

PRIMA PLUS

80-300mm Diameter Range
Single Wall Stainless Steel Flue Systems
for Gas, Oil, Wood and Solid Fuel



Application

Prima Plus is a high quality 316L stainless steel single wall flue system with a standard wall thickness of 0.6mm. There are three possible applications:

1. Connecting Flue Pipe

Prima Plus may be used as the connecting flue pipe between an appliance and the main chimney system.

2. Chimney Liner

Prima Plus may be used as an alternative to flexible stainless steel liners in order to re-line an existing chimney.

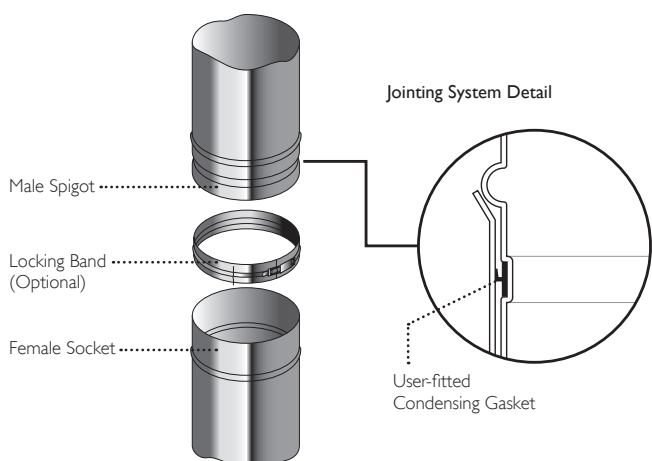
3. System Chimney

Prima Plus may be used as a system chimney internally, if installed inside a suitable shaft or externally on runs of up to 3m.

Prima Plus is designed for use on solid fuel, gas and oil burning appliances with continuous operating temperatures of up to 600°C. With the addition of a lip seal gasket to the joint, Prima Plus may be adapted for use on condensing gas and oil appliances with positive pressure of up to 200Pa and continuous operating temperatures of up to 200°C.

For larger commercial and industrial applications of Prima Plus in diameters 350-700mm, please refer to our separate Non Residential brochure, which may be downloaded from the website.

Product Description



PRODUCT FEATURES

- 316L matt finish Stainless Steel
- Fully corrosion tested
- Precision engineered jointing system
- Capillary break on the male joint
- Simple conversion for condensing applications with lip seal
- Range Ø80 - 300mm

Approvals



Prima Plus is CE Certified for the following applications:-

Connecting Flue Pipe - EN1856-2 TÜV 0036 CPD 9195 017

Chimney Liner - EN1856-2 TÜV 0036 CPD 9195 019

System Chimney - EN1856-1 TÜV 0036 CPD 9195 018

CE Designations are as follows:-

	High Temperature Applications	Low Temperature Applications
Connecting Flue Pipe	T600 NI WV2 L50060 G400 M*	T200 PI WV2 L50060 O200 M* T200 NI WV2 L50060 O200 M*
Chimney Liner	T600 NI WV2 L50060 G	T200 PI WV2 L50060 O
System Chimney	T450 NI WV2 L50060 G50** T450 NI DV2 L50060 G50***	T200 PI WV2 L50060 O200

* M stands for measured distance to combustibles on a connecting flue pipe application in the range of diameters Ø150-Ø200
For other diameters in the range the following distances should be used:
Ø80-125 = 375mm
Ø130 = 390mm

** Used internally inside a non combustible shaft
*** Insulated and used internally inside a suitable enclosure

The Prima Plus range is manufactured under the strict requirements of BS EN ISO 9001 Quality management scheme. Prima Plus has corrosion certification from Gastec, MPA and TÜV. Prima Plus is listed by HETAS as a product suitable for solid fuel.

Technical Detail

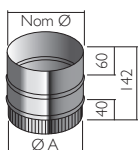
	Prima Plus	Prima Plus with Lip Seal
Fuel	Gas, Oil, Wood, Solid Fuel	Gas, Oil
Continuous Firing (Connecting Flue Pipe & Chimney Liner)	600°C (T600)	200°C (T200)
Continuous Firing (System Chimney)	450°C (T450)	200°C (T200)
Soot Fire Resistance	Yes (G)	No (O)
Mode of Operation	NI	PI
Pressure Rating	40Pa	200Pa
Wall Thickness	0.6mm	
Material	316L : 1.4404 : X2CrNiMo 17-12-2	

Diameters

The diameters of the flue are:

