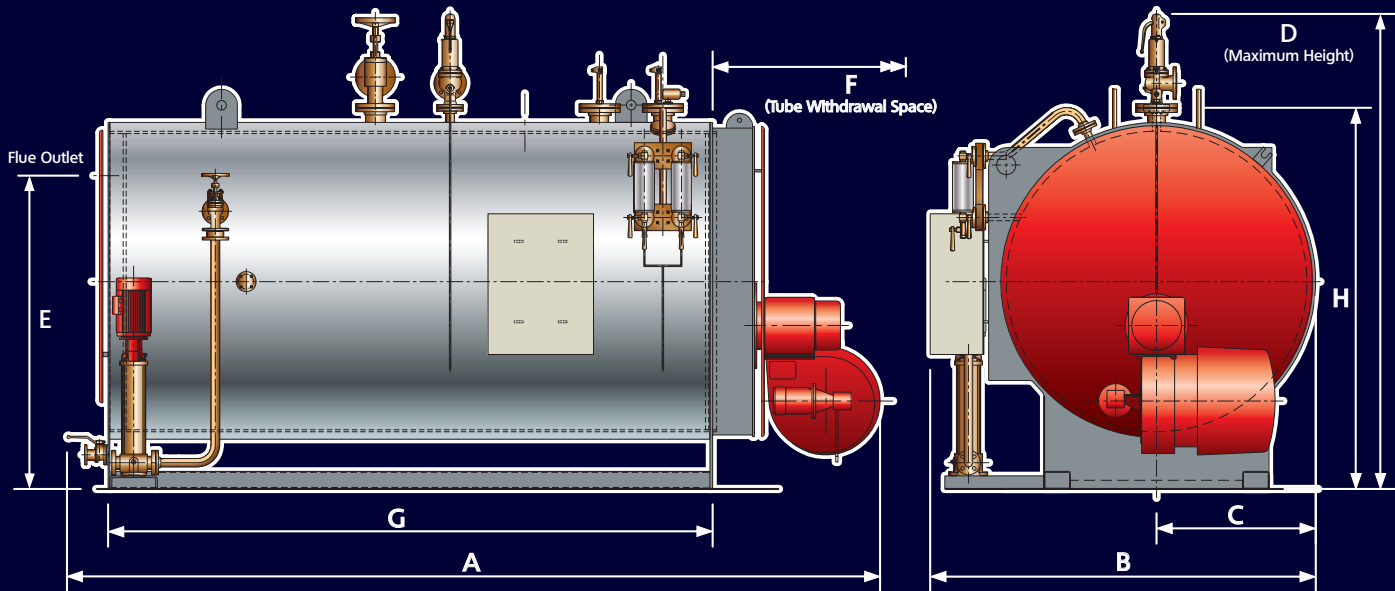


# Cochran Steam Boiler

Model:  
Borderer

The Cochran Borderer steam boiler utilises a full wet back design for maximum efficiency. A key feature of the Borderer series is the boilers' compact design. The small footprint makes it ideal for a wide range of commercial and light industrial applications such as laundries, hotels and small to medium manufacturing sites. The Borderer also features Cochran's low NOx, low noise combustion package as standard in combination with a wide range of control options, allowing maximum flexibility.



Ratings (F&A 100°C): From 50 kg/hr to 6800 kg/hr (110 lb/hr to 15000 lb/hr / 31 kW to 4263 kW).

Standard Working Pressures: 6.9 Bar and 10.34 Bar. All steam boiler designs are available from 6 Bar up to 28 Bar.

