



TITAN AS

PACKAGE STEAM BOILER

WHAT IS TITAN AS?

For processes that require up to 10tons/hr of steam, the Titan AS represents our most popular model because of its versatility, robust construction and efficient operation.

Adopting the Reverse-Flame principle, the Titan AS allows hot flue gases to make 2 passes within its pressurised combustion chamber and a third and final pass through its fire-tubes on its exit, thus maximising the time and absorption of heat within the boiler.

FEATURES

- Designed and manufactured to the latest international standards (BS2790)
- Operating pressures of either 150psig (10.34barg) or 250psig (17.24barg)
- Full wetback design thus minimising radiation heat loss and refractory maintenance
- Highly suitable for applications requiring quick “cold starts” without the thermal stress
- Spiral agitators in fire-tubes to enhance heat transfer
- Large furnace volume assures high combustion efficiency through minimization of unburned combustibles
- Spacing above top row fire-tubes is large allowing for easy access during inspection
- Easy accessibility: Hinge-mounted front door allows full view and inspection of furnace and fire tubes.
Easy tube replacement where necessary.
- Wide variety of both liquid and gaseous fuels can be burnt efficiently and cleanly, including biogas
- Compact in construction yet designed for easy access, important for internal inspection, cleaning and maintenance
- Full automated operation provided for control for burner system, steam pressure and for failsafe operation.



REVERSE-FLAME TECHNOLOGY

Adopting the Reverse-Flame principle, the Titan AS is designed to allow hot flue gases to make 2 passes within its pressurised combustion chamber and a third and final pass through its fire-tubes on its exit. This special design maximizes the residence time of the flue gas within the boiler thus increasing heat absorption within the boiler.