Int Ømm	80	100	130	150	180	200	230	250	300
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Starting Components

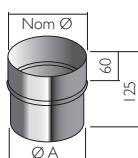


Appliance Connector

S013

Nom Ømm	80	100	130	150	180	200	230	250	300
SAP Code	124577	124723	125474	125856	126591	127167	127745	128173	128679

'A' is 6mm less than nom

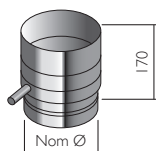


Condensing/Imperial Appliance Connector

SA05

Nom Ømm	80	100	130	150	180	200	230	250	300
A	-	-	125	-	175	-	-	-	-
SAP Code	-	-	COA	-	COA	-	-	-	-

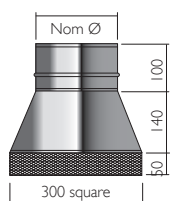
Smooth wall to fit inside spigot of condensing boilers which normally incorporate their own integral lip seal.



Vertical Drain

S394

Nom Ømm	80	100	130	150	180	200	230	250	300
SAP Code	106299	115984	106303	106305	106307	106308	106309	106310	106311



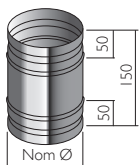
Gather Unit

S307

Nom Ømm	80	100	130	150	180	200	230	250	300
SAP Code	-	-	-	-	126581	127160	-	-	-

Used when lining a masonry chimney to seal to the fireplace throat.

Adaptors/Increasers

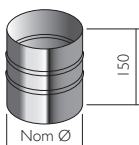


Double Male Adaptor

S331

Nom Ømm	80	100	130	150	180	200	230	250	300
SAP Code	130583	124892	125684	126273	126962	127570	128031	128480	128976

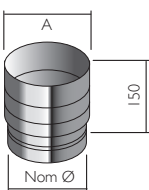
50mm effective length



Double Female Adaptor

S325

Nom Ømm	80	100	130	150	180	200	230	250	300
SAP Code	124614	COA	COA	126272	COA	127569	COA	COA	128975

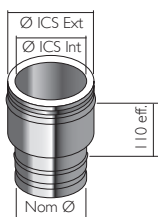


Increaser

S091 + Nom Ø + A

Nom Ømm	80	100	130	150	180	200	230	250	300
A	100	130	150	180	200	230	250	300	-
SAP Code	101779	101785	101796	101800	101804	101807	101810	101811	-

Standard is to increase to the next diameter; however any other diameter can be ordered specially.

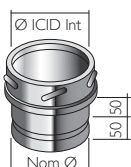


Adaptor to ICS

S068 + Nom Ø + ICS Int Ø

Prima P Ømm	80	100	130	150	180	200	230	250	300
ICS Int Ømm	80	100	130	150	180	200	230	250	300
ICS Ext Ømm	130	150	180	200	230	250	280	300	350
SAP Code	101176	101177	101178	101179	101180	101181	101360	101182	101183

Other diameter combinations available on request.

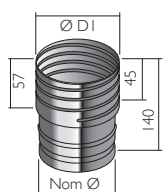


Adaptor to Eco ICID

S027 + Nom Ø + Int Ø

Prima P Ømm	80	100	130	150	180	200	230	250	300
Eco ICID Int Ømm	-	-	125	150	180	200	-	-	-
SAP Code	-	-	125688	126278	126967	127575	-	-	-

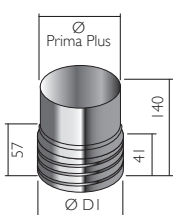
Other diameter combinations available on request.



Screw Fit Adaptor Prima Plus to Tecnoflex Plus

S0E3 + Nom Ø + Int Ø

Prima P Ømm	80	100	130	150	150	180	200	230	250	300
Flex Int Ømm	80	100	125	150	155	180	200	230	250	300
DI Ømm	89	109	134	159	164	189	209	239	259	309
SAP Code	COA	COA	110053	106897	110189	106899	106900	COA	106902	106903



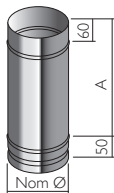
Screw Fit Adaptor Tecnoflex Plus to Prima Plus

4040 + Nom Ø + Int Ø

DI Ømm	89	109	134	159	164	189	209	239	259	309
Flex Int Ømm	80	100	125	150	155	180	200	230	250	300
Prima P Ømm	80	100	130	150	150	180	200	230	250	300
SAP Code	COA	COA	110052	106910	110188	106912	106913	COA	COA	COA

