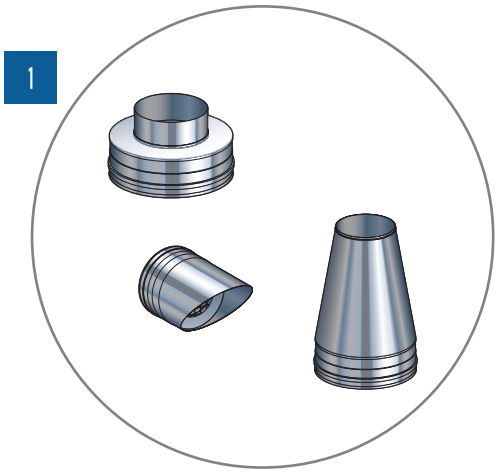
INTERNAL APPLICATION



1	SIF 90	VERTICAL 90° TERMINAL
2	ED 450	STRAIGHT LENGTH 450 MM
3	SIO	FLAT FLASHING
4	ED 250	STRAIGHT LENGTH 250 MM
5	EC 45	45° ELBOW
6	ED 950	STRAIGHT LENGTH 950 MM
7	SP	JOIST SUPPORT
8	T 90	TEE 90°
9	SMI	WALL SUPPORT 50-200
10	CE	DRAIN PLUG
11	SIPHON	SIPHON
12	PSC	HORIZONTAL SUPPORT
13	TE AE	EXPLOSION RELIEF SECTION
14	RACC RB	ADAPTOR WITH FLANGE
15	SMI	WALL SUPPORT
16	KOMP DRG	EXPANSION BELLOWS

EXTERNAL APPLICATION

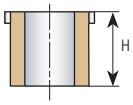




1	SIF 90	VERTICAL 90° TERMINAL
2	ED 950	STRAIGHT LENGTH 950 MM
3	SMI	WALL SUPPORT 50-200
4	CMI	WALL BRACKET
5	T 90	TEE 90°
6	CE	DRAIN PLUG
7	SIPHON	SIPHON
8	SMI	WALL SUPPORT
9	RACC RB	ADAPTOR WITH FLANGE
10	TE AE	EXPLOSION RELIEF SECTION
11	KOMP DRG	EXPANSION BELLOWS

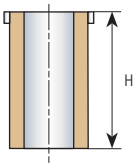
GAS / OIL

STRAIGHT LENGTHS



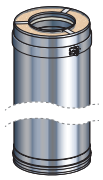
STRAIGHT LENGTH 25 CM

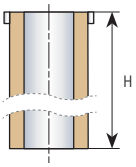
Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	ED 250 150 GEP 50	ED 250 200 GEP 50	ED 250 250 GEP 50
Part No.	29 150 303	29 200 303	29 250 303
H [mm]	300	300	300
Weight [kg]	2	3	4



STRAIGHT LENGTH 50 CM

Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	ED 450 150 GEP 50	ED 450 200 GEP 50	ED 450 250 GEP 50
Part No.	29 150 304	29 200 304	29 250 304
H [mm]	500	500	500
Weight [kg]	4	5	6



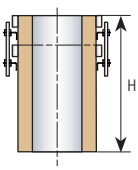


STRAIGHT LENGTH 100 CM

Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	ED 950 150 GEP 50	ED 950 200 GEP 50	ED 950 250 GEP 50
Part No.	29 150 305	29 200 305	29 250 305
H [mm]	1000	1000	1000
Weight [kg]	8	10	12

* dimensions can vary by tolerance of +/- 5mm

ADJUSTABLE LENGTHS



ADJUSTABLE LENGTH 25-37 CM

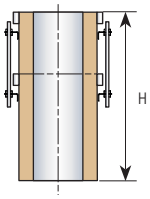
Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	ER 25-37 150 GEP 50	ER 25-37 200 GEP 50	ER 25-37 250 GEP 50
Part No.	29 150 327	29 200 327	29 250 327
H min [mm]	300	300	300
H max [mm]	420	420	420
Weight [kg]	4	5	6

300	350	400	450	500	600
400	450	500	550	600	700
ED 250 300 GEP 50	ED 250 350 GEP 50	ED 250 400 GEP 50	ED 250 450 GEP 50	ED 250 500 GEP 50	ED 250 600 GEP 50
29 300 303	29 350 303	29 400 303	29 450 303	29 500 303	29 600 303
300	300	300	300	300	300
5	6	7	8	9	10

300	350	400	450	500	600
400	450	500	550	600	700
ED 450 300 GEP 50	ED 450 350 GEP 50	ED 450 400 GEP 50	ED 450 450 GEP 50	ED 450 500 GEP 50	ED 450 600 GEP 50
29 300 304	29 350 304	29 400 304	29 450 304	29 500 304	29 600 304
500	500	500	500	500	500
7	9	11	12	13	16

300	350	400	450	500	600
400	450	500	550	600	700
ED 950 300 GEP 50	ED 950 350 GEP 50	ED 950 400 GEP 50	ED 950 450 GEP 50	ED 950 500 GEP 50	ED 950 600 GEP 50
29 300 305	29 350 305	29 400 305	29 450 305	29 500 305	29 600 305
1000	1000	1000	1000	1000	1000
15	18	22	25	27	32

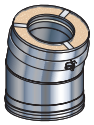
300	350	400	450	500	600
400	450	500	550	600	700
ER 25-37 300 GEP 50	ER 25-37 350 GEP 50	ER 25-37 400 GEP 50	ER 25-37 450 GEP 50	ER 25-37 500 GEP 50	ER 25-37 600 GEP 50
29 300 327	29 350 327	29 400 327	29 450 327	29 500 327	29 600 327
300	300	300	300	300	300
420	420	420	420	420	420
7	8	10	11	12	13

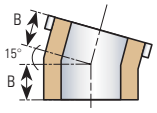


ADJUSTABLE LENGTH 55-90 CM

Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	ER 55-90 150 GEP 50	ER 55-90 200 GEP 50	ER 55-90 250 GEP 50
Part No.	29 150 326	29 200 326	29 250 326
H min [mm]	600	600	600
H max [mm]	950	950	950
Weight [kg]	6	8	10

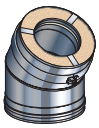
ELBOWS

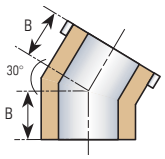




ELBOW 15°

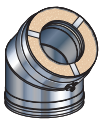
Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	EC 15 150 GEP 50	EC 15 200 GEP 50	EC 15 250 GEP 50
Part No.	29 150 301	29 200 301	29 250 301
B [mm]	144	152	159
Weight [kg]	2	2	3

