U2 Burner Setup & Tuning (new ABT burners & BPI overfire air) following U2 Outage & Installation 04-0418

| PARAMETER | PT ID | UNITS | Test 19 | Test 20 | Test 21 | Test 22 | Test 23 | Test 24 | Test 25 | Test 26 | Test 27 | Test 28 | Test 29 | Test 30 | Test 31 | Test 32 | Test 33 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| start time | | | 4/27/04 10 45 | 4/27/04 12 45 | 4/28/04 9 45 | 4/28/04 13 15 | 4/29/04 8 00 | 4/29/04 13 00 | 4/30/04 7 45 | 4/30/04 14 45 | 5/3/04 8 30 | 5/3/04 13 30 | 5/3/04 14 45 | 5/4/04 7 30 | 5/4/04 12 15 | 5/4/04 14 30 | 5/7/04 11 00 |
| end time | | | 4/27/04 11 15 | 4/27/04 15 30 | 4/28/04 12 00 | 4/28/04 15 30 | 4/29/04 11 45 | 4/29/04 15 30 | 4/30/04 8 45 | 4/30/04 15 30 | 5/3/04 9 15 | 5/3/04 14 15 | 5/3/04 15 15 | 5/4/04 8 00 | 5/4/04 12 45 | 5/4/04 15 30 | 5/7/04 12 45 |
| Test Conditions | | | burner settings 9" OR 3 75" spin 4th hole inner | burner settings calc #1 OR 3 75" spin 4th hole inner | burner settings calc #1 OR 3 75" spin 4th hole inner | burner settings calc #1 OR, 3 75" spin 4th hole inner | burner settings calc #1 OR 3 75' spin 4th hole inner | burner settings calc #1 OR 3 75' spin 4th hole inner | burner settings calc #1 OR 3 75" spin 4th hole inner | burner settings calc #2 OR 3 75" spin 4th hole inner | burner settings calc #3 OR 3 75' spin 4th hole inner | burner settings calc #4 OR 3 75' spin 4th hole inner | burner settings calc #5 OR 3 75" spin 4th hole inner | burner settings calc #5 OR 3 75" spin 4th hole inner | burner settings calc #5 OR 3 75 spin 4th hole inner | burner settings 7" OR, 3 75" spin 4th hole inner | burner settings 7" OR, 3 75" spin 4th hole inner |
| GROSS CAPACITY | COAXI027A | MW | 938 78 | 930 77 | 950 07 | 950 12 | 949 94 | 950 02 | 950 50 | 950 50 | 941 70 | 935 98 | 938 17 | 944 85 | 939 26 | 950 42 | 948 04 |
| Load net | | | | | | | | | | | | | | | | | |
| Pulv Status | | | All pulv i/s | All pulv i/s | C Pulv o/s | D Pulv o/s | E Pulv o/s | A Pulv o/s | H Pulv o/s | H Pulv o/s | G Pulv o/s | G Pulv o/s | G Pulv o/s | B Pulv o/s | D Pulv o/s | D Pulv o/s | F Pulv o/s |
| **BOILER** | | | | | | | | | | | | | | | | | |
| BOILER EFF (HL Method) | 2SGAPX3550 | % | 89 13 | 89 09 | 89 17 | 89 50 | 89 57 | 89 45 | 89 70 | 89 09 | 89 18 | 88 63 | 88 53 | 89 14 | 88 84 | 88 77 | 89 20 |
| BOILER EFF (Input-Output Method) | 2SGAPX3561 | % | 88 93 | 89 58 | 89 30 | 91 17 | 91 33 | 90 86 | 90 68 | 91 51 | 89 95 | 90 40 | 92 00 | 91 89 | 93 42 | 92 18 | 86 84 |