COA : Code on application

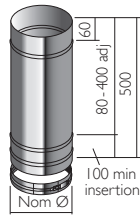
Pipes



Effective Length

A 950 450 200
S001 S002 S003

Nom Ømm	80	100	130	150	180	200	230	250	300
SAP Code 950	106221	106222	106225	106227	106229	106230	106231	106232	106233
SAP Code 450	106207	106208	106211	106213	106215	106216	106217	106218	106219
SAP Code 200	106193	106194	106197	106199	106201	106202	106203	106204	106205

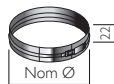


Adjustable Pipe

S085

Nom Ømm	80	100	130	150	180	200	230	250	300
SAP Code	106285	106286	106289	106291	106293	106294	106295	106296	106297

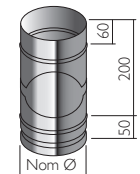
Slides inside pipe below. Complete with locking band. For condensing situations fit gasket S000 in the two grooves provided. This component is not load bearing.



Locking Band

S030

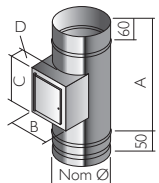
Nom Ømm	80	100	130	150	180	200	230	250	300
SAP Code	900002246	900002247	900002250	900002252	900002254	900002255	900002256	900002257	900002258



Inspection Pipe Condensing

S004

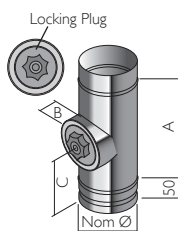
Nom Ømm	80	100	130	150	180	200	230	250	300
SAP Code	COA	COA	COA	106553	COA	COA	COA	COA	COA



Inspection Tee Non Condensing

S010

Nom Ømm	80	100	130	150	180	200	230	250	300
A	-	-	282	282	282	282	401	401	401
B	-	-	114	114	114	114	202	202	202
C	-	-	173	173	173	173	292	292	292
D	-	-	30	30	30	30	30	30	30
SAP Code	-	-	125477	111964	COA	COA	COA	COA	COA

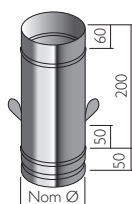


Inspection Tee

Tee S075 High Temp Plug S674 High Temp Plug S0B4

Nom Ømm	80	100	130	150	180	200	230	250	300
A	195	215	245	265	295	315	355	365	415
B	10	10	10	10	10	10	30	30	30
C	120	130	145	165	170	180	195	205	230
SAP Code Tee	COA	106539	COA	COA	COA	COA	COA	COA	COA
SAP Code L.T. Plug	COA	COA	COA	COA	COA	COA	COA	COA	COA
SAP Code H.T. Plug	-	-	COA	COA	COA	COA	COA	COA	COA

Order Tee and Plug separately.



Lowering Pipe

S333

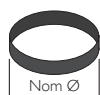
Nom Ømm	80	100	130	150	180	200	230	250	300
SAP Code	106179	106180	106183	106185	106187	106188	106189	106190	106191

Used as the first pipe when lowering a liner into a masonry stack.

COA : Code on application

Gasket (to convert Prima Plus to Prima Plus Condensing)

Fits into the groove form on all male spigots and into grooves on adjustable pipes.



Silicon Gasket

S000 + Nom Ø

Nom Ømm	80	100	130	150	180	200	230	250	300
SAP Code	124582	120423	120421	120419	126611	127185	127750	119581	128693

For use on condensing gas applications with a pressure rating of up to 200Pa.



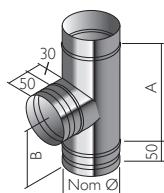
Viton Gasket

V000 + Nom Ø

Nom Ømm	80	100	130	150	180	200	230	250	300
SAP Code	124618	124919	125721	119577	119575	127653	128059	128521	129009

For use on condensing gas and oil applications with a pressure rating of up to 200Pa.

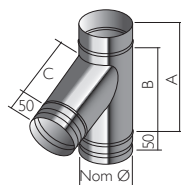
Tees



90° Tee

S014

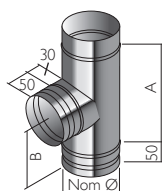
Nom Ømm	80	100	130	150	180	200	230	250	300
A	195	215	245	265	295	315	345	365	415
B	120	130	145	155	170	180	195	205	230
SAP Code	106496	106497	106500	106502	106504	106505	106506	106507	106508



135° Tee

S016

Nom Ømm	80	100	130	150	180	200	230	250	300
A	223	251	294	322	365	393	435	464	534
B	127	151	188	212	248	272	308	332	393
C	127	151	188	212	248	272	308	332	393
SAP Code	106478	106479	106482	106484	106486	106487	106488	106489	106490



93° Tee

S0E8

Nom Ømm	80	100	130	150	180	200	230	250	300
A	195	215	245	265	295	315	-	365	415
B	120	130	145	155	170	180	-	205	230
SAP Code	130584	124904	125699	126311	127003	127606	-	128494	128986

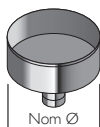
Used to create 3° slope on runs to assist drainage of condensate.