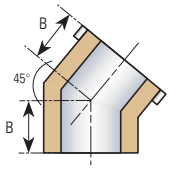




ELBOW 30°

Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	EC 30 150 GEP 50	EC 30 200 GEP 50	EC 30 250 GEP 50
Part No.	29 150 311	29 200 311	29 250 311
B [mm]	144	152	159
Weight [kg]	2	2	3





ELBOW 45°

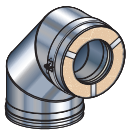
Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	EC 45 150 GEP 50	EC 45 200 GEP 50	EC 45 250 GEP 50
Part No.	29 150 321	29 200 321	29 250 321
B [mm]	144	152	159
Weight [kg]	2	2	3

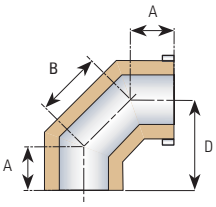
300	350	400	450	500	600
400	450	500	550	600	700
ER 55-90 300 GEP 50	ER 55-90 350 GEP 50	ER 55-90 400 GEP 50	ER 55-90 450 GEP 50	ER 55-90 500 GEP 50	ER 55-90 600 GEP 50
29 300 326	29 350 326	29 400 326	29 450 326	29 500 326	29 600 326
600	600	600	600	600	600
950	950	950	950	950	950
11	14	17	19	21	25

300	350	400	450	500	600
400	450	500	550	600	700
EC 15 300 GEP 50	EC 15 350 GEP 50	EC 15 400 GEP 50	EC 15 450 GEP 50	EC 15 500 GEP 50	EC 15 600 GEP 50
29 300 301	29 350 301	29 400 301	29 450 301	29 500 301	29 600 301
169	184	194	194	194	194
4	5	6	7	8	9

300	350	400	450	500	600
400	450	500	550	600	700
EC 30 300 GEP 50	EC 30 350 GEP 50	EC 30 400 GEP 50	EC 30 450 GEP 50	EC 30 500 GEP 50	EC 30 600 GEP 50
29 300 311	29 350 311	29 400 311	29 450 311	29 500 311	29 600 311
169	184	194	194	194	194
4	5	6	7	8	9

300	350	400	450	500	600
400	450	500	550	600	700
EC 45 300 GEP 50	EC 45 350 GEP 50	EC 45 400 GEP 50	EC 45 450 GEP 50	EC 45 500 GEP 50	EC 45 600 GEP 50
29 300 321	29 350 321	29 400 321	29 450 321	29 500 321	29 600 321
169	184	194	194	207	219
4	5	7	7	9	11

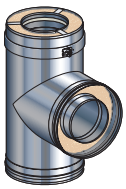


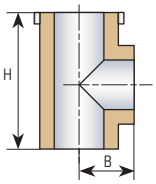


ELBOW 90°

Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	EC 90 150 GEP 50	EC 90 200 GEP 50	EC 90 250 GEP 50
Part No.	29 150 331	29 200 331	29 250 331
A [mm]	145	153	160
B [mm]	197	247	247
D [mm]	285	328	335
Weight [kg]	3	4	5

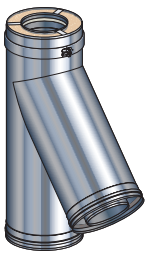
TEES

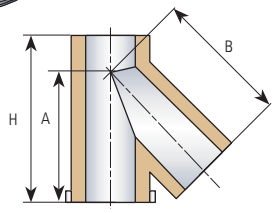




TEE 90°

Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	TE 90 150 GEP 50	TE 90 200 GEP 50	TE 90 250 GEP 50
Part No.	29 150 350	29 200 350	29 250 350
H [mm]	526	576	626
B [mm]	246	271	296
Weight [kg]	5	7	9





TEE 135°

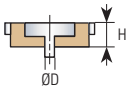
Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	TE 135 150 GEP 50	TE 135 200 GEP 50	TE 135 250 GEP 50
Part No.	29 150 351	29 200 351	29 250 351
H [mm]	746	846	921
A [mm]	546	621	696
B [mm]	546	646	696
Weight [kg]	6	8	11

300	350	400	450	500	600
400	450	500	550	600	700
EC 90 300 GEP 50	EC 90 350 GEP 50	EC 90 400 GEP 50	EC 90 450 GEP 50	EC 90 500 GEP 50	EC 90 600 GEP 50
29 300 331	29 350 331	29 400 331	29 450 331	29 500 331	29 600 331
170	185	195	195	208	220
297	297	297	297	297	322
381	396	396	406	418	448
7	9	11	12	14	18

300	350	400	450	500	600
400	450	500	550	600	700
TE 90 300 GEP 50	TE 90 350 GEP 50	TE 90 400 GEP 50	TE 90 450 GEP 50	TE 90 500 GEP 50	TE 90 600 GEP 50
29 300 350	29 350 350	29 400 350	29 450 350	29 500 350	29 600 350
676	726	776	826	876	976
321	346	371	396	421	471
11	15	19	22	26	33

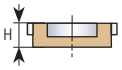
300	350	400	450	500	600
400	450	500	550	600	700
TE 135 300 GEP 50	TE 135 350 GEP 50	TE 135 400 GEP 50	TE 135 450 GEP 50	TE 135 500 GEP 50	TE 135 600 GEP 50
29 300 351	29 350 351	29 400 351	29 450 351	29 500 351	29 600 351
971	1071	1121	1171	1221	1246
746	821	871	921	996	996
746	846	896	896	946	996
14	20	25	28	32	38

DRAIN & PLUG



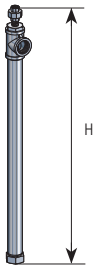
IMPLOSION RELIEF LENGTH

Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	CE 150 GEP 50	CE 200 GEP 50	CE 250 GEP 50
Part No.	29 150 390	29 200 390	29 250 390
H [mm]	90	90	90
Ø D	1/2“	1/2“	1/2“
Weight [kg]	1	1	2



BASE PLUG

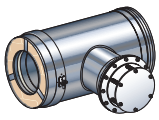
Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	TO 150 GEP 50	TO 200 GEP 50	TO 250 GEP 50
Part No.	29 150 391	29 200 391	29 250 391
H [mm]	90	90	90
Weight [kg]	1	1	2