| BLOWDOWN FLOW | 2SGAPE116F | KPPH | 0 00 | 0 00 | 0 00 | 0 80 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 02 | 0 00 | 0 00 | 0 88 | 0 30 | 12 37 |
| SH SPRAY FLOW | 2COAXI022A | KPPH | 112 59 | 130 20 | 123 35 | 134 70 | 172 84 | 114 67 | 114 88 | 120 38 | 235 33 | 224 23 | 257 61 | 388 59 | 244 25 | 178 80 | 170 01 |
| PMAX SH SPRAY FLOW | 2SGAPX3033 | KPPH | 119 21 | 142 10 | 121 79 | 129 62 | 188 52 | 115 78 | 112 19 | 146 58 | 246 22 | 232 31 | 280 54 | 370 98 | 244 65 | 180 29 | 168 38 |
| RH SPRAY FLOW | 2COAXI108A | KPPH | 0 00 | 0 00 | 0 01 | 0 00 | 0 13 | 0 00 | 0 02 | 0 00 | 0 22 | 0 00 | 0 00 | 21 58 | 0 30 | 0 00 | 0 08 |
| PMAX RH SPRAY FLOW | 2SGAPX3918 | KPPH | 65 27 | 87 51 | 0 00 | 0 00 | 1 95 | 5 23 | 18 74 | 23 90 | 2 12 | 3 25 | 3 50 | 40 45 | 0 00 | 0 00 | 0 00 |
| TOTAL AIR FLOW | 2COAXI078S | % | 80 2 | 80 1 | 83 5 | 83 0 | 80 1 | 80 1 | 83 2 | 83 2 | 78 7 | 80 4 | 80 4 | 80 4 | 81 6 | 86 8 | 85 4 |
| EXCESS AIR (CALC'D) | 2SGBPX3512 | % | 16 66 | 18 14 | 16 02 | 15 15 | 18 35 | 17 92 | 13 57 | 17 08 | 16 89 | 15 00 | 14 12 | 16 27 | 16 73 | 16 84 | 19 09 |
| TOTAL FUEL FLOW | 2COAXI001A | TPH | 370 8 | 364 2 | 372 4 | 367 1 | 367 7 | 365 0 | 365 4 | 365 0 | 370 3 | 367 3 | 364 8 | 369 9 | 355 7 | 361 6 | 368 9 |
| PMAX BACKCALC COAL FLOW | 2SGAPX3504 | TPH | 363 2 | 359 5 | 366 7 | 365 8 | 363 2 | 363 0 | 361 8 | 367 4 | 360 7 | 363 1 | 365 0 | 360 0 | 362 7 | 368 0 | 350 2 |
| REHEAT DAMPER POS | 2COAXI136A | % | 59 5 | 71 6 | 59 0 | 94 6 | 47 4 | 47 2 | 91 9 | 98 1 | 30 2 | 27 4 | 27 4 | 52 0 | 38 7 | 30 8 | 60 0 |
| SUPERHEAT DAMPER POS | 2COAXI135A | % | 100 0 | 100 0 | 100 0 | 100 0 | 100 0 | 100 0 | 100 0 | 100 0 | 100 0 | 100 0 | 100 0 | 75 5 | 90 1 | 92 5 | 94 9 |
| BOILER DUTY (HEAT INPUT) | CALC | MBTU/HR | 8517 | 8366 | 8555 | 8431 | 8445 | 8385 | 8392 | 8384 | 8835 | 8765 | 8380 | 8498 | 8488 | 8630 | #VALUE! |
| **COAL AS-FIRED** | | | | | | | | | | | | | | | | | |
| HHVC | 9CHEKT0001 | BTU/LB | 11 485 | 11 485 | 11 485 | 11 485 | 11 485 | 11,485 | 11 485 | 11 485 | 11,932 | 11,932 | 11 485 | 11 485 | 11 931 | 11 931 | |
| % TOTAL MOISTURE | 9CHEKT0005 | % | 9 50 | 9 50 | 9 50 | 9 50 | 9 50 | 9 50 | 9 50 | 9 50 | 8 10 | 8 10 | 9 50 | 9 50 | 8 10 | 8 10 | |
| % ASH | 9CHEKT0006 | % | 9 24 | 9 24 | 9 24 | 9 24 | 9 24 | 9 24 | 9 24 | 9 24 | 9 18 | 9 18 | 9 24 | 9 24 | 9 18 | 9 16 | |
| % SULFUR | 9CHEKT0007 | % | 0 37 | 0 37 | 0 37 | 0 37 | 0 37 | 0 37 | 0 37 | 0 37 | 0 53 | 0 53 | 0 37 | 0 37 | 0 53 | 0 53 | |
| % CARBON | 9CHEKT0009 | % | 64 32 | 64 32 | 64 32 | 64 32 | 64 32 | 64 32 | 64 32 | 64 32 | 66 68 | 66 68 | 64 32 | 64 32 | 66 68 | 66 68 | |
