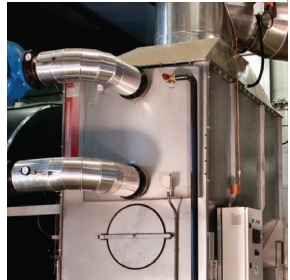




Van Dijk Heating Condensors



The flue gas condenser at a glance

- Proven quality and a long working life
- Sustainable construction
- Modular construction, so a solution is always possible
- Possible to use in all brands of boiler
- Good energy savings

The flue gas condenser supplied by Van Dijk heating: a success for more than 35 years now!

The Van Dijk heating flue gas condenser was introduced back in 1976, making it one of our oldest products. A flue gas condenser makes it possible to cool down flue gases from gas-fired equipment to a temperature below the dew point and, by doing this, utilise the condensation heat generated by the flue gases. This results in better efficiency from your burner and significant savings on your energy bill.

The strong construction and high quality of the materials used in the flue gas condenser guarantee a long working life and a high level of efficiency. The energy savings achieved will depend on the business situation and may be as much as 15%.

Fuel-gas side

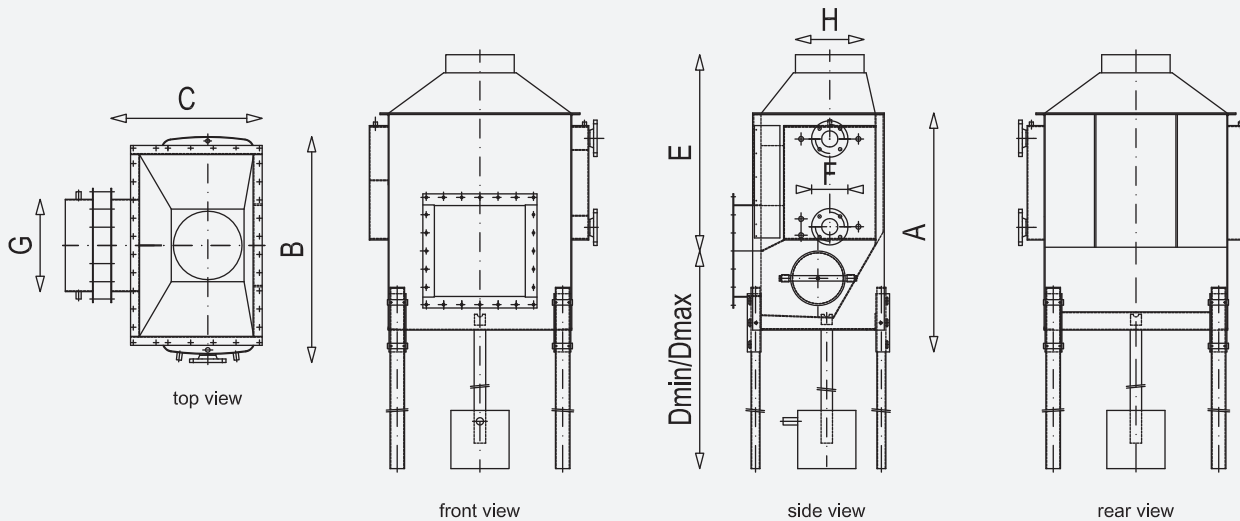
The condenser with a built-in bypass channel is suitable for use with the flue gases produced by gaseous fuels, such as natural gas and propane. In emergencies, during which a boiler is briefly fueled with oil, the flue gases can be discharged via the bypass channel, through the flue. In the event of sustained oil firing and boiler systems that are able to switch between gas and oil fuels, a condenser without a flue-gas side bypass channel will be necessary. A valve then makes it possible to shut off the supply of flue gases to the condenser. In this system, both the boiler and the condenser are fitted with a flue (with a valve) for the discharge of flue gases.

Water side

The condenser is available as a single condenser with one water circuit or as a combi condenser with two water circuits. It is also possible to opt to have the water side connections on the left or right-hand side. Your process data can be used to produce a heating calculation plus a related recommendation for the type of condenser and a savings calculation.



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Modular construction

The Van Dijk heating flue gas condenser is available in different models: with or without a flue-gas side bypass channel and with a single or double (combi) water circuit. Because of the modular construction, Van Dijk heating is able to produce a condenser for any type of heating system. When producing a new boiler, the boiler producer welds the counterflange for the fuel-gas side connection of the condenser to the boiler. This simplifies assembly in the boiler house.

Sustainable materials

The working life achieved by a condenser will depend largely on the materials used. The flue gas condenser is made from only high-quality corten steel and aluminium. After more than 35 years, these materials have more than proved their sustainability. Added to this, the materials are fully recyclable, making them as environmentally friendly as possible.

Type CM-01

Type	Boiler cap. kW	Cond. cap. kW	Weight empty kg	Water cap. kg	Dimensions					F Flanges ND&N	G Flue gas inlet	H Flue gas outlet	
					A	B	C	Dmin	Dmax				E
CM0501	580	82	230	60	1200	710	726	815	1335	995	65	400	307
CM0751	870	116	260	65	1200	710	906	815	1335	995	65	400	377
CM1001	1160	160	385	70	1200	710	1206	815	1335	995	65	400	377
CM1501	1740	232	480	90	1310	835	1230	915	1435	1080	80	500	377
CM2001	2320	336	690	130	1660	835	1230	915	1435	1430	80	500	377
CM2501	2900	409	800	145	1660	865	1455	915	1435	1430	80	600	442
CM3001	3480	498	1020	190	1725	1053	1466	970	1490	1565	100	600	551
CM3501	4060	574	1190	205	1725	1083	1741	960	1480	1575	100	700	551
CM4001	4640	644	1190	205	1725	1083	1741	960	1480	1575	100	700	551
CM5001	5800	808	1500	300	1790	1460	1784	1015	1835	1585	125	800	551
CM6001	6960	956	1600	320	1790	1460	2084	1015	1835	1585	125	800	600
CM7501	8700	1180	2350	406	1850	1648	2146	1190	2170	1660	150	800	707
CM8001	9300	1280	2530	419	1850	1698	2446	1215	2195	1635	150	900	757
CM9001	10440	1420	2660	437	1850	1698	2446	1215	2195	1635	150	900	757
CM10001	11600	1600	2980	467	1850	1698	2746	1215	2195	1635	150	900	757
CM12501	14500	1940	3850	635	1910	2118	2875	1200	2240	1647	150	1000	807
CM15001	17400	2220	3850	635	1910	2118	2875	1200	2240	1647	150	1000	807



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