SUPAFLEX AGENCIES

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CLYDE THE NAME IN BOILERS SINCE 1920

MULTIPLE BURNER TECHNOLOGY IN GAS FIRED CONDENSING BOILERS

THE CLYDE UNICAL MODULEX AND SUPERMODULEX ARE CONDENSING BOILERS LIKE NO OTHERS AND OF INNOVATIVE DESIGN. THE MODULEX MODULATES ON A CASCADE DOWN TO 12KW AND UP TO 340KW AND THE SUPERMODULEX DOWN TO 22KW AND UP TO 900KW. THEY ARE CAST ALUMINIM ALLOY SECTIONAL BOILERS, FACTORY ASSEMBLED, WITH EACH SECTION CONTAINING ITS OWN DOWN FIRING RADIANT BURNER. THEY HAVE A SMALL FOOTPRINT. THEY FULLY INTEGRATE WITH THE BMS

THIS FEATURE GIVES HUGE TECHNICAL ADVANTAGES OVER SINGLE BURNER CONDENSING BOILERS. IN MOST CASES WHERE THIS TYPE OF BOILER HAS BEEN CONSIDERED BY THE DESIGN ENGINEER, USING SEVERAL HAVE BEEN PROPOSED. CHANGING TO THE MODULEX WILL MEAN FEWER BOILERS. SOMETIMES A SINGLE LARGE MODULEX WILL ACHIEVE THE SAME RESULT AS 2 OR EVEN 3 SINGLE BURNER UNITS. IF A BURNER DEVELOPS A FAULT IN THE MODULEX ONLY THIS SECTION NEEDS TO BE MAINTAINED. WHEN A SINGLE BURNER UNIT DEVELOPS A FAULT, USUALLY IN JANUARY OR FEBRUARY, THIS CAN BE A MAJOR TEMPORARY HEADACHE.

RESULT – COST SAVINGS, OFTEN ON THE BOILER/BOILERS PLUS PIPEWORK/VALVES/ELECTRICS/FLUES/SPACE AND ONE OF THE BIGGEST – LABOUR AND BUILDERS WORK.

TO ACCESS FULL TECHNICAL DETAILS ON THE MODULEX GO ONTO OUR WEBSITE www.supaflex-agencies.com YOU CAN ALSO ACCESS THE CLYDE WEBSITE BY CLICKING ON THE LINK UNDER THE LOGO.

REGARDS

EDDY WARREN
AGENT FOR CLYDE EAST ANGLIA/NORTHERN HOME COUNTIES

MODULEX CONDENSING BOILERS WITH A DOWN FIRING RADIANT BURNER IN EVERY SECTION - ALUMINIUM ALLOY FACTORY ASSEMBLED. IT IS HIGHLY VERSATILE, EFFICIENT AND QUIET.

THEY HAVE AN EXTREMELY HIGH TURN DOWN RATIO – THE 900 FOR EXAMPLE, WITH AN OUTPUT TO 894 KW WILL MODULATE ON A CASCADE DOWN TO ALMOST 22 KW – A 40:1 TURN DOWN RATIO

GAS BOOSTERS ARE RARELY REQUIRED WITH THESE BOILERS

BOILER KW RATING - NUMBER OF SECTIONS/BURNERS -TURN DOWN RATIO

CLYDE UNICAL MODULEX - CONDENSING BOILERS		
100	**2**	**8:1**
145	**3**	**12.1**
190	**4**	**16:1**
240	**5**	**20:1**
290	**6**	**24:1**
340	**7**	**28:1**
CLYDE UNICAL SUPER MODULEX - CONDENSING BOILERS		
440	**4**	**20:1**
550	**5**	**25:1**
660	**6**	**30:1**
770	**7**	**35:1**
900	**8**	**40:1**

A FAULT ON A MODLEX BURNER (NORMALLY THE FAN) ONLY INVOLVES A 2 HOUR SHUT DOWN WITH THE POWER OFF FOR SAFETY. WE RECOMMEND A SPARE FAN IS HELD ON SITE SHOULD ONE FAIL. IN THE EVENT OF A FAILURE ONLY A SMALL PERCENTAGE OF CAPACITY IS TEMPORARILY LOST. THE MODULEX BOILER WITH THE MULTIPLE BURNER TECHNOLOGY HAS GREAT ADVANTAGE OVER BOILERS WITH A SINGLE OR EVEN TWIN BURNERS.