| % HYDROGEN | 9CHEKT0010 | % | 4 58 | 4 58 | 4 58 | 4 58 | 4 58 | 4 58 | 4 58 | 4 58 | 4 69 | 4 69 | 4 58 | 4 58 | 4 69 | 4 69 | |
| % NITROGEN | 9CHEKT0011 | % | 1 29 | 1 29 | 1 29 | 1 29 | 1 29 | 1 29 | 1 29 | 1 29 | 1 45 | 1 45 | 1 29 | 1 29 | 1 45 | 1 45 | |
| % OXYGEN | 9CHEKT0012 | % | 10 70 | 10 70 | 10 70 | 10 70 | 10 70 | 10 70 | 10 70 | 10 70 | 9 37 | 9 37 | 10 70 | 10 70 | 9 36 | 9 36 | |
| **ASH** | | | | | | | | | | | | | | | | | |
| FLY ASH LOI TOTAL | MANUAL | % | | | | | | | | | | | | | | | |
| FLY ASH LOI EAST | MANUAL | % | | | | | | | | | | | | | | | |
| FLY ASH LOI WEST | MANUAL | % | | | | | | | | | | | | | | | |
| **BOILER CONDITIONS** | Pulv O/s | manual | All pulv i/s | All pulv i/s | C Pulv o/s | D Pulv o/s | E Pulv o/s | A Pulv o/s | H Pulv o/s | H Pulv o/s | G Pulv o/s | G Pulv o/s | G Pulv o/s | B Pulv o/s | D Pulv o/s | D Pulv o/s | F Pulv o/s |
| EAST FLUE GAS O2 | 2COAXI079A | % | 2 7 | 2 7 | 3 0 | 2 6 | 3 6 | 3 1 | 2 9 | 2 8 | 2 0 | 2 6 | 2 5 | 3 1 | 3 2 | 2 9 | 3 4 |
| EAST FLUE GAS O2 (GRID) | MANUAL | % | 3 2 | 3 5 | 4 4 | 3 7 | 3 9 | 3 1 | 3 6 | 3 5 | 2 3 | 2 8 | 2 9 | 3 2 | 3 8 | 4 5 | 4 5 |
| EAST FLUE GAS CO (GRID) | MANUAL | ppm | 19 0 | 12 2 | 233 1 | 113 5 | 96 5 | 214 2 | 41 4 | 60 0 | 736 9 | 348 7 | 457 5 | 274 4 | 156 2 | 47 1 | 3 7 |
| EAST FLUE GAS CO2 (GRID) | MANUAL | % | 15 2 | 14 6 | 13 9 | 14 9 | 13 6 | 14 2 | 15 4 | 15 5 | 15 7 | 14 9 | 14 6 | 15 7 | 15 1 | 19 31(BAD) | 14 2 |
| WEST FLUE GAS O2 | 2COAXI080A | % | 2 9 | 3 2 | 2 8 | 2 4 | 2 5 | 2 8 | 2 2 | 3 6 | 3 9 | 3 7 | 4 1 | 2 3 | 2 2 | 3 1 | 2 6 |
| WEST FLUE GAS O2 (GRID) | MANUAL | % | 3 5 | 3 9 | 3 2 | 3 7 | 2 5 | 3 0 | 3 4 | 4 2 | 3 6 | 3 6 | 3 8 | 2 8 | 2 5 | 3 3 | 2 5 |
| WEST FLUE GAS CO (GRID) | MANUAL | ppm | 47 6 | 22 0 | 527 9 | 287 1 | 1228 6 | 859 9 | 303 7 | 78 3 | 924 8 | 849 4 | 734 3 | 1212 2 | 1225 9 | 744 8 | 1224 9 |
| WEST FLUE GAS CO2 (GRID) | MANUAL | % | 14 6 | 14 2 | 14 7 | 14 5 | 15 2 | 14 8 | 15 2 | 14 6 | 15 1 | 14 9 | 14 7 | 15 6 | 15 7 | 15 2 | 15 7 |
| SELECTED ECON OUT O2 | 2COAXI187A | % | 2 8 | 3 0 | 2 9 | 2 5 | 3 1 | 3 0 | 2 6 | 3 2 | 3 0 | 3 1 | 3 3 | 2 7 | 2 7 | 3 0 | 3 0 |
| SCRUB INLET SO2 | 2SAAKK0002 | PPM | 317 0 | 334 5 | 281 6 | 294 5 | 408 0 | 408 3 | 397 2 | 405 9 | 289 0 | 317 1 | 311 6 | 342 8 | 361 4 | 345 7 | 346 9 |
| STACK NOX | 2SAAKK0006 | PPM | 187 1 | 194 2 | 161 6 | 165 0 | 190 8 | 185 1 | 181 9 | 197 3 | 151 3 | 165 6 | 165 9 | 170 6 | 154 5 | 198 4 | 184 3 |