Tee Plug

S017

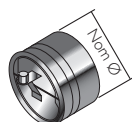
Nom Ømm	80	100	130	150	180	200	230	250	300
SAP Code	106594	106595	106598	106600	106602	106603	106604	106605	106606



Tee Plug with Drain

S619

Nom Ømm	80	100	130	150	180	200	230	250	300
SAP Code	124580	124734	125481	109780	109779	109791	109792	109787	109790

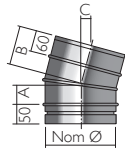


Draught Stabiliser

S078

Nom Ømm	80	100	130	150	180	200	230	250	300
SAP Code	-	-	125464	125845	126578	127157	127737	128163	128669

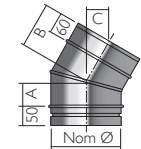
Bends



15° Bend

S018

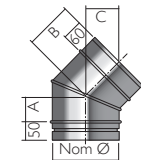
Nom Ømm	80	100	130	150	180	200	230	250	300
A	30	32	34	35	37	38	40	41	45
B	85	87	89	90	92	93	95	96	100
C	22	22	23	23	24	24	25	25	26
SAP Code	106327	106328	106331	106333	106335	106336	106337	106338	106339



30° Bend

S070

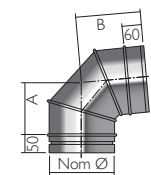
Nom Ømm	80	100	130	150	180	200	230	250	300
A	36	38	42	45	49	52	56	58	65
B	91	93	97	100	104	107	111	113	120
C	45	47	49	50	52	53	55	57	60
SAP Code	106341	106342	106345	106347	106349	106350	106351	106352	106353



45° Bend

S015

Nom Ømm	80	100	130	150	180	200	230	250	300
A	52	56	52	56	62	66	73	77	87
B	107	111	107	111	117	121	128	132	142
C	75	78	75	78	83	86	90	93	100
SAP Code	106368	106369	106372	106374	106376	106377	106378	106379	106380

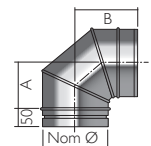


87° Fixed Bend

S0E9

Nom Ømm	80	100	130	150	180	200	230	250	300
A	88	97	115	126	126	135	150	159	181
B	143	152	166	176	177	186	199	208	232
SAP Code	124576	124718	125472	125854	126589	127165	127743	128170	128676

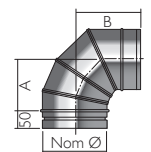
Used to create 3° slope for condensing runs.



90° Fixed Bend

S051

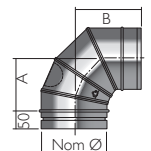
Nom Ømm	80	100	130	150	180	200	230	250	300
A	92	102	104	114	129	139	154	164	189
B	147	157	159	169	184	194	209	219	244
SAP Code	106437	106438	106441	106443	106445	106446	106447	106448	106449



0 - 90° Adjustable Bend Non Condensing

S005

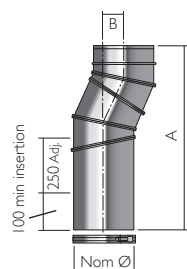
Nom Ømm	80	100	130	150	180	200	230	250	300
A	-	164	143	142	158	176	191	200	232
B	-	189	180	184	199	216	231	240	275
SAP Code	-	106425	106428	106430	106432	106433	106434	106435	106436



0 - 90° Adjustable Inspection Bend

S028

Nom Ømm	80	100	130	150	180	200	230	250	300
A	177	177	143	142	158	176	191	200	289
B	205	205	180	184	199	216	231	240	246
SAP Code	123456789	123456789	123456789	123456789	123456789	123456789	123456789	123456789	123456789



0 - 90° Adjustable Bend Extendable

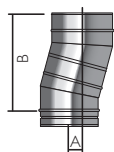
S084

Nom Ømm	80	100	130	150	180	200	230	250	300
A	-	-	595	595	636	636	680	680	680
B	-	-	52	54	54	54	63	63	63
SAP Code	-	-	COA	COA	COA	127611	COA	COA	COA

Tail slides inside pipe below. Secure with locking band provided. Not load Bearing.

