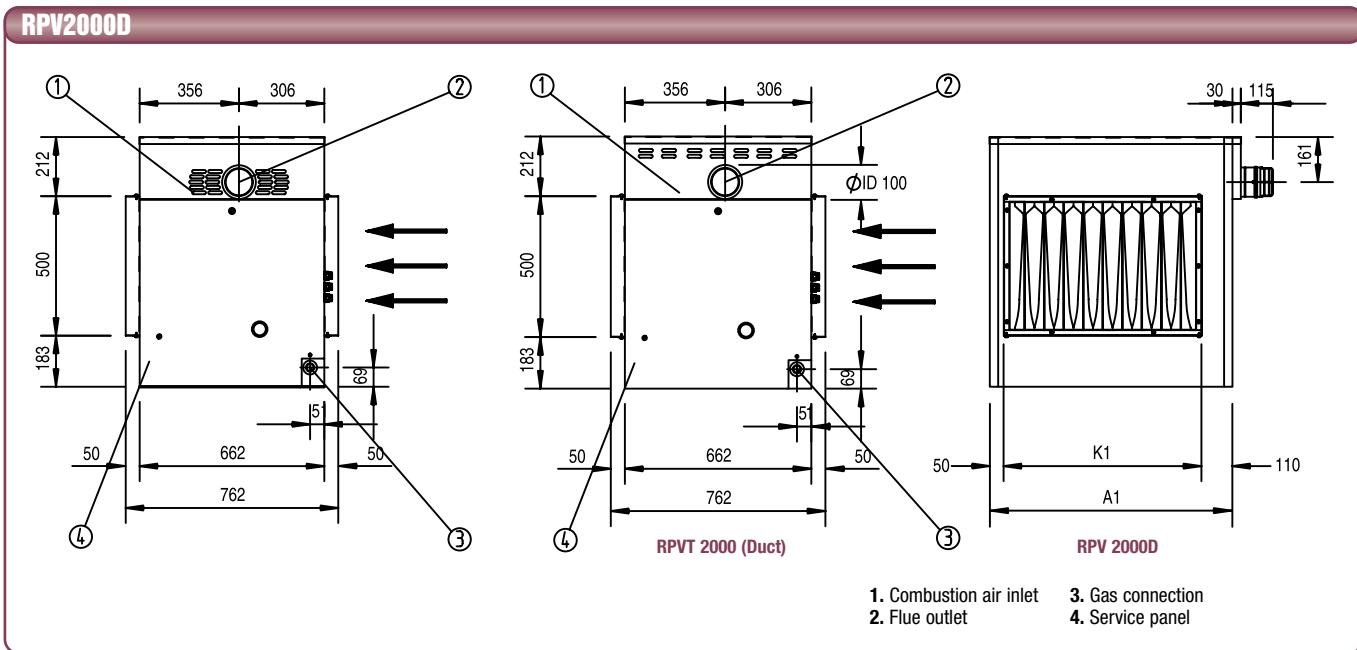
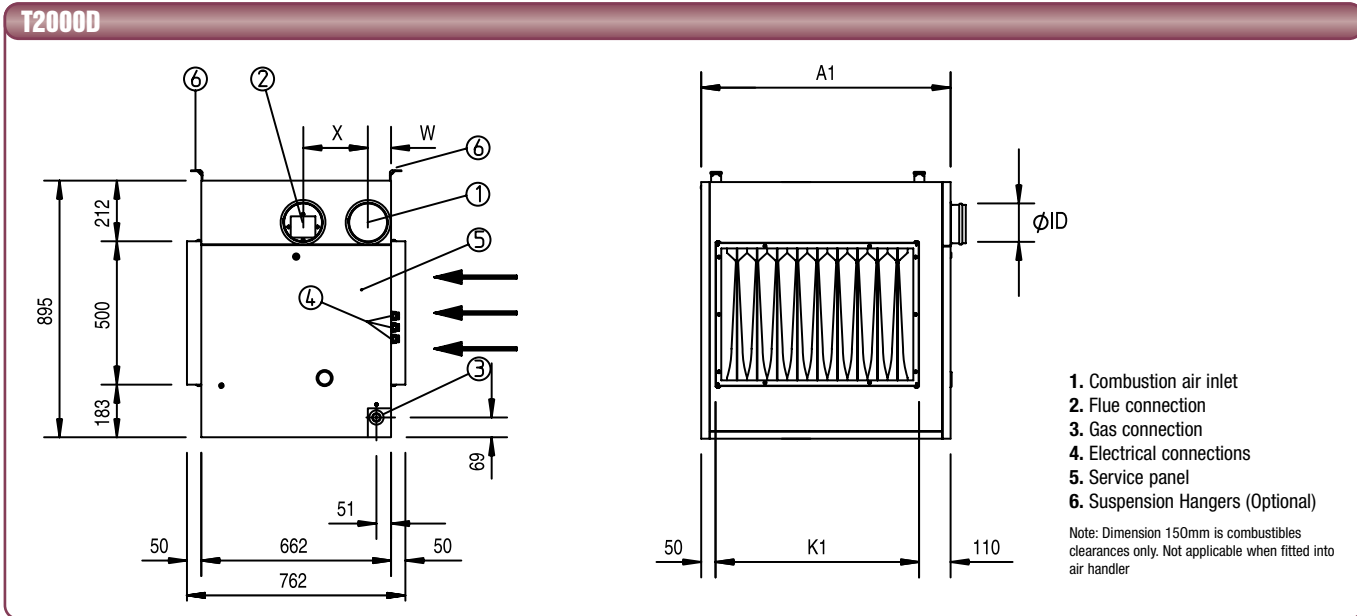