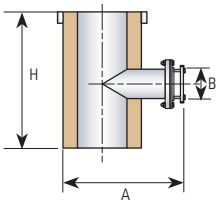


SIPHON

Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	SIPHON INOX GEP		
Part No.	29 000 001		
H [mm]	911	911	911
Weight [kg]	6	6	6

EXTRA COMPONENTS





EXPLOSION RELIEF LENGTH (30.000 PA)

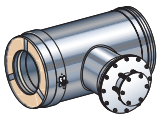
Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	TE AE 150 GEP 50	TE AE 200 GEP 50	TE AE 250 GEP 50
Part No.	29 150 361	29 200 361	29 250 361
H [mm]	496	496	496
A [mm]	462	487	512
B [mm]	165	165	165
Weight [kg]	7	8	9

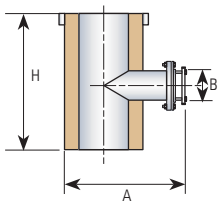
300	350	400	450	500	600
400	450	500	550	600	700
CE 300 GEP 50	CE 350 GEP 50	CE 400 GEP 50	CE 450 GEP 50	CE 500 GEP 50	CE 600 GEP 50
29 300 390	29 350 390	29 400 390	29 450 390	29 500 390	29 600 390
90	90	90	90	90	90
1/2“	1/2“	1/2“	1/2“	1/2“	1/2“
2	3	3	4	4	5

300	350	400	450	500	600
400	450	500	550	600	700
TO 300 GEP 50	TO 350 GEP 50	TO 400 GEP 50	TO 450 GEP 50	TO 500 GEP 50	TO 600 GEP 50
29 300 391	29 350 391	29 400 391	29 450 391	29 500 391	29 600 391
90	90	90	90	90	90
2	3	3	4	4	5

300	350	400	450	500	600
400	450	500	550	600	700
SIPHON INOX GEP					
29 000 001					
911	911	911	911	911	911
6	6	6	6	6	6

300	350	400	450	500	600
400	450	500	550	600	700
TE AE 300 GEP 50	TE AE 350 GEP 50	TE AE 400 GEP 50	TE AE 450 GEP 50	TE AE 500 GEP 50	TE AE 600 GEP 50
29 300 361	29 350 361	29 400 361	29 450 361	29 500 361	29 600 361
496	496	496	496	496	496
537	562	587	612	637	687
165	165	165	165	165	165
9	11	12	13	14	16

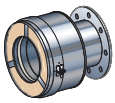


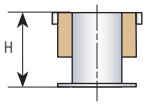


IMPLOSION RELIEF LENGTH (-10.000 PA)

Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	TE CV 150 GEP 50	TE CV 200 GEP 50	TE CV 250 GEP 50
Part No.	29 150 360	29 200 360	29 250 360
H [mm]	496	496	496
A [mm]	462	487	512
B [mm]	165	165	165
Weight [kg]	7	8	9

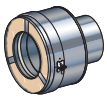
ADAPTORS

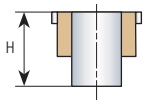




ADAPTOR WITH FLANGE

Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	RAC BR 150 GEP 50	RAC BR 200 GEP 50	RAC BR 250 GEP 50
Part No.	29 150 599	29 200 599	29 250 599
H [mm]	370	370	370
Weight [kg]	7	9	11

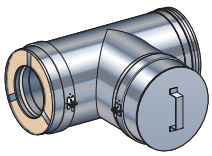


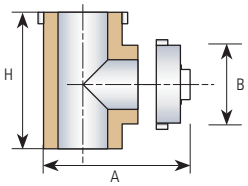


ANCILLARY ADAPTOR WITH FLANGE

Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	RACC 150 GEP 50	RACC 200 GEP 50	RACC 250 GEP 50
Part No.	29 150 384	29 200 384	29 250 384
H [mm]	365	365	365
Weight [kg]	3	3	4

ACCESSORIES





TEE WITH ACCESS CAP

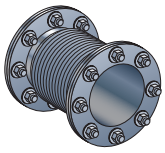
Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	EDTV 150 GEP 50	EDTV 200 GEP 50	EDTV 250 GEP 50
Part No.	29 150 355	29 200 355	29 250 355
H [mm]	526	576	626
A [mm]	497	547	596
B [mm]	250	300	300
Weight [kg]	5	6	8

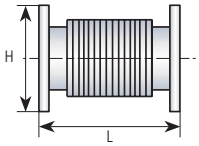
300	350	400	450	500	600
400	450	500	550	600	700
TE CV 300 GEP 50	TE CV 350 GEP 50	TE CV 400 GEP 50	TE CV 450 GEP 50	TE CV 500 GEP 50	TE CV 600 GEP 50
29 300 360	29 350 360	29 400 360	29 450 360	29 500 360	29 600 360
496	496	496	496	496	496
537	562	587	612	637	687
165	165	165	165	165	165
9	11	12	13	14	16

300	350	400	450	500	600
400	450	500	550	600	700
RAC BR 300 GEP 50	RAC BR 350 GEP 50	RAC BR 400 GEP 50	RAC BR 450 GEP 50	RAC BR 500 GEP 50	RAC BR 600 GEP 50
29 300 599	29 350 599	29 400 599	29 450 599	29 500 599	29 600 599
370	370	370	370	370	370
13	16	18	20	22	25

300	350	400	450	500	600
400	450	500	550	600	700
RACC 300 GEP 50	RACC 350 GEP 50	RACC 400 GEP 50	RACC 450 GEP 50	RACC 500 GEP 50	RACC 600 GEP 50
29 300 384	29 350 384	29 400 384	29 450 384	29 500 384	29 600 384
365	365	365	365	365	365
5	6	7	8	9	11

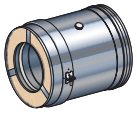
300	350	400	450	500	600
400	450	500	550	600	700
EDTV 300 GEP 50	EDTV 350 GEP 50	EDTV 400 GEP 50	EDTV 450 GEP 50	EDTV 500 GEP 50	EDTV 600 GEP 50
29 300 355	29 350 355	29 400 355	29 450 355	29 500 355	29 600 355
676	726	776	826	876	976
646	696	746	796	846	946
300	300	300	300	300	300
9	11	14	17	19	25

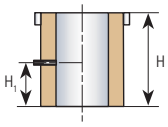




EXPANSION BELLOWS

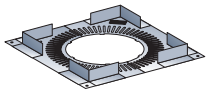
Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	KOMP DRG 150 DU HP	KOMP DRG 200 DU HP	KOMP DRG 250 DU HP
Part No.	PL 29 150 001	PL 29 200 001	PL 29 250 001
H [mm]	to be specified with customer		
L [mm]	to be specified with customer		
Weight [kg]	–	–	–

