



**SYSCHEM CONTROLS PVT. LTD.**

# Pressure Temperature Rating

| Class | Temp °F    | A216 WCB | A217 C5 | A217 WC6 | A217 WC9 | A352 LCB | A352 LC3 |
|-------|------------|----------|---------|----------|----------|----------|----------|
| 150   | -20 to 100 | 285      | 290     | 290      | 290      | 265      | 290      |
|       | 200        | 260      | 260     | 260      | 260      | 250      | 260      |
|       | 300        | 230      | 230     | 230      | 230      | 230      | 230      |
|       | 400        | 200      | 200     | 200      | 200      | 200      | 200      |
|       | 500        | 170      | 170     | 170      | 170      | 170      | 170      |
|       | 600        | 140      | 140     | 140      | 140      | 140      | 140      |
|       | 650        | 125      | 125     | 125      | 125      | 125      | 125      |
|       | 700        | 110      | 110     | 110      | 110      | -        | -        |
|       | 750        | 95       | 95      | 95       | 95       | -        | -        |
|       | 800        | 80       | 80      | 80       | 80       | -        | -        |
|       | 850        | 65       | 65      | 65       | 65       | -        | -        |
|       | 900        | 50       | 50      | 50       | 50       | -        | -        |
|       | 950        | 35       | 35      | 35       | 35       | -        | -        |
|       | 1000       | 20       | 20      | 20       | 20       | -        | -        |
| 300   | -20 to 100 | 740      | 750     | 750      | 750      | 695      | 750      |
|       | 200        | 675      | 750     | 710      | 715      | 655      | 750      |
|       | 300        | 655      | 730     | 675      | 675      | 640      | 730      |
|       | 400        | 635      | 705     | 660      | 660      | 620      | 705      |
|       | 500        | 600      | 665     | 640      | 640      | 585      | 665      |
|       | 600        | 550      | 605     | 605      | 605      | 535      | 605      |
|       | 650        | 535      | 590     | 590      | 590      | 525      | 590      |
|       | 700        | 535      | 570     | 570      | 570      | -        | -        |
|       | 750        | 505      | 530     | 530      | 530      | -        | -        |
|       | 800        | 410      | 500     | 510      | 510      | -        | -        |
|       | 850        | 270      | 440     | 485      | 485      | -        | -        |
|       | 900        | 170      | 355     | 450      | 450      | -        | -        |
|       | 950        | 105      | 260     | 380      | 380      | -        | -        |
|       | 1000       | 50       | 190     | 225      | 270      | -        | -        |
| 600   | -20 to 100 | 1480     | 1500    | 1500     | 1500     | 1390     | 1500     |
|       | 200        | 1350     | 1500    | 1425     | 1430     | 1315     | 1500     |
|       | 300        | 1315     | 1455    | 1345     | 1355     | 1275     | 1455     |
|       | 400        | 270      | 1410    | 1315     | 1295     | 1235     | 1410     |
|       | 500        | 1200     | 1330    | 1285     | 1280     | 1165     | 1330     |
|       | 600        | 1095     | 1210    | 1210     | 1210     | 1065     | 1210     |
|       | 650        | 1075     | 1175    | 1175     | 1175     | 1045     | 1175     |
|       | 700        | 1065     | 1135    | 1135     | 1135     | -        | -        |
|       | 750        | 1010     | 1065    | 1065     | 1065     | -        | -        |
|       | 800        | 825      | 995     | 1015     | 1015     | -        | -        |
|       | 850        | 535      | 880     | 975      | 975      | -        | -        |
|       | 900        | 345      | 705     | 900      | 900      | -        | -        |
|       | 950        | 205      | 520     | 755      | 755      | -        | -        |
|       | 1000       | 105      | 385     | 445      | 445      | -        | -        |