| STACK NOX CONVERTED | 2SAAKK0007 | PPM | 0 32 | 0 34 | 0 28 | 0 29 | 0 32 | 0 31 | 0 33 | 0 34 | 0 28 | 0 28 | 0 29 | 0 29 | 0 27 | 0 36 | 0 32 |
| STACK CO | MANUAL | ppm | [illegible] | 12 8 | 419 6 | 250 8 | 1011 5 | 696 2 | 161 7 | 88 0 | | 782 4 | 552 8 | 864 2 | 1144 5 | 811 2 | 999 2 |
| STACK O2 | MANUAL | % | 5 6 | 5 8 | 5 6 | 5 5 | 5 2 | 5 3 | 5 7 | 5 8 | | 5 2 | 5 3 | 5 4 | 5 6 | 6 1 | 6 2 |
| O2 TRIM SETPOINT | 2COAXI220A | % | 53 22 | 55 47 | 58 07 | 59 51 | 54 36 | 55 56 | 60 48 | 60 48 | 49 07 | 55 16 | 56 18 | 54 20 | 61 97 | 67 28 | 62 08 |
| CEM STACK VOL FLOW | 2SAAKK0016 | MSCFH | 138 70 | 137 94 | 141 03 | 139 96 | 134 02 | 135 57 | 141 41 | 141 23 | 136 23 | 137 57 | 138 53 | 137 82 | 138 69 | 144 65 | 149 38 |
| PMAX CALC STACK VOL FLOW | 2SGAPX3903 | MSCFH | 135 63 | 133 96 | 139 40 | 134 09 | 136 66 | 135 04 | 131 61 | 136 40 | 136 46 | 136 96 | 137 54 | 134 75 | 129 98 | 134 14 | 140 86 |
| PMAX BLR GAS FLOW | 2SGAPX3520 | LB/HR | 8 008 047 | 7 908 039 | 8 074,831 | 7 781 138 | 8 020 430 | 7 919 689 | 7 785 555 | 8,042 359 | 8 055,074 | 8 041 602 | 8 064 948 | 7 920 727 | 7 630 408 | 7 856 305 | 8,338,547 |
| PMAX BLR AIR FLOW RATE | 2SGAPX3522 | LB/HR | 7,335,344 | 7 247 292 | 7 389 134 | 7 115 189 | 7 353 483 | 7 257,401 | 7,122 589 | 7 379 924 | 7 383 466 | 7 375 029 | 7 403 186 | 7 251 068 | 6 985,074 | 7 200,422 | 7 668 554 |
| SCRUB INLET NOX | 2SAAKK0010 | PPM | 199 84 | 208 91 | 172 53 | 174 69 | 202 07 | 198 45 | 199 44 | 207 94 | 156 84 | 176 64 | 177 73 | 180 08 | 163 54 | 210 37 | 200 10 |
| SCRUB INLET SO2 | 2SAAKK0003 | #/mbtu | 0 72 | 0 77 | 0 66 | 0 68 | 0 91 | 0 91 | 0 93 | 0 93 | 0 64 | 0 72 | 0 71 | 0 79 | 0 84 | 0 82 | 0 81 |
| U1 SCRUB INLET SO2 | 1SAAKK0002 | PPM | 333 36 | 353 82 | 321 79 | 329 52 | 431 54 | 428 48 | 412 97 | 426 87 | 295 72 | 330 23 | 328 00 | 382 34 | 381 55 | 377 66 | 378 28 |
| U1 SCRUB INLET SO2 | 1SAAKK0003 | #/mbtu | 0 73 | 0 78 | 0 70 | 0 71 | 0 91 | 0 90 | 0 91 | 0 82 | 0 63 | 0 71 | 0 71 | 0 82 | 0 83 | 0 83 | 0 82 |
| Scrub In CO2 | 2SAAKK0012 | % | 13 05 | 12 92 | 12 71 | 12 85 | 13 32 | 13 42 | 12 80 | 13 05 | 13 38 | 13 06 | 13 03 | 12 96 | 12 83 | 12 60 | 12 73 |
| Stack CO2 | 2SAAKK0015 | % | 12 47 | 12 28 | 12 30 | 12 37 | 12 77 | 12 77 | 12 48 | 12 43 | 12 74 | 12 52 | 12 40 | 12 48 | 12 28 | 11 97 | 12 22 |
| SA FLOW EAST % | 2COAXI076R | % | 72 66 | 72 51 | 76 39 | 75 65 | 73 21 | 73 23 | 76 27 | 76 12 | 71 36 | 72 95 | 73 05 | 72 96 | 73 82 | 78 94 | 78 18 |
| SA FLOW West % | 2COAXI077R | % | 73 03 | 72 61 | 75 58 | 75 42 | 72 56 | 72 53 | 75 51 | 75 58 | 71 29 | 72 92 | 73 20 | 72 68 | 74 31 | 79 15 | 77 66 |