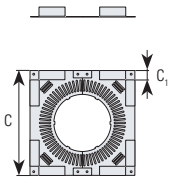




TEST POINT / PROBE LENGTH

Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	EPMF 150 GEP 50	EPMF 200 GEP 50	EPMF 250 GEP 50
Part No.	29 150 318	29 200 318	29 250 318
H [mm]	300	300	300
H_1 [mm]	150	150	150
Weight [kg]	2	2	3

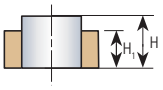




VENTILATED FIRE-STOP PLATE

Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	PPP 150 GEP 50	PPP 200 GEP 50	PPP 250 GEP 50
Part No.	29 150 536	29 200 536	29 250 536
C [mm]	412	462	512
C_1 [mm]	35	35	35
Weight [kg]	1	1	1

TERMINALS



WEATHER TOP

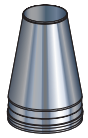
Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	FH 150 GEP 50	FH 200 GEP 50	FH 250 GEP 50
Part No.	29 150 399	29 200 399	29 250 399
H [mm]	149	149	149
H_1 [mm]	87,5	87,5	87,5
Weight [kg]	1	1	1

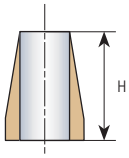
300	350	400	450	500	600
400	450	500	550	600	700
KOMP DRG 300 DU HP	KOMP DRG 350 DU HP	KOMP DRG 400 DU HP	–	KOMP DRG 500 DU HP	KOMP DRG 600 DU HP
PL 29 300 001	PL 29 350 001	PL 29 400 001	–	PL 29 500 001	PL 29 600 001
to be specified with customer					
to be specified with customer					
–	–	–	–	–	–

300	350	400	450	500	600
400	450	500	550	600	700
EPMF 300 GEP 50	EPMF 350 GEP 50	EPMF 400 GEP 50	EPMF 440 GEP 50	EPMF 500 GEP 50	EPMF 600 GEP 50
29 300 318	29 350 318	29 400 318	29 450 318	29 500 318	29 600 318
300	300	300	300	300	300
150	150	150	150	150	150
3	4	5	6	6	7

300	350	400	450	500	600
400	450	500	550	600	700
PPP 300 GEP 50	PPP 350 GEP 50	PPP 400 GEP 50	PPP 440 GEP 50	PPP 500 GEP 50	PPP 600 GEP 50
29 300 536	29 350 536	29 400 536	29 450 536	29 500 536	29 600 536
562	612	662	712	762	862
35	35	35	35	35	35
2	2	2	2	3	3

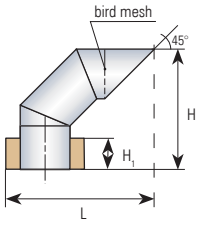
300	350	400	450	500	600
400	450	500	550	600	700
FH 300 GEP 50	FH 350 GEP 50	FH 400 GEP 50	FH 440 GEP 50	FH 500 GEP 50	FH 600 GEP 50
29 300 399	29 350 399	29 400 399	29 450 399	29 500 399	29 600 399
149	149	149	149	149	149
87,5	87,5	87,5	87,5	87,5	87,5
1	2	2	2	2	2





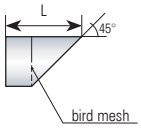
CONE TOP

Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	CFI 150 GEP 50	CFI 200 GEP 50	CFI 250 GEP 50
Part No.	29 150 385	29 200 385	29 250 385
H [mm]	393	393	393
Weight [kg]	2	3	3



VERTICAL 90° TERMINAL

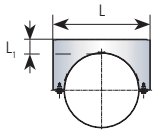
Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	SIF 90 150 GEP 50	SIF 90 200 GEP 50	SIF 90 250 GEP 50
Part No.	29 150 381	29 200 381	29 250 381
H [mm]	384	433	482
H_1 [mm]	87,5	87,5	87,5
L [mm]	466	566	665
Weight [kg]	2	2	3



HORIZONTAL TERMINAL

Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	SIF 150 GEP 50	SIF 200 GEP 50	SIF 250 GEP 50
Part No.	29 150 382	29 200 382	29 250 382
L [mm]	422	472	522
Weight [kg]	2	2	3

SUPPORT COMPONENTS



WALL BRACKET

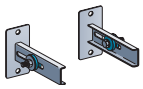
Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	CMI 150 GEP 50	CMI 200 GEP 50	CMI 250 GEP 50
Part No.	29 150 575	29 200 575	29 250 575
L [mm]	334	384	436
L_1 [mm]	47,5	47,5	47,5
Weight [kg]	1	1	2

300	350	400	450	500	600
400	450	500	550	600	700
CFI 300 GEP 50	CFI 350 GEP 50	CFI 400 GEP 50	CFI 450 GEP 50	CFI 500 GEP 50	CFI 600 GEP 50
29 300 385	29 350 385	29 400 385	29 450 385	29 500 385	29 600 385
393	393	393	393	393	393
4	4	5	6	7	8

300	350	400	450	500	600
400	450	500	550	600	700
SIF 90 300 GEP 50	SIF 90 350 GEP 50	SIF 90 400 GEP 50	SIF 90 440 GEP 50	SIF 90 500 GEP 50	SIF 90 600 GEP 50
29 300 381	29 350 381	29 400 381	29 450 381	29 500 381	29 600 381
531	580	629	678	727	826
87,5	87,5	87,5	87,5	87,5	87,5
764	864	963	1063	1162	1360
4	6	7	10	12	16

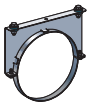
300	350	400	450	500	600
400	450	500	550	600	700
SIF 300 GEP 50	SIF 350 GEP 50	SIF 400 GEP 50	SIF 450 GEP 50	SIF 500 GEP 50	SIF 600 GEP 50
29 300 382	29 350 382	29 400 382	29 450 382	29 500 382	29 600 382
572	622	672	722	772	872
3	4	5	6	7	9

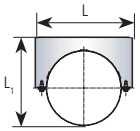
300	350	400	450	500	600
400	450	500	550	600	700
CMI 300 GEP 50	CMI 350 GEP 50	CMI 400 GEP 50	CMI 440 GEP 50	CMI 500 GEP 50	CMI 600 GEP 50
29 300 575	29 350 575	29 400 575	29 450 575	29 500 575	29 600 575
486	536	586	636	686	786
47,5	47,5	47,5	47,5	47,5	47,5
3	3	3	4	4	5



