

BOMAT PROFITHERM UP TO 160 kW COMBUSTION OUTPUT

Heat exchangers for flue gas heat recovery, for boilers with pressure-jet gas or oil burners (other applications on request). For water-side integration into dual circuit system or boiler return.



01-GG-0314-NT-4-K-3 ▲

01-GG-0524-NT-4-K-3 ▲

01-GG-1024-NT-4-K-3 ▲

▲ 01-GG-0514-NT-4-K-3

Illustration contains optional special paint and labelling

Profitherm			Product number
01-GG-0314-NT-4-K-3	up to 22 kW* combustion output	Flue gas inlet: Dint 130 Flue gas outlet: DN 80 coupling	94 510 00
01-GG-0514-NT-4-K-3**	up to 45 kW* combustion output	Flue gas inlet: Dint 150 Flue gas outlet: DN 125 coupling	94 709 00
01-GG-0514-NT-4-K-3**	up to 45 kW* combustion output	Flue gas inlet: Dint 130 Flue gas outlet: DN 125 coupling	94 710 00
01-GG-0524-NT-4-K-3**	up to 60 kW* combustion output	Flue gas inlet: Dint 150 Flue gas outlet: DN 125 coupling	94 708 00
01-GG-0524-NT-4-K-3**	up to 60 kW* combustion output	Flue gas inlet: Dint 130 Flue gas outlet: DN 125 coupling	94 725 00
01-GG-1024-NT-4-K-3	up to 160 kW* combustion output Upright brackets are included for freestanding installation.	Flue gas inlet: Dint 180 Flue gas outlet: DN 160 coupling	94 711 00

FEATURES

- Ceramic heat exchanger
- Height-adjustable feet
- Condensate drain
- Insulation
- White coated sheet steel casing
- Flue gas outlet with coupling
- AWR safety unit with 120°C safety temperature limiter for flue pipe and 80°C thermostat for heating water
- Cleaning apertures at flue gas connector and heat exchanger

ACCESSORIES

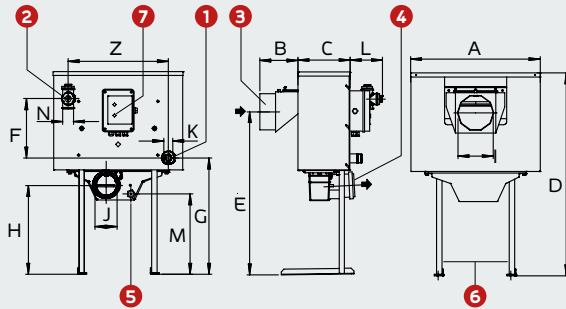
→ see page 36

* Design basis: 160°C flue gas inlet temperature, 40°C average coolant temperature, Lambda 1.2.
To optimise energy savings the water inlet temperature should be in the 30–40°C range under operating conditions.

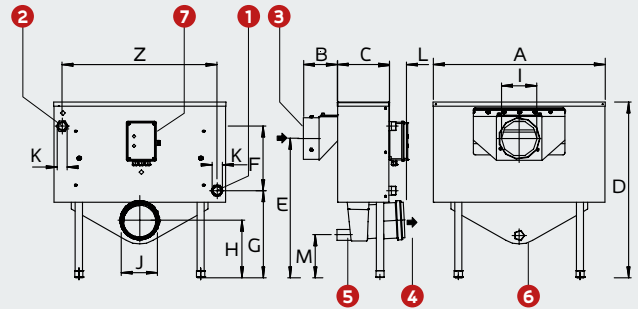
** **Please note:** The heat exchanger is mounted behind the boiler and must be sealed on site using flue gas sleeve gaskets. Freestanding installation is only possible if the requisite upright bracket set, product no. 90 790 00, is additionally ordered.

FOOTPRINT AND CONNECTION DIMENSIONS

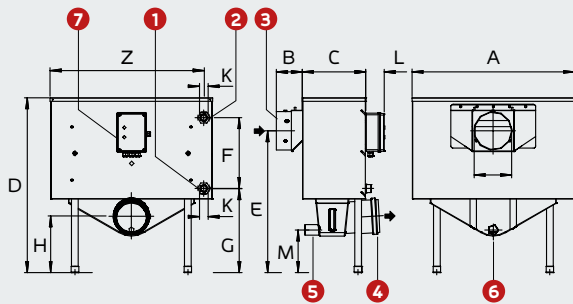
01-GG-0314-NT-4-K-3 SERIES



01-GG-0514-NT-4-K-3 SERIES



01-GG-0524-NT-4-K-3 and 01-GG-1024-NT-4-K-3 SERIES

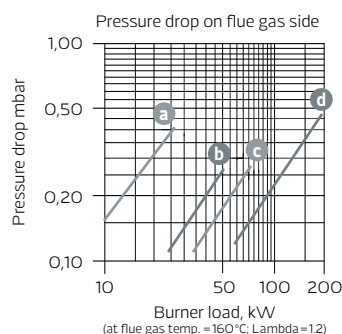
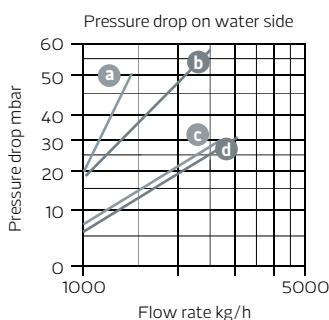


Key

- 1 Water inlet
- 2 Water outlet
- 3 Flue gas inlet *
- 4 Flue gas outlet *
- 5 Condensate outlet Dint 40 mm
- 6 Insertable, height-adjustable foot
- 7 Control panel with 120°C high limit safety cut-out and max. 80°C heating water thermostat

Profitherm 01-GG →		0314-NT	0514-NT	0524-NT	1024-NT
Boiler size (max. combustion output)	kW	22	45	60	160
Water capacity	litres	2,3	5,5	8,6	14
Flue gas HLSC, max. setting	°C	120	120	120	120
Permissible operating pressure	bar	3	3	3	3
Max. permiss. flue gas inlet temp.	°C	250	250	250	250
Max. permiss. water outlet temp.	°C	80	80	80	80
Max. permiss. flue pressure drop	Pa	100	100	100	100
Weight	kg	33	35	44	71
Dimensions (mm)	A	482	640	650	1205
	B	140	130	110	130
	C	194	195	240	240
	D min	690	655	695	730
	D max	880	805	845	1180
	E min	540	520	530	530
	E max	730	670	680	880
	F	220	240	270	270
	G min	366	325	315	375
	G max	556	475	465	725
	H min	262	215	210	230
H max	452	365	360	580	
Flue gas inlet	I int.**	130	130/150	130/150	180
Flue gas outlet	J int. (coupling)	80	125	125	160
Water connections	K	R1 (DN25)	R1 (DN25)	R1 (DN25)	R1 (DN25)
	L	120	65	55	55
	M* min	155	155	155	155
	M* max	420	305	305	505
	N	Rc 1 (DN25)	-	-	-
	Z	372	576	612	1171

* Note the neutralising system inlet height. ** Selectable; please specify when ordering. All data is without guarantee. Subject to change without notice.



Key

- a 01-GG-0314-NT
- b 01-GG-0514-NT
- c 01-GG-0524-NT
- d 01-GG-1024-NT