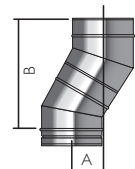
COA : Code on application

Offsets (made by assembling 2 bends)



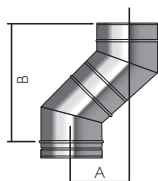
15° Offset

Nom Ømm	80	100	130	150	180	200	230	250	300
A	29	29	30	31	32	33	34	34	36
B	218	222	230	236	244	248	256	261	273



30° Offset

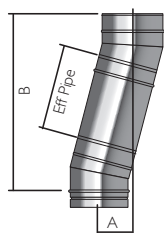
Nom Ømm	80	100	130	150	180	200	230	250	300
A	60	64	68	70	74	77	81	84	90
B	226	237	252	261	276	287	302	312	336



45° Offset

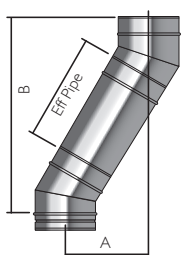
Nom Ømm	80	100	130	150	180	200	230	250	300
A	110	116	139	139	153	160	168	168	182
B	266	280	335	335	369	386	406	406	440

Typical Offsets (made by assembling 2 bends and a standard pipe section)



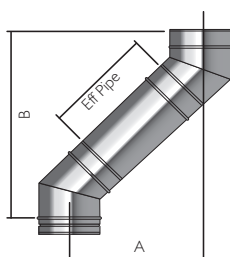
15° Offset with standard Pipe lengths

	Nom Ømm	80	100	130	150	180	200	230	250	300
Effective Pipe 950	A	275	275	276	277	278	278	280	280	282
	B	1136	1140	1148	1154	1161	1165	1173	1179	1191
Effective Pipe 450	A	145	146	147	148	149	149	150	151	152
	B	653	657	665	671	678	682	690	696	708
Effective Pipe 200	A	80	81	82	83	84	84	85	86	88
	B	411	415	423	429	437	441	449	455	466



30° Offset with standard Pipe lengths

	Nom Ømm	80	100	130	150	180	200	230	250	300
Effective Pipe 950	A	536	538	542	545	549	552	556	558	565
	B	1049	1060	1075	1084	1099	1110	1125	1134	1159
Effective Pipe 450	A	286	288	292	295	299	302	306	308	315
	B	616	627	642	651	666	677	692	701	726
Effective Pipe 200	A	160	164	168	170	174	177	181	184	190
	B	399	410	425	434	449	461	476	485	509

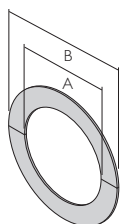


45° Offset with standard Pipe lengths

	Nom Ømm	80	100	130	150	180	200	230	250	300
Effective Pipe 950	A	782	788	810	810	824	832	840	840	854
	B	938	952	1006	1006	1040	1058	1078	1078	1112
Effective Pipe 450	A	429	434	457	457	471	478	486	486	501
	B	585	598	653	653	687	704	724	724	759
Effective Pipe 200	A	252	257	280	280	294	301	310	310	324
	B	408	421	476	476	510	527	548	548	582

Offsets for 135° Tee and 45° Bend

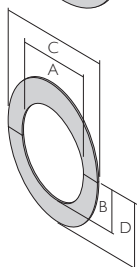
Trim Collars



2 Piece Trim Collar 90°

9599P0

Nom Ømm	80	100	130	150	180	200	230	250	300
A	-	-	134	154	184	204	234	254	304
B	-	-	280	300	330	350	380	400	450
SAP Code	-	-	125719	126338	127040	127644	128057	128512	129007

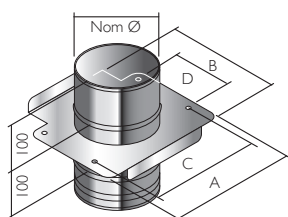


2 Piece Trim Collar 45°

9579P0

Nom Ømm	80	100	130	150	180	200	230	250	300
A	-	-	134	154	184	204	234	254	304
B	-	-	94	108	130	144	165	179	214
C	-	-	280	300	330	350	380	400	450
D	-	-	192	206	227	242	263	277	312
SAP Code	-	-	125717	126335	127035	127639	128055	128510	129004