EXTENSION ARMS 50-200 MM

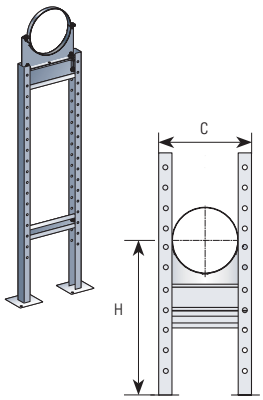
Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	RCM 20 150 GEP 50	RCM 20 200 GEP 50	RCM 20 250 GEP 50
Part No.	29 150 534	29 200 534	29 250 534
L [mm]	220	220	250
Weight [kg]	0,6	0,6	1,0





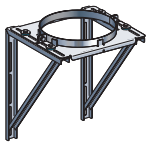
WALL / CEILING BRACKET

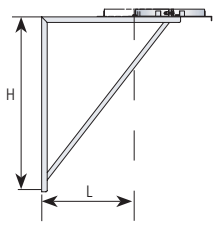
Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	CSC 150 GEP 50	CSC 200 GEP 50	CSC 250 GEP 50
Part No.	29 150 559	29 200 559	29 250 559
L [mm]	320	370	420
L_1 [mm]	303	353	403
Weight [kg]	1	1	2



FLOOR SUPPORT

Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	PSC 150 GEP 50	PSC 200 GEP 50	PSC 250 GEP 50
Part No.	29 150 515	29 200 515	29 250 515
H_{maxi} [mm]	1470	1495	1520
H_{mini} [mm]	355	405	457
C [mm]	320	370	420
Weight [kg]	12	12	13





WALL SUPPORT 50-200 MM

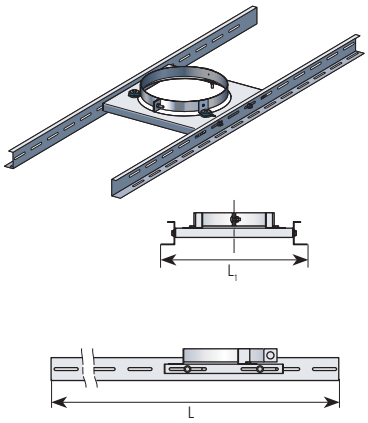
Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	SMI 150 GEP 50	SMI 200 GEP 50	SMI 250 GEP 50
Part No.	29 150 556	29 200 556	29 250 556
H [mm]	325	395	395
L [mm]	400	470	470
L_{min} /L_{max} [mm]	50 / 200	50 / 200	50 / 200
Weight [kg]	6	7	8

300	350	400	450	500	600
400	450	500	550	600	700
RCM 20 300 GEP 50	RCM 20 350 GEP 50	RCM 20 400 GEP 50	RCM 20 440 GEP 50	RCM 20 500 GEP 50	RCM 20 600 GEP 50
29 300 534	29 350 534	29 400 534	29 450 534	29 500 534	29 600 534
250	250	300	300	350	400
1,0	1,0	1,1	1,1	1,2	1,3

300	350	400	450	500	600
400	450	500	550	600	700
CSC 300 GEP 50	CSC 350 GEP 50	CSC 400 GEP 50	CSC 440 GEP 50	CSC 500 GEP 50	CSC 600 GEP 50
29 300 559	29 350 559	29 400 559	29 450 559	29 500 559	29 600 559
470	520	570	620	670	770
453	503	553	603	653	753
2	2	2	2	3	3

300	350	400	450	500	600
400	450	500	550	600	700
PSC 300 GEP 50	PSC 350 GEP 50	PSC 400 GEP 50	PSC 440 GEP 50	PSC 500 GEP 50	PSC 600 GEP 50
29 300 515	29 350 515	29 400 515	29 450 515	29 500 515	29 600 515
1545	1570	1595	1620	1645	1695
507	557	607	657	707	807
470	520	570	620	670	770
13	14	14	15	15	16

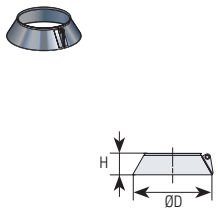
300	350	400	450	500	600
400	450	500	550	600	700
SMI 300 GEP 50	SMI 350 GEP 50	SMI 400 GEP 50	SMI 440 GEP 50	SMI 500 GEP 50	SMI 600 GEP 50
29 300 556	29 350 556	29 400 556	29 450 556	29 500 556	29 600 556
496	496	496	600	600	600
571	571	571	675	675	675
50 / 200	50 / 200	50 / 200	50 / 200	50 / 200	50 / 200
9	10	11	17	18	19



JOIST SUPPORT

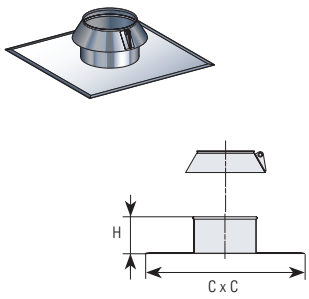
Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	SP 150 GEP 50	SP 200 GEP 50	SP 250 GEP 50
Part No.	29 150 581	29 200 581	29 250 581
L [mm]	1180	1180	1180
L_1 [mm]	405	455	505
Weight [kg]	3	3	4

FLASHINGS



COLLER

Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	COLLER 200 DU	COLLER 250 DU	COLLER 300 DU
Part No.	28 200 093	28 250 093	28 300 093
Ø D	405	455	505
H [mm]	100	120	120
Weight [kg]	0,4	0,7	0,8



STAINLESS STEEL FLAT FLASHING 0°-5°

Inner Ø	150	200	250
Outer Ø Therm+ GEP 50	250	300	350
Ref.	SIO 200 DU	SIO 250 DU	SIO 300 DU
Part No.	28 200 079	28 250 079	28 300 079
C x C	570	570	640
H [mm]	245	245	245
Weight [kg]	3	3	4

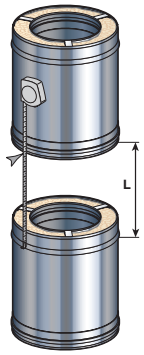
300	350	400	450	500	600
400	450	500	550	600	700
SP 300 GEP 50	SP 350 GEP 50	SP 400 GEP 50	SP 440 GEP 50	SP 500 GEP 50	SP 600 GEP 50
29 300 581	29 350 581	29 400 581	29 450 581	29 500 581	29 600 581
1180	1180	1180	1180	1180	1180
605	655	705	755	805	905
5	5	6	6	6	7

