

# MXD MAXI BOILER

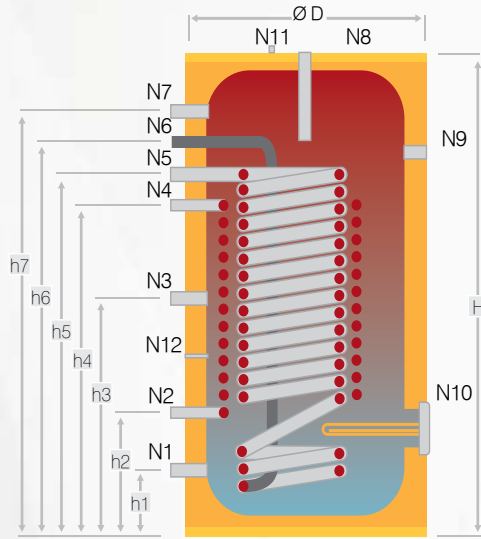


The most distinguishing feature of the Maxi Boilers from the other domestic boilers is that in the same volume more coil surface area is supplied in this system, which delivers more hot water than its counterparts in terms of capacity. Spire through the top of the boiler to the bottom, always there is a uniformly distributed homogeneous heat distribution in the boiler. The entire boiler water is heated with long coils cover boiler thus, there are no cold regions in which bacteria grow.

## MXD SERIES MAXI DOUBLE SERPANTINE BOILER CAPACITY SPECIFICATIONS

CAPACITY SPECIFICATIONS		Continuous Capacities for Boiler Circuit : Cold Water Inlet : 10 °C / Hot Water Inlet : 45 °C											
		MXD 160	MXD 200	MXD 300	MXD 350	MXD 400	MXD 500	MXD 600	MXD 800	MXD 1000	MXD 1500	MXD 2000	
Heating Fluid Flow Rate	m <sup>3</sup> /h	2.0	3.0	3.0	3.0	3.0	4.0	4.0	5.0	5.0	6.0	6.0	
Outer Serpantine	Heating Circuit 90 °C	m (lt/h)	886	1338	1892	1702	1702	2853	3341	3718	3972	4346	5324
		Q (kW)	36.1	54.5	77.0	69.3	69.3	116.1	136.0	151.3	161.7	176.9	216.7
	Heating Circuit 80 °C	m (lt/h)	700	1056	1503	1349	1349	2273	2673	2965	3174	3463	4270
		Q (kW)	28.5	43.0	61.2	54.9	54.9	92.5	108.8	120.7	129.2	140.9	173.8
	Heating Circuit 70 °C	m (lt/h)	524	788	1132	1013	1013	1716	2029	2224	2407	2617	3253
		Q (kW)	21.3	32.1	46.1	41.2	41.2	69.8	82.6	90.5	98.0	106.5	132.4
	Heating Circuit 60 °C	m (lt/h)	356	535	776	692	692	1181	1406	1548	1664	1802	2264
		Q (kW)	14.5	21.8	31.6	28.2	28.2	48.1	57.2	63.0	67.7	73.3	92.1
	Heating Circuit 50 °C	m (lt/h)	190	285	420	372	372	643	772	845	912	981	1256
		Q (kW)	7.7	11.6	17.1	15.1	15.1	26.2	31.4	34.4	37.1	39.9	51.1

Heating Fluid Flow Rate	m <sup>3</sup> /h	3.0	3.0	4.0	4.0	4.0	5.0	5.0	6.0	6.0	8.0	8.0
Heating Circuit 90 °C	m (lt/h)	1068	1346	1706	1841	1841	2934	3377	3701	4358	4879	5845
	Q (kW)	43.5	54.8	69.4	74.9	74.9	119.4	137.4	150.6	177.4	198.6	237.9
Heating Circuit 80 °C	m (lt/h)	840	1062	1345	1453	1453	2325	2686	2938	3473	3870	4661
	Q (kW)	34.2	43.2	54.7	59.1	59.1	94.6	109.3	119.6	141.3	157.5	189.7
Heating Circuit 70 °C	m (lt/h)	625	793	1003	1085	1085	1746	2025	2209	2624	2908	3525
	Q (kW)	25.4	32.3	40.8	44.2	44.2	71.1	82.4	89.9	106.8	118.3	143.5
Heating Circuit 60 °C	m (lt/h)	422	539	680	737	737	1193	1390	1513	1808	1989	2434
	Q (kW)	17.2	21.9	27.7	30.0	30.0	48.6	56.6	61.6	73.6	80.9	99.1
Heating Circuit 50 °C	m (lt/h)	224	287	362	393	393	642	753	816	984	1072	1334
	Q (kW)	9.1	11.7	14.7	16.0	16.0	26.1	30.6	33.2	40.0	43.6	54.3



SIZE SPECIFICATIONS		MXD 160	MXD 200	MXD 300	MXD 350	MXD 400	MXD 500	MXD 600	MXD 800	MXD 1000	MXD 1500	MXD 2000
Total Volume	V (lt)	160	200	300	350	400	500	600	800	1000	1500	2000
Body Diameter	Ø D (mm)	590	590	700	750	750	750	750	900	1000	1120	1260
Total Height	H (mm)	1125	1320	1210	1325	1450	1800	2040	2100	2070	2300	2230
Diameter for Process Water	N1 - N7 (inch)	3/4"	3/4"	1"	1"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Outer Serpentine	N2 - N4 (inch)	1"	1"	1"	1"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Circulation Diameter	N3 (inch)	4"	4"	4"	4"	4"	4"	4"	5"	5"	5"	5"
Inner Serpentine	N5 - N6 (inch)	1"	1"	1"	1"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Magnesium Anode	N8 (inch)	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Thermometer	N9 (inch)	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Cleaning Flange	N10 (inch)	4"	4"	4"	4"	4"	4"	4"	5"	5"	5"	5"
Sensor	N11 - N12 (inch)	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Outer Serpentine Surface	S1 ( m2)	0.96	1.39	2.13	1.86	1.86	3.26	4.03	4.67	5.10	5.32	7.60
Inner Serpentine Surface	S2 ( m2)	1.07	1.40	1.72	1.88	1.88	3.12	3.74	4.32	5.34	5.57	7.84
Isolation Type	i (mm)	PU / 50	PU / 50	PU / 50	PU / 50	PU / 50	PU / 50	PU / 50	SU / 80	SU / 80	SU / 80	SU / 80
Net Weight	G (kg)	100	131	169	186	201	275	317	405	460	564	712
Gross Weight	G' (kg)	110	140	185	200	214	296	335	434	4822	623	779
Detailed Height Size	h1 (mm)	165	165	160	180	180	180	180	210	220	170	250
	h2 (mm)	360	360	265	400	400	400	400	465	490	325	540
	h3 (mm)	585	685	625	700	700	925	1050	1075	1040	1150	1150
	h4 (mm)	730	925	820	890	1015	1365	1605	1600	1545	1725	1655
	h5 (mm)	820	1015	890	980	1105	1455	1695	1690	1635	1815	1745
	h6 (mm)	910	1105	980	1070	1195	1545	1785	1780	1725	1905	1835
	h7 (mm)	1020	1210	1080	1200	1320	1680	1915	1945	1900	2110	2035

## FLOW DIAGRAM