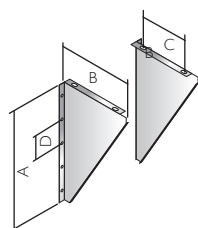
Support Components



Wall Support Adjustable Top Plate

S0F1

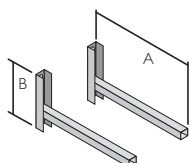
Nom Ømm	80	100	130	150	180	200	230	250	300
A	176	196	226	246	276	296	326	346	396
B	145	165	195	215	245	265	295	315	365
C	140	160	190	210	240	260	290	310	360
D	60	80	110	130	160	180	210	230	280
SAP Code	130585	124907	125703	126318	127009	127613	128040	128497	128989



Wall Support Side Plates

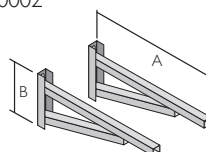
S0F5

Nom Ømm	80	100	130	150	180	200	230	250	300
A	470	470	470	470	470	470	470	470	470
B	160	180	210	230	260	280	310	330	380
C	60	80	110	130	160	180	210	230	280
D	100	100	100	100	100	100	100	100	100
SAP Code	130586	124909	125704	126319	127011	127615	128041	128499	128992



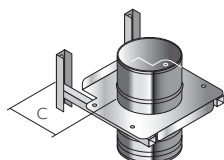
Cantilever Support Type 325 - 95420001
Type 475 - 95420002

Type	325	475
Ø Range	125-150	125-200
A	325	475
B	242	242
SAP Code	101742	101743



Cantilever Support Type 570 - 95420003

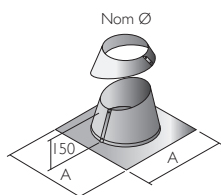
Type	570
Ø Range	125-200
A	570
B	330
SAP Code	101744



Cantilever Support Adjustment Dimension Table

Nom Ømm	80	100	130	150	180	200	230	250	300
C maximum									
Type 325	170	140	95	65	-	-	-	-	-
Type 475	320	290	245	215	170	140	95	65	-
Type 570	415	385	340	310	265	235	190	160	85
C minimum									
Type 325	60	60	60	60	60	60	60	60	60
Type 475	60	60	60	60	60	60	60	60	60
Type 570	60	60	60	60	60	60	60	60	60

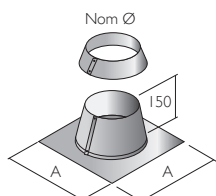
Flashings



Flashing Kit 5° - 45°

95510

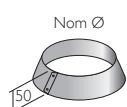
Nom Ømm	80	100	130	150	180	200	230	250	300
A	610	610	610	610	610	700	700	700	800
SAP Code	130509	124737	125487	125889	126621	127197	127753	128195	120884



Flat Flashing Kit

95530

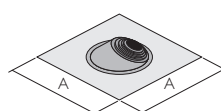
Nom Ømm	80	100	130	150	180	200	230	250	300
A	610	610	610	610	610	610	610	610	610
SAP Code	130510	124740	125490	125892	126625	127201	127756	128192	128699



Storm Collar

95560

Nom Ømm	80	100	130	150	180	200	230	250	300
SAP Code	106132	106133	106136	106138	106140	106141	106142	106143	106144

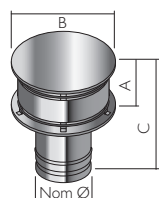


Uniflash

Product Code	94540001	94540002	94540003
Ext Ømm	80 - 100	150 - 300	250 - 450
A	500	685	800
SAP Code	112198	112197	114341

Universal EPDM rubber/aluminium flashing. Just pull the required diameter tab on the rubber seal.

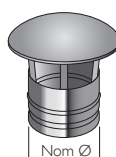
Terminals



Anti-Splash Anti-Downdraught Terminal (Gastec Approved)

with mesh S0E1
without mesh S0D6

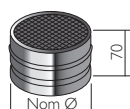
Nom Ømm	80	100	130	150	180	200	230	250	300
A	95	95	130	175	200	200	250	275	330
B	200	200	254	304	359	409	459	509	609
C	295	295	330	375	400	400	475	475	530
SAP Code with mesh	124616	111770	113042	114711	119690	116317	119689	119688	119687
SAP Code w/out mesh	COA	COA	COA	COA	COA	COA	COA	COA	COA



Raincap

with mesh S336
without mesh S036

Nom Ømm	80	100	130	150	180	200	230	250	300
SAP Code with mesh	124579	124733	125479	125864	126595	127174	127748	128177	128683
SAP Code w/out mesh	110597	110652	110706	110761	111525	111556	111684	111722	111864

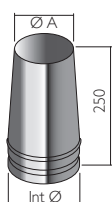


Open Terminal (with mesh)

S387

Nom Ømm	80	100	130	150	180	200	230	250	300
SAP Code	130641	109853	109970	110020	110166	110217	128033	110477	128978

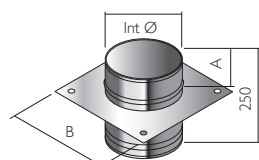
Recommended by British Gas for condensing boiler applications.