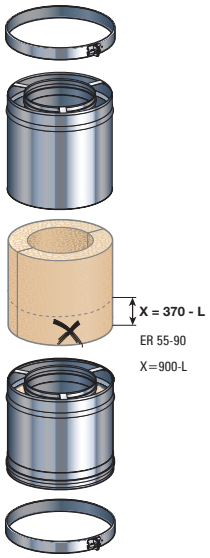
300	350	400	450	500	600
400	450	500	550	600	700
COLLER 350 DU	COLLER 400 DU	COLLER 450 DU	COLLER 500 DU	COLLER 550 DU	COLLER 600 DU
28 350 093	28 400 093	28 450 093	28 500 093	28 550 093	28 600 093
555	605	655	705	755	855
120	120	120	140	140	140
0,8	1	1,2	1,4	1,6	1,8

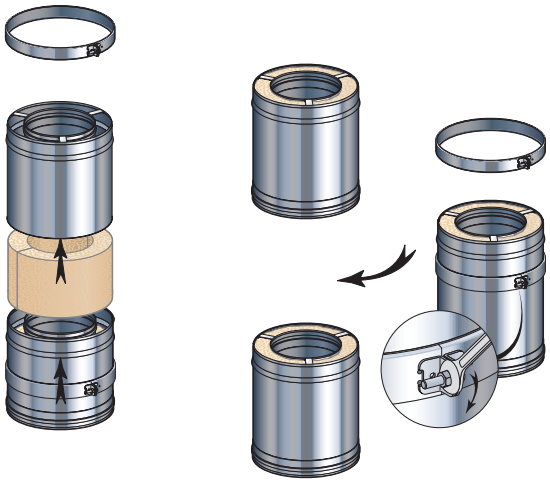
300	350	400	450	500	600
400	450	500	550	600	700
SIO 350 DU	SIO 400 DU	SIO 450 DU	SIO 500 DU	SIO 550 DU	SIO 600 DU
28 350 079	28 400 079	28 450 079	28 500 079	28 550 079	28 600 079
680	700	750	800	800	850
245	245	245	245	245	245
4	5	5	6	7	8

INSTALLATION OF COMPONENTS

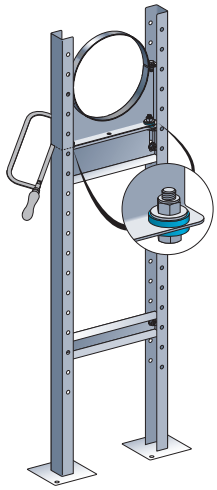
ADJUSTABLE LENGTH

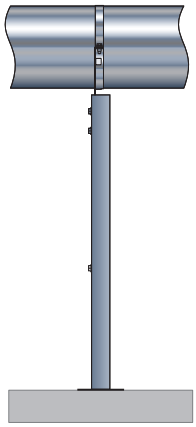




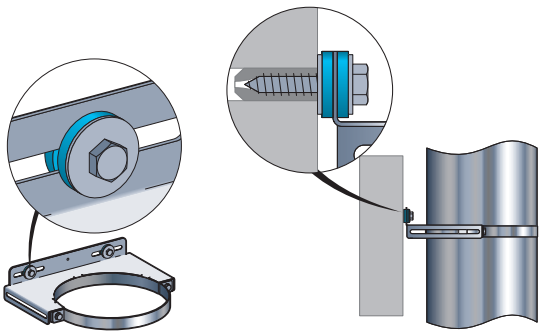


FLOOR SUPPORT

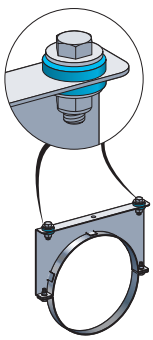


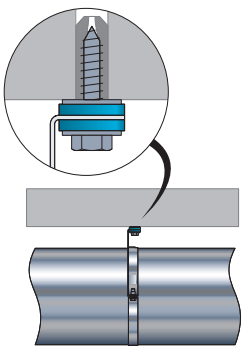


WALL BRACKET

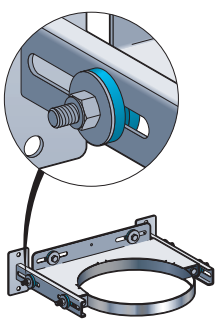


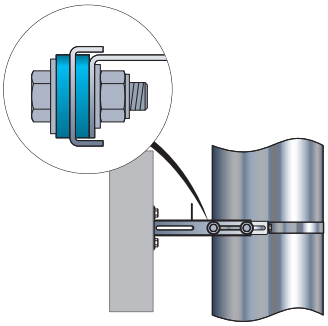
CEILING BRACKET



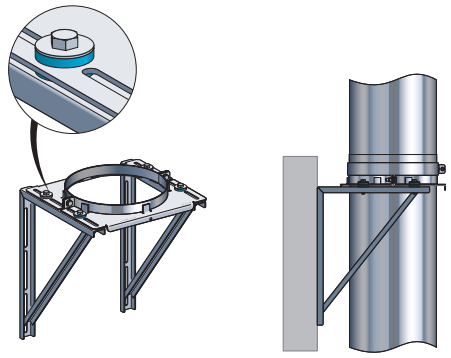


EXTENSION ARMS

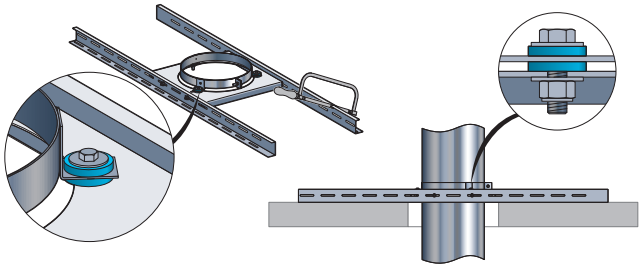




WALL SUPPORT



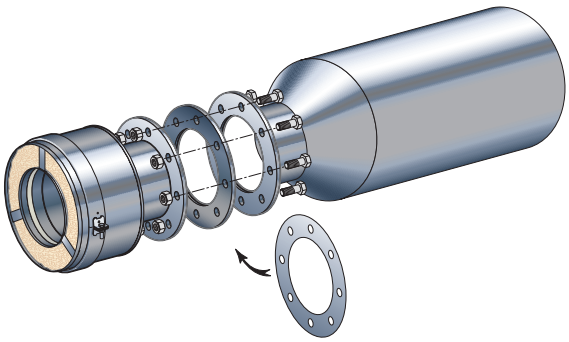
JOIST SUPPORT

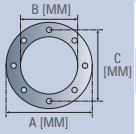


ADAPTOR WITH FLANGE

The adaptor with flange is used to connect the Therm+GEP system to an appliance or component with a flanged outlet. This component is made to measure and requires details and dimensions of the holes and their positions when the adaptor is ordered.