| Class | Temp °F    | A216 WCB | A217 C5 | A217 WC6 | A217 WC9 | A352 LCB | A352 LC3 |
|-------|------------|----------|---------|----------|----------|----------|----------|
| 900   | -20 to 100 | 2200     | 2250    | 2250     | 2250     | 2085     | 2250     |
|       | 200        | 2025     | 2250    | 2135     | 2150     | 1970     | 2250     |
|       | 300        | 1970     | 2185    | 2020     | 2030     | 1915     | 2185     |
|       | 400        | 1900     | 2115    | 1975     | 1945     | 1850     | 2115     |
|       | 500        | 1840     | 1995    | 1925     | 1920     | 1745     | 1995     |
|       | 600        | 1640     | 1815    | 1815     | 1815     | 1600     | 1815     |
|       | 650        | 1610     | 1765    | 1765     | 1765     | 1570     | 1765     |
|       | 700        | 1600     | 1705    | 1705     | 1705     | -        | -        |
|       | 750        | 1510     | 1595    | 1595     | 1595     | -        | -        |
|       | 800        | 1235     | 1490    | 1525     | 1525     | -        | -        |
|       | 850        | 805      | 1315    | 1460     | 1460     | -        | -        |
|       | 900        | 510      | 1060    | 1350     | 1350     | -        | -        |
|       | 950        | 310      | 780     | 1130     | 1130     | -        | -        |
|       | 1000       | 155      | 575     | 670      | 805      | -        | -        |
| 1500  | -20 to 100 | 3705     | 3750    | 3750     | 3750     | 3470     | 3750     |
|       | 200        | 3375     | 3750    | 3560     | 3580     | 3280     | 3750     |
|       | 300        | 3280     | 3640    | 3365     | 3385     | 3190     | 3640     |
|       | 400        | 3170     | 3530    | 3290     | 3240     | 3085     | 3530     |
|       | 500        | 2995     | 3325    | 3210     | 3200     | 2910     | 3325     |
|       | 600        | 2735     | 3025    | 3025     | 3025     | 2665     | 3025     |
|       | 650        | 2685     | 2940    | 2940     | 2940     | 2615     | 2940     |
|       | 700        | 2665     | 2840    | 2840     | 2840     | -        | -        |
|       | 750        | 2520     | 2660    | 2660     | 2660     | -        | -        |
|       | 800        | 2060     | 2485    | 2540     | 2540     | -        | -        |
|       | 850        | 1340     | 2195    | 2435     | 2435     | -        | -        |
|       | 900        | 860      | 1765    | 2245     | 2245     | -        | -        |
|       | 950        | 515      | 1305    | 1885     | 1885     | -        | -        |
|       | 1000       | 260      | 960     | 1115     | 1340     | -        | -        |
| 2500  | -20 to 100 | 6170     | 6250    | 6250     | 6250     | 5785     | 6250     |
|       | 200        | 5625     | 6205    | 6250     | 6250     | 5470     | 6250     |
|       | 300        | 5470     | 5965    | 6015     | 6070     | 5315     | 6070     |
|       | 400        | 5280     | 5880    | 5775     | 5880     | 5145     | 2880     |
|       | 500        | 4990     | 5540    | 5540     | 5540     | 4850     | 5540     |
|       | 600        | 4560     | 5040    | 5040     | 5040     | 4440     | 5040     |
|       | 650        | 4475     | 4905    | 4905     | 4905     | 4355     | 4905     |
|       | 700        | 4440     | 4730    | 4730     | 4730     | -        | -        |
|       | 750        | 4200     | 4400    | 4430     | 4430     | -        | -        |
|       | 800        | 3430     | 4230    | 4230     | 4230     | -        | -        |
|       | 850        | 2230     | 4030    | 4060     | 4060     | -        | -        |
|       | 900        | 1430     | 3085    | 3745     | 3745     | -        | -        |
|       | 950        | 860      | 2285    | 2655     | 3145     | -        | -        |
|       | 1000       | 430      | 1655    | 1800     | 2170     | -        | -        |

Reference: ASME B16.34

WCB not recommended for prolonged use above 800 F