Tapered Terminal

S337

Nom Ømm	80	100	130	150	180	200	230	250	300
A	70	90	120	140	170	190	220	240	290
SAP Code	119685	110291	125480	110730	110987	111179	127749	111571	112028

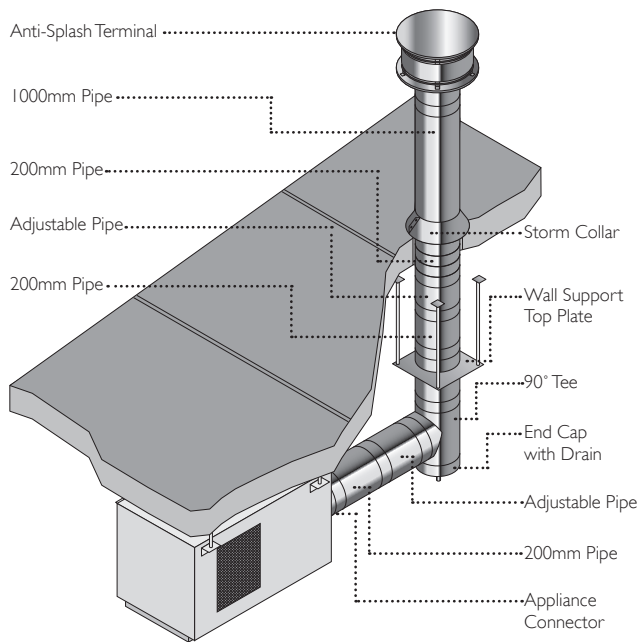


Expansion Joint

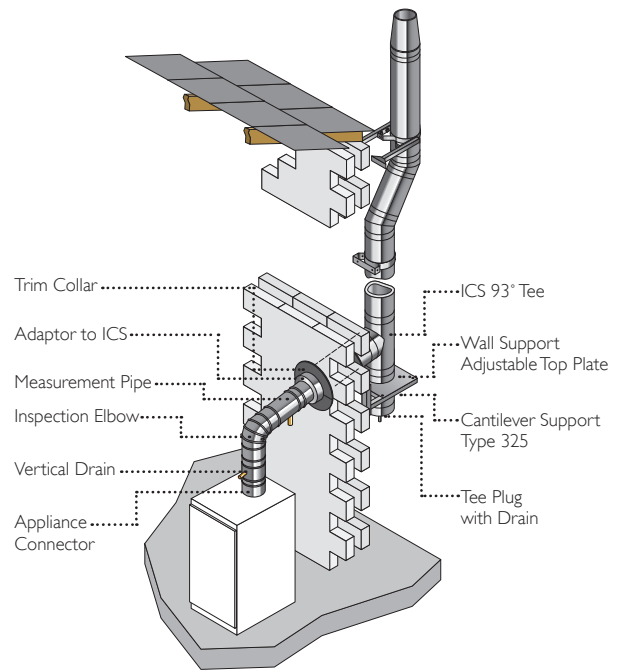
S031

Int Ømm	80	100	130	150	180	200	230	250	300
A	80	80	80	80	80	80	80	80	80
B	400	400	400	400	400	400	400	400	400
SAP Code	130507	124726	125475	125857	126592	127168	127746	128174	128680

