

BOILER TECHNICAL SCHEDULE
18/0576B

PLACE OF MANUFACTURE: Annan, United Kingdom

ONE (1) COCHRAN ST37 LN PACKAGE STEAM BOILER

OUTPUT:	18,000 kg/hr, F. & A. 100°C
WORKING PRESSURE:	10.0 bar g
DESIGN PRESSURE:	11.0 bar g
CONSTRUCTION CODE:	BS EN 12953 with independent Inspection by Bureau Veritas Inspection Limited and CE Marked
ELECTRICITY SUPPLY:	Power 415 Volts/3 Phase/50 Hz; Control Circuit 240 Volts
FUEL SPECIFICATION	Natural Gas – Nett CV 34,898 kJ/m ³ Required Inlet Pressure, min 140 mbar, max 200 mbar
INSULATION & CLADDING	Boiler shell Insulated with 100mm high density insulation with Stucco aluminium cladding
TERMINATION DETAILS	Valves and gauges fitted to boiler standpipes with suitable joints and flanges to BSEN1092

STANDARD VALVES AND FITTINGS PROVIDED WITH BOILER:

COMBUSTION EQUIPMENT	Cochran Pressure Jet c/w Electronic Combustion Control
COMBUSTION CONTROL	Modulating
TURN DOWN RATIO	6:1
ANTICIPATED NOX EMISSIONS	<100 Mg/Nm ³ @3% O ₂
STEAM ISOLATING VALVE	Cast Steel angle pattern
BOILER SAFETY VALVE	Single Spring
WATER GAUGE ASSEMBLY	2 sets of Reflex type with isolating and blowdown cocks fitted to a plate type column
BLOWDOWN VALVE	Manual isolating valve
FEED ISOLATING VALVE	Angle type
FEED CHECK VALVE	Wafer pattern non return
PRESSURE GAUGE	Sized suitable for pressure
FEED WATER PUMP	1 off vertical multistage pump, fixed speed
WATER LEVEL CONTROLS	Gestra Standard Integrity Probe type controls, modulating