The drawing illustrates the assembly method and shows the dimensions required. Nuts and bolts are not provided and should be ordered separately.



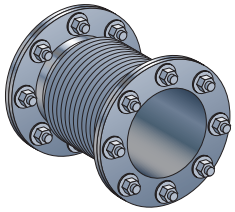
REQUIRED DIMENSION		
	A	… [mm]
	B	… [mm]
	C	… [mm]
	No. of holes	…
	Size holes	…

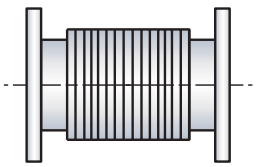
When ordering a flange you need to specify the number of and diameter of the holes required. They are located on a 'PCD'

EXPANSION BELLOWS

Expansion bellows will be required to counteract vibrational movement and help eliminate turbulence and flow effects. Used anywhere in a system for axial and vibrational movement. This component will not accommodate any lateral movement or lateral offsets and parallel misalignment should be avoided. Care must be taken not to pre-stress or compress the component during the installation. The anticipated life span of a set of bellows is approximately 10,000 cycles.

This unlined expansion bellows can be used to counteract axial and vibrational movement. Care must be taken not to pre-stress or compress the component during its installation. The anticipated life span of a set of bellows is approximately 10,000 cycles.





SPECIFIC DIMENSIONS

MAXIMUM DISTANCE BETWEEN TWO ELBOWS OR TWO TEES

D max.: Maximum distance between two elbows without suspension collar (in metres).
Y max.: Maximum number of lengths between two elbows. If larger than D max., add a support (CMI, CSC, etc.) every Y lengths.

THERM+ GEP 50									
Ø	150	200	250	300	350	400	450	500	600
D max.	3	3	3	3	3	3	3	3	3
Y max.	3	3	3	3	3	3	3	3	3

THERM+ GEP 100							
Ø	150	200	250	300	350	400	450
D max.	3	3	3	3	3	3	3
Y max.	3	3	3	3	3	3	3

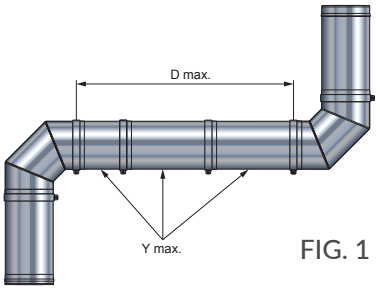


FIG. 1

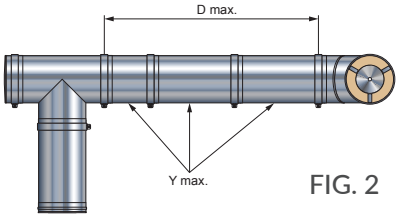


FIG. 2

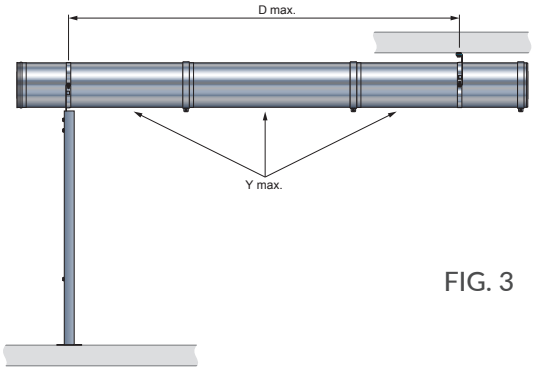


FIG. 3

FREE STANDING HEIGHT(H IN METRE S)

Y max : Maximum number of lengths above the last support

THERM+ GEP 50									
Ø	150	200	250	300	350	400	450	500	600
H_1 max.	3	3	3	3	3	3	3	3	3
Y max.	3	3	3	3	3	3	3	3	3

THERM+ GEP 100							
Ø	150	200	250	300	350	400	450
H_1 max.	3	3	3	3	3	3	3
Y max.	3	3	3	3	3	3	3

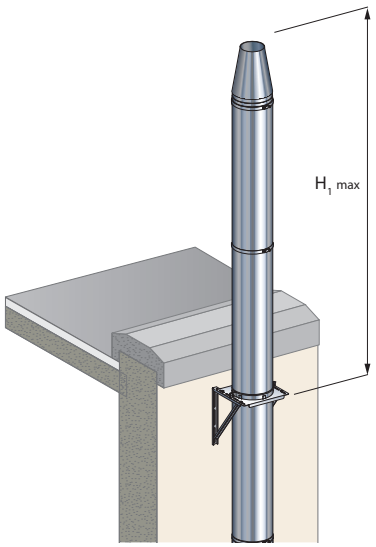


FIG. 4

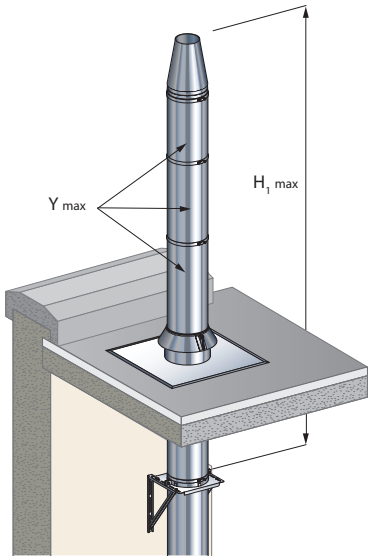
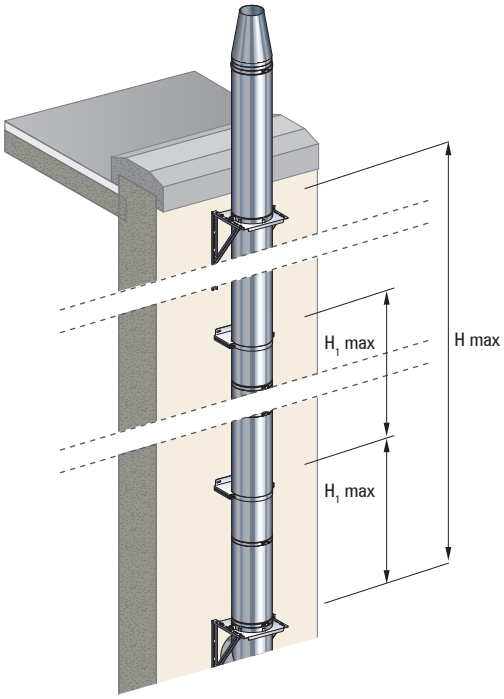


