AEK
ARALSAN
ECONOMIZER

CAPACITY RANGE

Manufactured according to customer request in accordance with boiler capacity ranging from 100 kg/h steam to 50 000 kg/h steam at the operation pressure from 0.5 bar to 30

ALL IN ONE

Package delivery with its all necessary operation and safety equipment

- *Inlet, outlet and by-pass valves*
- *Pneumatic actuators for inlet & outlet klappes*
- *Safety pressure controller*
- *Safety valve*
- *Indicator for water inlet temperature*
- *Indicator and controller for water outlet temperature*
- *Indicator and controller for flue gas inlet temperature*
- *Indicator for flugas outlet temperature*
- *Safety pressure controller*

OPERATION PROPERTIES

Safe operation with high efficieny

- *Automatic klappe positioning according to water outlet temperature*
- *Cold working protection according to flue gas inlet temperature*
- *High water temperature protection*
- *High water pressure protection*

CE ISO 9001 TÜV AUSTRIA TURK TÜV NORD belcert

ARALSAN

APPLICATION

Applied all steam and hot water boiler firing all kind of fuels

Horizontal or vertical montage options

ENERGY SAVING

Shown in the table below

Calculated according to natural gas using

Boiler Capacity		Boiler Pressure	Feed Water Inlet Temperature	Feed Water Outlet Temperature	Steam Temperature	Fuel Consumption	Flue Gas Amount	Optimal Flue Gas Inlet Temperature	Optimal Flue Gas Outlet Temperature	Heat Recovered	Fuel Recovered [*]
[kg/h]	[kW]	[bar]	[°C]	[°C]	[°C]	[Nm³/h]	[Nm³/h]	[°C]	[°C]	[kW]	[Nm³/year]
100	77	10	75	110.5	184.2	9.2	105	235	140	4	1 033
200	154	10	75	110.5	184.2	18.3	210	235	140	8	2 066
300	231	10	75	110.5	184.2	27.5	315	235	140	12	3 100
400	309	10	75	110.5	184.2	36.6	420	235	140	17	4 133
500	386	10	75	110.5	184.2	45.8	526	235	140	21	5 166
750	579	10	75	110.5	184.2	68.6	788	235	140	31	7 749
1 000	772	10	75	110.5	184.2	91.5	1 051	235	140	41	10 332
1 250	965	10	75	110.5	184.2	114.4	1 314	235	140	52	12 915
1 500	1157	10	75	110.5	184.2	137.3	1 577	235	140	62	15 498
1 750	1350	10	75	110.5	184.2	160.1	1 839	235	140	72	18 081
2 000	1543	10	75	110.5	184.2	183.0	2 102	235	140	83	20 665
2 500	1929	10	75	110.5	184.2	228.8	2 628	235	140	103	25 831
3 000	2315	10	75	110.5	184.2	274.5	3 153	235	140	124	30 997
3 500	2701	10	75	110.5	184.2	320.3	3 679	235	140	144	36 163
4 000	3087	10	75	110.5	184.2	366.0	4 204	235	140	165	41 329
4 500	3472	10	75	110.5	184.2	411.8	4 730	235	140	186	46 495
5 000	3858	10	75	110.5	184.2	457.5	5 255	235	140	206	51 661
6 000	4630	10	75	110.5	184.2	549.0	6 306	235	140	248	61 994
8 000	6173	10	75	110.5	184.2	732.0	8 408	235	140	330	82 658
10 000	7716	10	75	110.5	184.2	915.0	10 510	235	140	413	103 323

[*] Fuel recovery is calculated according to 8-hour operation day and 300-day operation year

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