# DIMENSIONS



**Dimensions**

	2026D	2031D	2036D	2046D	2056D	2076D	2096D
	2526D	2531D	2536D	2546D	2556D	2576D	2596D
A1	520	590	730	730	870	1080	1360
K1	360	430	570	570	710	920	1200
W	166	166	166	81	81	81	81
X	140	140	140	225	225	225	225
∅ ID T2000D	102	102	102	132	132	132	132

Note: All dimensions in mm

## DUCT HEATERS – TYPE T2000D AND RPV2000D



# Reznor®

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**Company Standards and Services:**

All Reznor products are tested and approved to CE standards. Reznor UK Ltd. is assessed to BS EN ISO 9001: 2000 Quality Assurance. Reznor offers a design service to its customers; including budget schemes, on site technical support and a comprehensive after-sales service package. Reznor reserves the right to change specifications without prior notice.



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# Reznor®

THE NAME FOR WARM AIR

# DUCT HEATERS TYPE T2000D AND RPV2000D

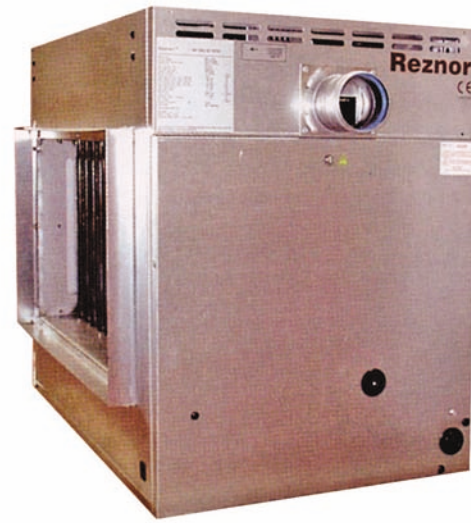
# TECHNICAL DATA

The Reznor T2000D and RPV2000D range of gas-fired air heaters are designed for inclusion as the heater section(s) in heating, heating/cooling, make-up air systems and process heating applications.

They may also be used as the heating section in an air curtain system or any air handling appliance.

Duct heaters may be fitted singly or in multiples, in series and in parallel according to design requirements. Air may be moved in either direction through the heat exchanger according to site considerations. However, the direction of airflow must be stated when ordering the appliance.

Where heaters are installed within an air handling unit, it is essential to ensure that the space or compartment in which the heater is located is separated from the airflow, to enable normal atmospheric pressure and ventilation to exist in the heater chamber and to maintain sensible operating temperatures.