| TOTAL AIR % | 2COAXI078S | % | 80 22 | 80 05 | 83 46 | 83 02 | 80 08 | 80 09 | 83 16 | 83 15 | 78 65 | 80 44 | 80 37 | 80 43 | 81 56 | 86 84 | 85 45 |
| E WINDBOX PRESS | 2SGAPT0176 | psig | 2 58 | 2 67 | 3 85 | 3 72 | 0 00 | 3 17 | 3 51 | 4 70 | 3 73 | 4 59 | 5 01 | 5 05 | 4 91 | 5 05 | 4 49 |
| A WINDBOX PRESS | 2SGAPT0175 | psig | 2 36 | 2 43 | 3 80 | 3 70 | 3 01 | 0 09 | 3 43 | 4 61 | 3 59 | 4 42 | 4 84 | 4 93 | 4 84 | 5 06 | 4 40 |
| F WINDBOX PRESS | 2SGAPT0174 | psig | 2 48 | 2 54 | 3 78 | 3 65 | 3 25 | 3 24 | 3 39 | 4 56 | 3 58 | 4 47 | 4 89 | 4 65 | 4 73 | 4 83 | 0 04 |
| B WINDBOX PRESS | 2SGAPT0173 | psig | 2 01 | 2 01 | 3 36 | 3 26 | 2 88 | 2 87 | 3 00 | 4 07 | 3 16 | 4 00 | 4 42 | 0 05 | 4 29 | 4 66 | 3 45 |
| D WINDBOX PRESS | 2SGAPT0180 | psig | 2 43 | 2 48 | 3 71 | 0 01 | 3 22 | 3 21 | 3 16 | 4 30 | 3 61 | 4 44 | 4 88 | 4 92 | 2 23 | 0 03 | 4 41 |
| H WINDBOX PRESS | 2SGAPT0179 | psig | 2 31 | 2 32 | 3 71 | 3 37 | 3 16 | 3 15 | 0 43 | 0 00 | 3 47 | 4 25 | 4 66 | 4 73 | 4 44 | 4 77 | 4 37 |
| C WINDBOX PRESS | 2SGAPT0178 | psig | 2 67 | 2 70 | 0 00 | 3 84 | 3 40 | 3 39 | 3 57 | 4 86 | 3 74 | 4 61 | 5 05 | 5 13 | 4 93 | 5 38 | 4 52 |
| G WINDBOX PRESS | 2SGAPT0177 | psig | 2 04 | 2 07 | 2 10 | 2 66 | 2 29 | 2 29 | 2 44 | 3 49 | 0 03 | 0 00 | 0 00 | 3 49 | 3 54 | 4 02 | 3 31 |
| SA Duct East PRESS | 2SGBPT0256 | psig | 2 46 | 2 57 | 2 93 | 2 91 | 2 63 | 2 62 | 2 77 | 3 42 | 2 75 | 3 22 | 3 52 | 3 42 | 3 45 | 3 86 | 3 37 |
| SA Duct West PRESS | 2SGBPT0257 | psig | 2 66 | 2 72 | 3 05 | 3 10 | 2 86 | 2 84 | 2 96 | 3 56 | 2 87 | 3 40 | 3 63 | 3 55 | 3 62 | 4 09 | 3 55 |
| Coal Bias Pulv A | 2COAXI221A | % | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 2 90 | -2 90 | -2 90 | 0 00 | 0 00 | 0 00 | 0 00 |
| Coal Bias Pulv B | 2COAXI222A | % | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 3 90 |
| Coal Bias Pulv C | 2COAXI223A | % | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | -4 10 | 0 00 | 2 00 |
| Coal Bias Pulv D | 2COAXI224A | % | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 5 00 | 5 00 | 0 00 | 0 00 |
| Coal Bias Pulv E | 2COAXI225A | % | 0 00 | 0 00 | -4 00 | -4 00 | 4 00 | 4 00 | -4 00 | 4 00 | 4 90 | 4 90 | -4 90 | 4 50 | 4 50 | -4 50 | 5 10 |
| Coal Bias Pulv F | 2COAXI226A | % | 0 00 | 0 00 | -4 00 | -4 00 | -4 00 | -4 00 | -4 00 | -4 00 | -6 00 | -6 00 | -6 00 | -6 00 | 6 00 | -6 90 | 2 00 |
| Coal Bias Pulv G | 2COAXI227A | % | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 5 00 | 5 00 | 5 50 | 5 50 |