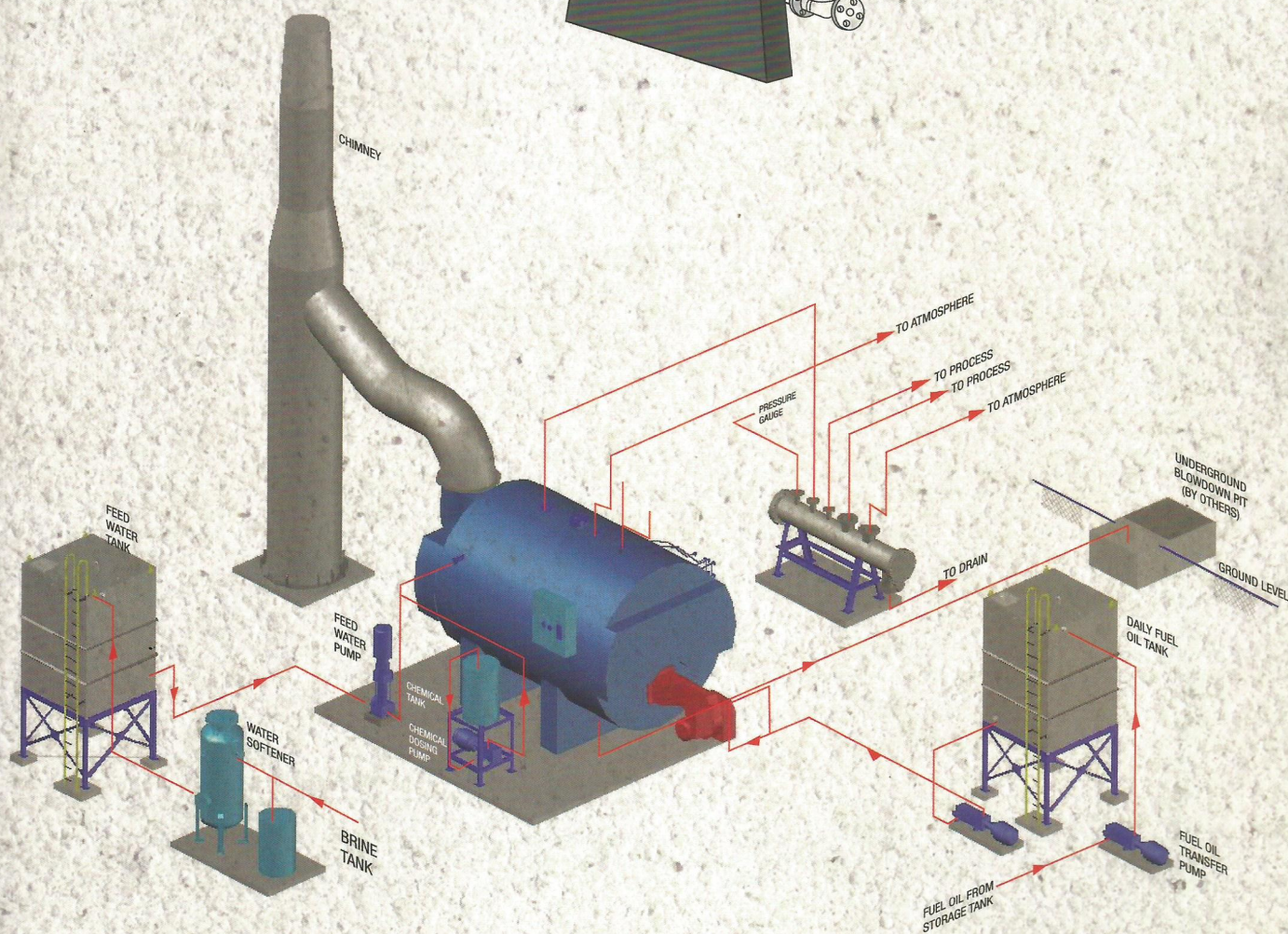
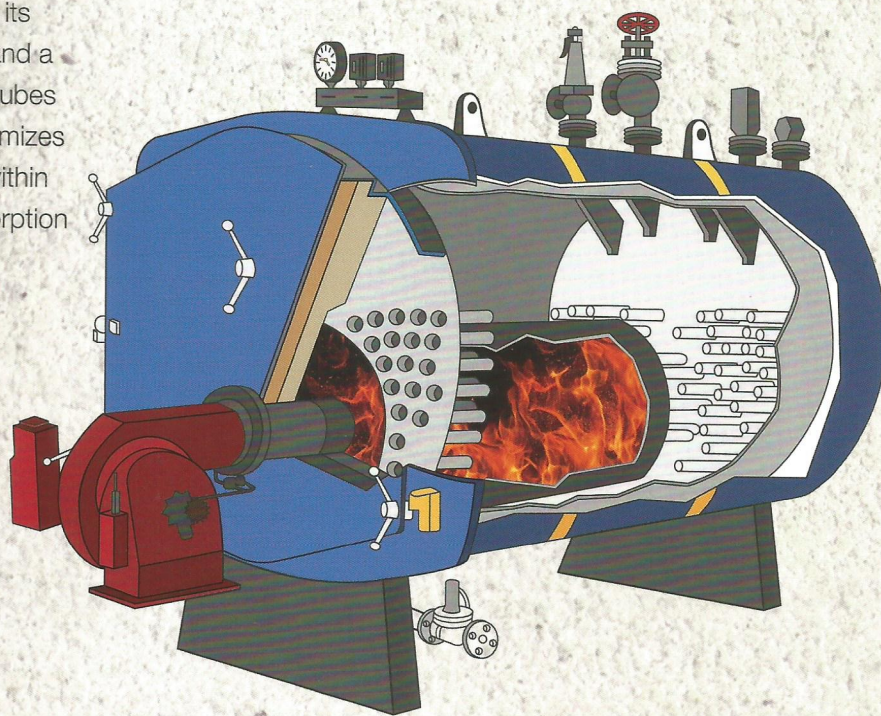
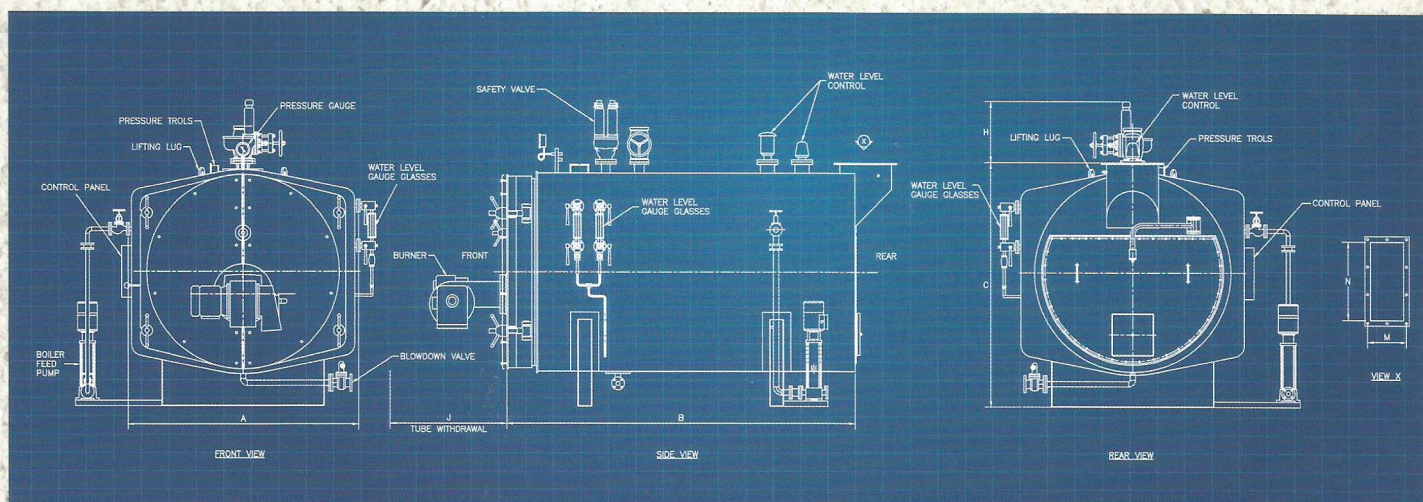