Typical RPV 2000D OEM Heater Section for inclusion in external AHU

### Standard Version

- Natural gas
- Single stage burner control
- Automatic fast response ignition
- Stainless steel heat exchanger (409)
- Horizontal flue outlet and combustion air sockets with pipe seals (T2000D only)
- Connections for gas and electricity through rear panel

### Options and Accessories

- Liquid petroleum gas (LPG)
- Two stage burner control
- Modulating burner control with or without 0-10v Interface (GM44)
- Stainless steel heat exchanger (316)
- Opposite air flow
- Suspension points

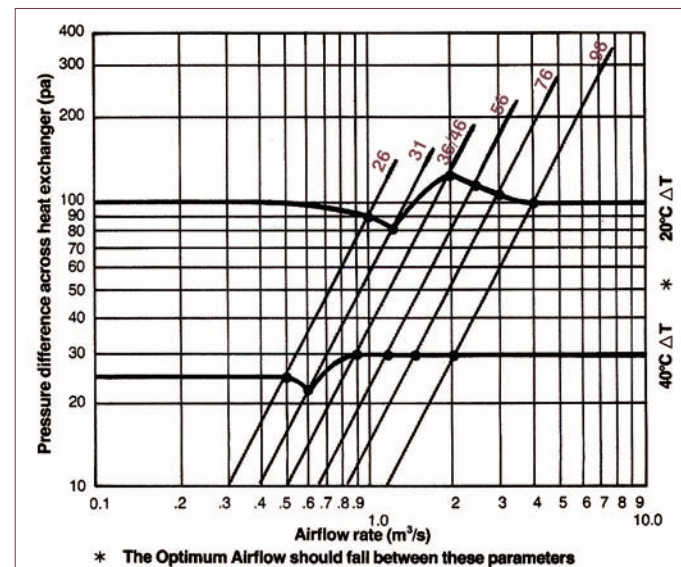


Typical RPV 2000D Weatherproof External Heater Section

### Pressure Drop

Although the pressure information contained within this brochure is accurate, additional pressure drops may occur due to severe reductions in the cross sectional area of the supply air section. At high airflows it is advisable to use a by-pass in order to limit the pressure drop through the heat exchanger and avoid condensation at low input rates. It is also more energy efficient.

The maximum pressure to which the heat exchanger may be subjected on the air side is 800 Pa.



Pressure difference against Airflow Rate for T2000D and RPV2000D series air heaters

### Appliances with Standard Efficiency

Standard version EURO-T		2026D	2031D	2036D	2046D	2056D	2076D	2096D
Low NOx version EURO-T		2526D	2531D	2536D	2546D	2556D	2576D	2596D
Heat input GCV (Hs)	kW	28.8	35.2	42.7	49.9	63.2	86.5	115.4
Heat input NCV (Hi)	kW	26.0	31.7	38.5	45.0	57.0	78.0	104.0
Heat output normal rate	kW	23.7	28.8	35.0	41.0	51.9	71.0	94.6
Gas consumption	nat. gas <sup>1</sup>	m <sup>3</sup> /h	2.70	3.36	4.10	4.76	6.10	8.30
	propane	kg/h	2.06	2.52	3.05	3.56	4.51	6.18
	butane	kg/h	2.10	2.60	3.12	3.64	4.61	6.31
Gas connection <sup>2</sup>	Rc	3/4"						
Electrical connection (protection class IP20)		230/240V 1N – 50 Hz						
Net weight	kg	80	85	99	99	115	139	171

### Minimum air volumes and maximum temperature rise

#### Standard Version

Model		2026D	2031D	2036D	2046D	2056D	2076D	2096D
Min. required air volume	m <sup>3</sup> /h	1800	2200	2660	3110	3940	5400	7190
Max. temperature rise $\Delta T^3$	K	37						

#### Low NOx Version

Model		2526D	2531D	2536D	2546D	2556D	2576D	2596D
Min. required air volume	m <sup>3</sup> /h	2080	2540	3080	3600	4555	6240	8300
Max. temperature rise $\Delta T^3$	K	32						

**Note:** 1. Natural gas G20, calorific value 10.48 kWh/m<sup>3</sup> GCV, 15°C, 1013 mbar  
 Propane G31, calorific value 12.88 kWh/kg  
 Butane G30, calorific value 12.66 kWh/kg  
 2. Not supply line size  
 3. For higher  $\Delta T$ 's, the manufacturer must be consulted



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