| Coal Bias Pulv H | 2COAXI228A | % | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 2 80 | 2 80 | 2 80 | 0 00 | 0 00 | 0 00 | 0 00 |
| PA Bias Pulv A | 2COAXI211A | % | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 6 60 | 8 60 | 6 60 | 0 00 | 0 00 | 0 00 | 3 00 |
| PA Bias Pulv B | 2COAXI212A | % | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 4 07 | 4 07 | 4 07 | 4 07 | 4 07 | 2 60 | 6 20 |
| PA Bias Pulv C | 2COAXI213A | % | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 8 10 | 3 00 | 3 00 | 3 00 | 3 00 | 5 97 | 4 44 | 3 01 |
| PA Bias Pulv D | 2COAXI214A | % | 0 00 | 0 00 | 0 00 | 0 00 | 2 11 | 2 11 | 1 00 | 5 08 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 |
| PA Bias Pulv E | 2COAXI215A | % | 0 00 | 0 00 | 1 45 | 3 01 | 3 01 | 3 06 | 3 06 | 3 06 | 5 10 | 5 10 | 5 10 | 6 90 | 6 90 | 4 41 | 5 87 |
| PA Bias Pulv F | 2COAXI216A | % | 0 00 | 0 00 | 2 83 | 4 50 | 6 54 | 6 54 | 6 54 | 6 54 | 5 10 | 5 10 | 5 10 | 0 00 | 2 86 | 2 86 | 2 31 |
| PA Bias Pulv G | 2COAXI217A | % | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 |
| PA Bias Pulv H | 2COAXI218A | % | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 6 38 | 6 38 | 4 44 | 2 84 |
| SA Damper Pos Pulv A | 2COAKS007A | % | 61 11 | 59 69 | 77 39 | 74 25 | 74 31 | 19 71 | 74 10 | 73 59 | 74 00 | 72 71 | 72 09 | 75 65 | 71 61 | 72 49 | 74 16 |
| SA Damper Pos Pulv B | 2COAKS003A | % | 61 06 | 59 70 | 77 43 | 74 23 | 74 31 | 74 29 | 74 07 | 73 56 | 77 32 | 76 29 | 75 77 | 23 00 | 71 64 | 72 46 | 69 09 |
| SA Damper Pos Pulv C | 2COAKS005A | % | 65 57 | 64 12 | 22 06 | 78 73 | 78 76 | 78 72 | 78 50 | 78 07 | 81 77 | 80 67 | 80 28 | 80 13 | 70 64 | 76 89 | 75 97 |
| SA Damper Pos Pulv D | 2COAKS009A | % | 65 10 | 63 69 | 81 40 | 24 61 | 78 29 | 78 22 | 78 06 | 77 50 | 81 39 | 80 22 | 79 88 | 84 84 | 40 59 | 18 38 | 78 12 |
| SA Damper Pos Pulv E | 2COAKS010A | % | 65 56 | 64 15 | 76 97 | 73 52 | 19 00 | 73 51 | 73 38 | 72 87 | 75 99 | 74 51 | 73 95 | 74 54 | 70 11 | 71 11 | 71 99 |
| SA Damper Pos Pulv F | 2COAKS006A | % | 65 36 | 64 04 | 76 84 | 73 40 | 73 46 | 73 42 | 73 16 | 72 71 | 74 47 | 72 99 | 72 38 | 72 47 | 68 14 | 67 81 | 28 75 |
| SA Damper Pos Pulv G | 2COAKS004A | % | 61 18 | 59 81 | 77 65 | 74 35 | 74 44 | 74 38 | 74 20 | 73 71 | 28 48 | 18 54 | 18 53 | 80 95 | 77 64 | 78 86 | 80 22 |
| SA Damper Pos Pulv H | 2COAKS008A | % | 61 00 | 59 56 | 77 32 | 74 16 | 74 20 | 74 15 | 35 20 | 21 82 | 74 06 | 72 71 | 72 06 | 75 53 | 71 52 | 72 40 | 74 05 |

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