FIG. 5

COMPRESSIVE STRENGTH (IN METRES)



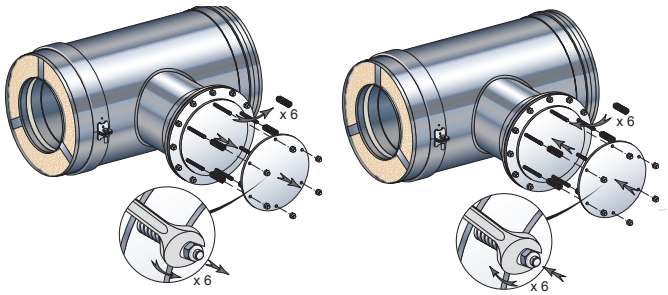
THERM+ GEP 50									
Ø	150	200	250	300	350	400	450	500	600
H max.	12	12	12	12	12	12	12	12	12
H_1 max.	4	4	4	4	4	4	4	4	4

THERM+ GEP 100							
Ø	150	200	250	300	350	400	450
H max.	8	8	8	8	8	8	8
H_1 max.	4	4	4	4	4	4	4

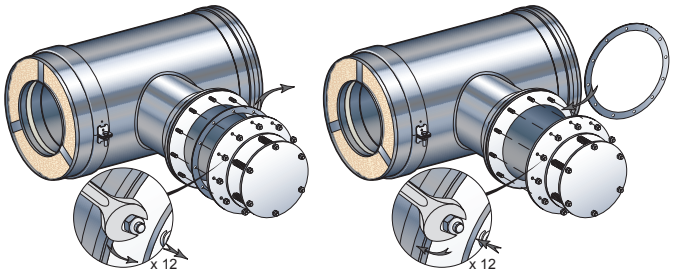
MAINTENANCE

We advise that the springs and seals of the TECV and TEAE are changed as part of the yearly maintenance.
(Kit réf.KIT MAINT GEP, article code: 29000002)

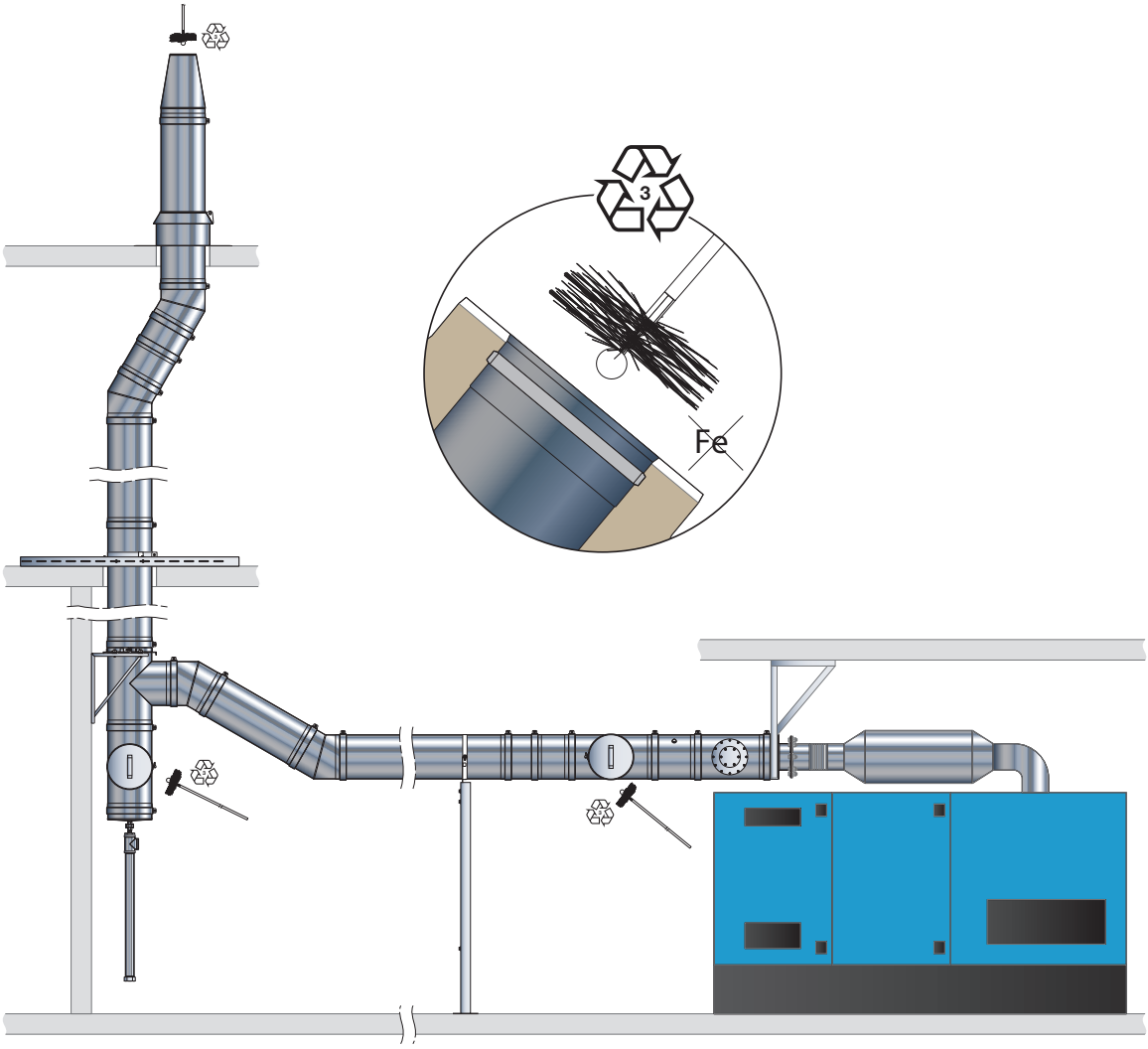
CHANGING SPRING



CHANGING THE SEAL



MAINTENANCE



NOTES

The information contained in this catalogue corresponds to the current state at the time of going to press. The most up-to-date information is always contained in the current price catalogue, which is available on our website or from your Technical Advisor. We reserve the right to make mistakes and printing errors.

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