CLYDE ENERGY SOLUTIONS LTD – BREAKING NEWS

CENTURION LST RADIATORS & CLYDE UNICAL MODULEX MODULAR BOILERS WITH MULTIPLE BURNER TECHNOLOGY

September 2011 saw Clyde Energy Solutions Ltd, for whom Supaflex Agencies are proud to act as agents, win two significant orders

The first, 363 Centurion full low surface temperature radiators are being supplied at the New Abbeyfield Care Home Complex at Girton, Cambridge

The second, involves 2 X 900KW Clyde Unical Super Modulex boilers, each with 8 X 110KW modules and 8 down firing radiant burners, plus a 290KW Clyde Unical Modulex of 6 X 50KW modules with 6 burners is also being supplied. A prestige project for the London Borough of Camden at the Swiss Cottage SSS and UCL Academy Complex. The advanced technology of the Clyde Unical Modulex Boilers won the day over other solutions for the project. The original design was based on a number of smaller boilers. This scheme was replaced by the M&E Consultant team favouring the Clyde Energy Solution proposal both on technical merit and cost savings.

Eddy Warren spent a lot of time dicussing all aspects of both the above projects with the M&E Services Consulting Engineers, Building Services Coordinators and Surveyors at the Main Contractors and finally with the M&E Contracts team at the Contractors.

Stirling support was given by Dave Slevin (Business Development Manager for Clyde Energy Solutions Ltd) along with Dave Lindsay (Estimating Manager for Clyde Energy Solutions Ltd). Steve Laws CEng, MSc, MEI, MCIBSE (Clyde Technical Director) is always available to offer clients a full "in depth" technical support when required (Steve's Direct Line TEL. 01342 305531

JOINT CIBSE & HVCA TECHNICAL MEETING TUESDAY 25TH 0CTOBER 2011

VENUE :

THE HOLIDAY INN EIGHT ASH GREEN COLCHESTER

THIS WAS A VERY SUCCESSFUL EVENING WITH ABOUT 30 PEOPLE IN ATTENDANCE. A GOOD QUESTION AND ANSWER SESSION FOLLOWED THE PRESENTATION.

STEVE LAWS CEng, MSc, MEI, MCIBSE – TECHNICAL DIRECTOR OF CLYDE ENERGY SOLUTIONS LTD, PRESENTED A SEMINAR DURING THE EVENING ON THE MERITS OF USING CONDENSING BOILERS WITH MULTIPLE BURNER TECHNOLOGY.

CPD CERTIFICTES WERE AVAILABLE FOR THOSE WHO WISHED TO RECEIVE ONE.

EDDY WARREN – AGENT FOR CLYDE EAST ANGLIA & NORTHERN HOME COUNTIES, ALONG WITH DAVE SLEVIN BUSINESS DEVELOPMENT MANAGER FOR CLYDE, ATTENDED

THE EVENT WAS ORGANISED IN CONJUNCTION WITH CIBSE HOME COUNTIES NORTH EAST WITH THE CIBSE EAST ANGLIAN MEMBERSHIP FULLY INFORMED.

THIS EVENT WAS OPEN TO BOTH CIBSE & MEMBERS OF THE HVCA (NOW BESA)

EDDY WARREN

NOx (NITROUS OXIDE) LEVELS FOR CLYDE UNICAL MODULEX & CLYDE UNICAL SUPER MODULEX CONDENSING BOILERS

ON A NUMBER OF OCCASIONS QUESTIONS HAVE BEEN ASKED ABOUT THE ABOVE, PARTICULARLY RELATING TO THE CODE FOR SUSTAINABLE HOMES.

CLYDE STATE, IN THEIR TECHNICAL ENGINEERING DATA SHEET, 47 mg/kwh, MEASURED IN ACCORDANCE WITH EN 297, WHICH IS THE STANDARD USED IN THIS CODE. THERE ARE OTHER EUROPEAN STANDARDS FOR MEASURING NOx AND THESE MAY ALLOW AN AVERAGE FIGURE TO BE PUBLISHED RATHER THAN A MAXIMUM. THE CLYDE FIGURE OF 47 mg/kwh IS A MAXIMUM FIGURE WHEN PEAK DEMAND IS REQUIRED FROM THE BOILER DURING WINTER, MOSTLY JANUARY OR FEBRUARY. THIS NOx LEVEL WILL ONLY OCCURR FOR SHORT PERIODS DURING THIS TIME. MOST OF THE TIME IT WILL BE BELOW 40 mg/kwh AND SOME OF THE TIME CONSIDERABLY SO IN SPRING & AUTUMN AT COMPARATIVELY LOW DEMAND ON OUTPUT.

HOWEVER, WHEN AN ENGINEER IS CONSIDERING A BOILER CLAIMING NOx <40 mg/kwh AND EITHER THE MEASUREMENT STANDARD IS NOT STATED OR IT IS ANOTHER STANDARD (EG EN 676) THEN IT WOULD BE REASONABLE TO SUGGEST TO THE DESIGN ENGINEER THAT HE CONTACTS THE MANUFACTURER. ASK THEM TO STATE IN WRITING THE MAXIMUM NOx EMISSONS AS MEASURED BY EN97 TO ENSURE THAT THEY ARE COMPLYING WITH THE CODE FOR SUSTAINABLE HOMES.