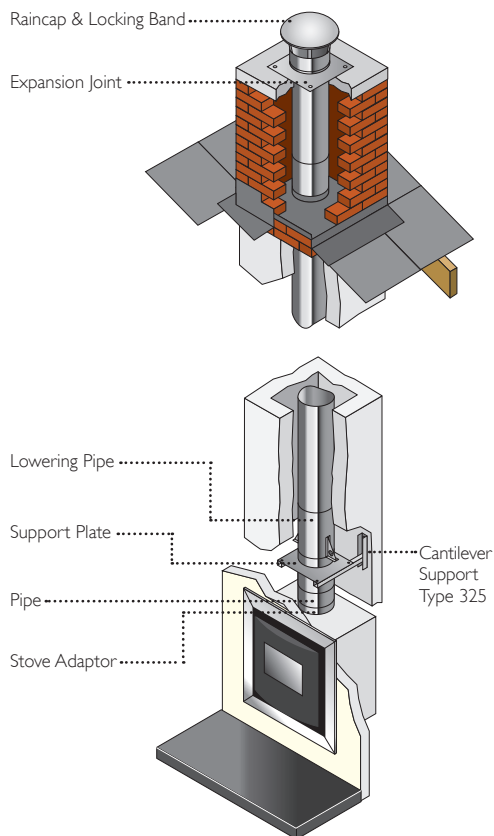
Typical Installations



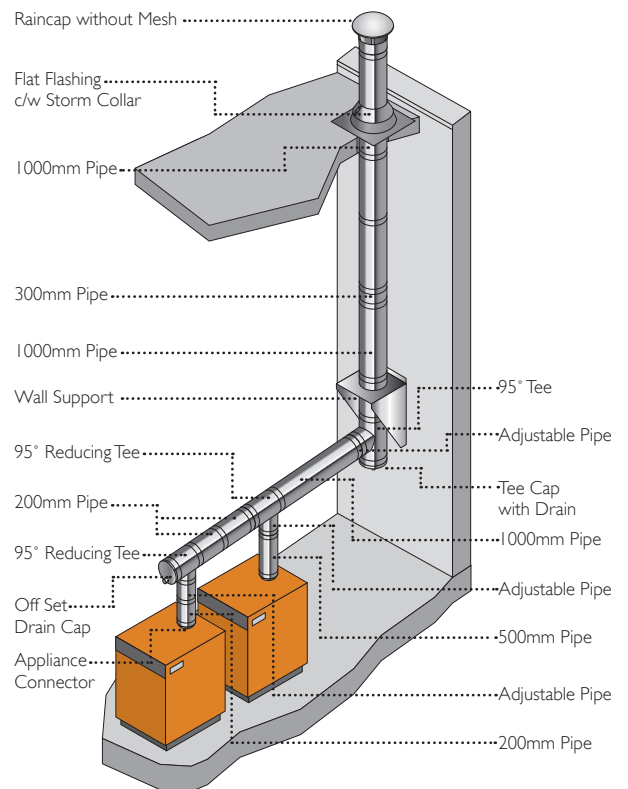
SYSTEM CHIMNEY
ON INDUSTRIAL SPACE HEATER



CONNECTING FLUE PIPE
ON CONDENSING BOILER



CHIMNEY LINER
ON INSET FIRE



CONNECTING FLUE PIPE & SYSTEM CHIMNEY
ON COMMERCIAL CASCADE SYSTEM WITH
CONDENSING APPLIANCES

Complementary products and services from Schiedel Chimney Systems



ECO ICID

The NEW highly Insulated Twin Wall System Chimney for stoves.

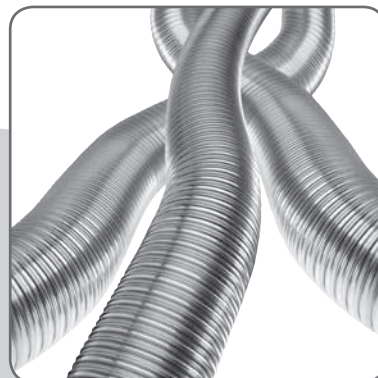
- Easy twist lock connection
- Effective insulation
- 125-150mm Internal diameter range



PRIMA SMOOTH

Single Wall Stainless Steel Connecting Flue Pipe for use on wood and multi-fuel applications.

- 316L Grade stainless steel
- Available in matt black or steel finish
- Excellent aesthetics
- Lightweight
- 125-150mm internal diameters



TECNOFLEX PLUS

For relining existing chimneys to take gas, oil, wood, multi-fuel appliances and open fires.

- Twin skin TecnoFlex Plus available in 316L or 904L options for oil, wood, multi-fuel & open fires
- 80-300mm Diameter range



ICS

Twin Wall Insulated System Chimney for gas, oil and multi-fuel applications.

- Simple push-fit jointing system
- High efficiency Superwool insulation blanket
- Capillary break prevents moisture being drawn through the joint
- 80-700mm Diameter range



ABSOLUT

Absolut is part of the Schiedel Ceramic range of System Chimneys designed for Energy Efficient Homes.



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