|                        |        |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       |      |      |
|------------------------|--------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|
| Evaporation            | kW     | 284  | 357  | 427  | 570  | 714  | 853  | 995  | 1137 | 1422 | 1706 | 2275  | 2844  | 3134  | 3510  | 3761  | 3949  | 4263  |      |      |
| F&A 100°C (212°F)      | kg/h   | 455  | 570  | 680  | 910  | 1140 | 1360 | 1588 | 1815 | 2268 | 2720 | 3630  | 4535  | 5000  | 5600  | 6000  | 6300  | 6800  |      |      |
|                        | lb/h   | 1000 | 1255 | 1500 | 2005 | 2510 | 3000 | 3500 | 4000 | 5000 | 6000 | 8000  | 10000 | 11025 | 12348 | 13230 | 13891 | 14994 |      |      |
| Dimensions             | Oil    | A    | mm   | 2885 | 3085 | 3085 | 3185 | 3285 | 3335 | 3385 | 3435 | 3908  | 4264  | 4478  | 4765  | 4961  | 4951  | 4731  | 4968 | 5168 |
|                        | Gas    | A    | mm   | 2753 | 2953 | 2953 | 3205 | 3305 | 3547 | 3619 | 3669 | 4129  | 4370  | 4773  | 4873  | 5069  | 5059  | 4942  | 4968 | 5168 |
|                        | B      | mm   | 1423 | 1505 | 1500 | 1540 | 1660 | 1633 | 1678 | 1760 | 1828 | 1955  | 2155  | 2403  | 2487  | 2496  | 2599  | 2575  | 2598 |      |
|                        | C      | mm   | 580  | 580  | 595  | 615  | 675  | 675  | 688  | 725  | 760  | 805   | 905   | 1010  | 1055  | 1064  | 1125  | 1099  | 1124 |      |
|                        | D      | mm   | 1774 | 1774 | 1804 | 1862 | 2062 | 2116 | 2141 | 2216 | 2330 | 2420  | 2698  | 2908  | 3054  | 3073  | 3195  | 3273  | 3138 |      |
|                        | E      | mm   | 1168 | 1159 | 1180 | 1208 | 1395 | 1383 | 1395 | 1465 | 1528 | 1593  | 1768  | 1960  | 2042  | 2056  | 2170  | 2241  | 2096 |      |
|                        | F      | mm   | 1465 | 1665 | 1665 | 1765 | 1865 | 2065 | 2115 | 2165 | 2625 | 2960  | 3195  | 3295  | 3491  | 3481  | 3545  | 3571  | 3771 |      |
|                        | G      | mm   | 1610 | 1810 | 1810 | 1910 | 2010 | 2210 | 2260 | 2310 | 2770 | 3085  | 3340  | 3440  | 3636  | 3626  | 3690  | 3716  | 3916 |      |
|                        | H      | mm   | 1483 | 1438 | 1468 | 1508 | 1708 | 1708 | 1733 | 1808 | 1878 | 1968  | 2168  | 2378  | 2467  | 2486  | 2608  | 2686  | 2551 |      |
| Rec. Chimney Dia.      | mm     | 145  | 162  | 180  | 205  | 230  | 255  | 280  | 290  | 305  | 355  | 405   | 440   | 455   | 465   | 480   | 495   | 515   |      |      |
| Sfy.Valve Exh.Dia.     | BSP/mm | 32   | 32   | 32   | 32   | 32   | 40   | 40   | 40   | 40   | 50   | 65    | 65    | 80    | 80    | 80    | 80    | 80    |      |      |
| Strm. Stop Valve Dia.  | BSP/mm | 40   | 40   | 40   | 50   | 50   | 65   | 65   | 65   | 80   | 80   | 100   | 100   | 125   | 125   | 125   | 125   | 125   |      |      |
| Blow Down Valve Dia.   | mm     | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25    | 25    | 25    | 50    | 50    | 50    | 50    |      |      |
| Feed Water Inlet Dia.  | mm     | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 32   | 32    | 32    | 32    | 32    | 40    | 40    | 40    |      |      |
| Weight - Empty         | Tonne  | 1.76 | 1.86 | 2.04 | 2.36 | 2.77 | 2.99 | 3.35 | 3.75 | 4.47 | 5.59 | 7.65  | 9.08  | 11.77 | 13.04 | 15.06 | 15.95 | 16.62 |      |      |
| Weight to NWL          | Tonne  | 2.49 | 2.64 | 2.86 | 3.25 | 3.93 | 4.20 | 4.61 | 5.22 | 6.45 | 7.96 | 10.98 | 13.28 | 18.83 | 21.51 | 25.03 | 26.91 | 27.51 |      |      |
| Weight - Full of Water | Tonne  | 2.64 | 2.81 | 3.05 | 3.46 | 4.20 | 4.50 | 4.93 | 5.59 | 6.94 | 8.59 | 11.88 | 14.60 | 21.03 | 24.35 | 28.53 | 30.71 | 32.18 |      |      |

Note: All Dimensions and weights are approximate only and are based on a boiler working pressure of 10.34 Bar G.

+44(0) 1461 202 111 [www.cochran.co.uk](http://www.cochran.co.uk)

Cochran Ltd Newbie Works, Annan, Dumfries & Galloway, UK DG12 5QU.

©2013 Cochran Ltd. Version 2 07/2013

