

■ Flexible fuel use

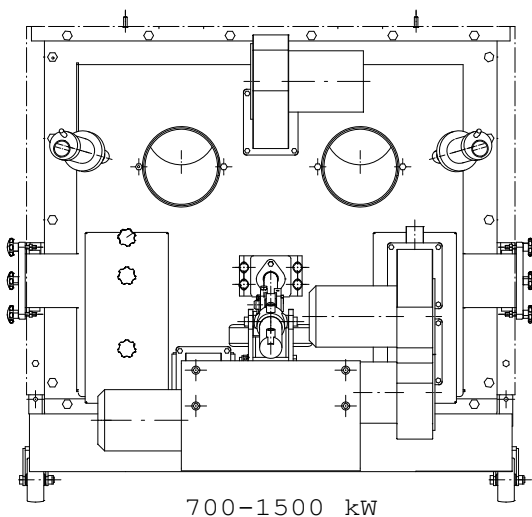
Ariterm's MultiJet bio burner is designed to utilise several different kinds of bio fuels. **The burner is able to use wood chip of varying quality, wood and various field fuels.**

The grate of the MultiJet is fully mobile and this enables the fuel to mix efficiently on its surface. The grate's mobility improves moving the ash from the burning head to the ash compartment. This is useful especially when using fuel that produces a lot of ash. The grate runs by durable spindle motor or, in the case of larger burners (500-1500 kW), hydraulics. The fuel is fed using a two-screwed feeding system that is essential to the structural fire safety of the equipment.

The burner is equipped with two (<200 kW) or four combustion air fans. The fans are directed from the control centre which ensures that the mixing ratio of air and fuel remains optimal at all power levels. The burners with higher power capacities (200-1500 kW) it is possible to direct different combustion air levels for the front and back of the grate depending on the power it is run at. This results in a clean burn and high efficiency at all times.

It also means that the boiler will remain cleaner. The structure and materials of the burner have been designed to take into account the demanding conditions the bio burner faces at all times.

MultiJet 40-500 kW is equipped with one burner screw. The bigger MJ700-1500 is equipped with two parallel burner screws which enables more even fuel distribution onto the broad grate. Burners with two burner screws require, depending on the fuel and location of the fuel storage, a separate dividing screw for fuel transfer from the silo/ storage screw to both burner screws.



700-1500 kW

The burner is controlled using the Arimatic control centre (p. 19-20)

MultiJet 40 - 150 kW = AM151

MultiJet 200 - 500 kW = AM500/AM1001

MultiJet 700 - 1500 kW = AM1001, more information available from the factory!

■ Main measurements of the MultiJet burner

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Poltin kW	A	B	C	D	E	F min	G min	Weight kg
40	240	240	441	322	322	465	350	54
60	340	340	526	432	432	555	400	84
80	380	380	623	482	482	650	500	110
120	420	380	623	522	522	650	600	120
150	440	440	738	562	562	770	650	140
200	500	640	1034	592	732	1050	750	390
250	570	640	1034	662	732	1050	850	440
300	640	640	1034	732	732	1050	950	490
400	710	685	1226	802	777	1240	1050	650
500	850	685	1226	942	777	1240	1200	800
700 H	920	768	1412	1012	860	1430	1400	1130
1000 H	1110	925	1737	1266	1085	1750	1700	1430
1500 H	1410	1094	2032	1566	1255	2060	2000	1720