CHART & GRAPHS



BOILER MODEL		AS125	AS200	AS350	AS500	AS650	AS800	AS1000	AS1200	AS1400	AS1600	AS2000	AS2400
BOILER CAPACITY		1250	2000	3500	5000	6500	8000	10000	12000	14000	16000	20000	24000
		lbs/hr F&A 212°F											
		567	907	1588	2268	2948	3629	4536	5443	6350	7258	9072	10886
		kg/hr F&A 100°F											
DIMENSION	A	mm	1414	1582	1758	1896	2031	2095	2306	2333	2563	2621	3039
	B	mm	2187	2342	2612	3116	3442	3609	4126	4146	4231	4390	5193
	C	mm	1650	1777	2007	2180	2364	2440	2626	2713	2946	3151	3529
	M	mm	254 I/D	305 I/D	355 I/D	457 I/D	508 I/D	558 I/D	400	405	408	445	535
	N	mm							975	990	1110	1168	1222
	H	mm	389	389	389	389	389	498	498	498	570	570	670
	J	mm	2285	2285	2590	3100	3434	3555	3960	3960	4270	4270	5000
MAIN STEAM VALVE SIZE		NB	50	50	80	80	100	100	125	125	125	125	150
SAFETY VALVE SIZE		DN	40	40	40	40	40	40	65	65	65	65	80
SAFETY VALVE OUTLET		NB	80	80	80	80	100	100	100	100	125	125	150
BLOWDOWN VALVE SIZE		NB	25	25	25	40	40	40	40	40	40	50	50
FEED WATER PUMP INLET		NB	32	32	32	32	32	32	32	40	40	40	50
FEED WATER PUMP MOTOR		Kw	1.5	1.5	2.2	2.2	3	3	4	5.5	5.5	5.5	11
FUEL OIL													
a) PUMP INLET		BSP	25	25	25	25	25	25	25	25	25	25	25
b) RETURN		BSP	15	15	15	15	15	20	20	20	20	20	20
c) SUPPLY PIPE		BSP, (MIN.)	40	40	40	50	65	65	65	65	80	80	80
RECOMMENDED CHIMNEY DIAMETER		mm	254	305	355	457	457	558	635	710	770	770	910
BOILER DRY WEIGHT		kg	3940	3200	4000	6020	7580	8500	10830	11560	12910	14450	15900
BOILER WEIGHT AT NWL		kg	4880	4500	5891	8870	11030	12450	16400	17370	19290	21680	24410

Note: 1. All dimensions and weight are approximated only based on boiler working pressure of 150 psig

SALES OFFICES ►

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