

MILSPEC Enclosures



Milspec
MANUFACTURING

SUBSYSTEMS MANUFACTURER TO DEFENCE AND INDUSTRIES

MILSPEC Enclosures



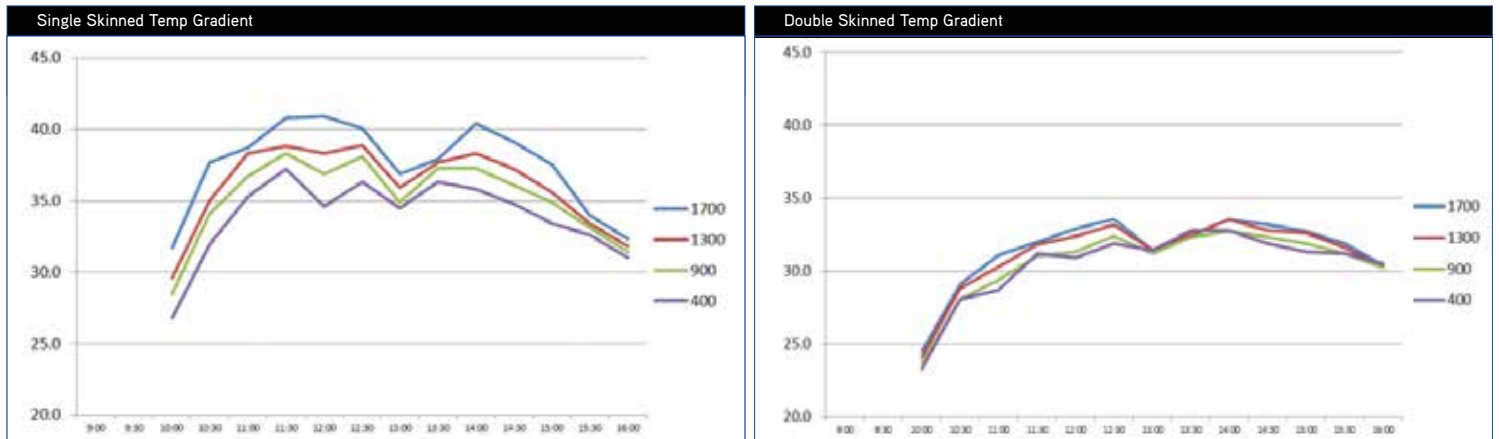
Milspec have been designing and supplying enclosures to rail and industry for over 14 years. Their product range has been specifically designed for the rail and outdoor industry requirements, meeting VRIOGS and ASA requirements. The Milspec range of cabinets are available, with racking to suit, in an off the shelf design, or can be customised to your needs.



MILSPEC Single vs Double

Outdoor Enclosures – Thermal Management

Milspec's experience and expertise in our development and testing departments has allowed us to produce cabinets with improved passive thermal management. Tests carried out by Milspec showed significant temperature gradient control of double skinned cabinets over single skinned cabinets. In Victoria this cabinet has become the benchmark for switching gear protection, delivering substantial green low 'full life cycle' results.



Temperature probes placed internally on the door of the cabinet and at 400mm, 900mm, 1300mm, and 1700mm from ground height, showed Milspec's double skin cabinets had a significant reduction in temperature throughout the day compared to the single skin cabinet.

| Time | Single Skin | | | | | Double Skin | | | | | Temperature Difference | | | | |
|----------------|-------------|-------|--------|--------|------|-------------|-------|--------|--------|------|------------------------|-------|--------|--------|------|
| | 400mm | 900mm | 1300mm | 1700mm | Door | 400mm | 900mm | 1300mm | 1700mm | Door | 400mm | 900mm | 1300mm | 1700mm | Door |
| 10:00 | 26.8 | 28.5 | 29.6 | 31.7 | 30.8 | 23.3 | 23.7 | 24.1 | 24.5 | 25.3 | 3.5 | 4.8 | 5.5 | 7.2 | 5.5 |
| 10:30 | 31.9 | 34.1 | 35 | 37.7 | 39 | 28.1 | 28.1 | 28.8 | 29.1 | 28.9 | 3.8 | 6 | 6.2 | 8.6 | 10.1 |
| 11:00 | 35.3 | 36.7 | 38.3 | 38.7 | 44.7 | 28.7 | 29.4 | 30.3 | 31.1 | 31.9 | 6.6 | 7.3 | 8 | 7.6 | 12.8 |
| 11:30 | 37.2 | 38.3 | 38.8 | 40.8 | 46.4 | 31.2 | 31 | 31.8 | 32 | 33 | 6 | 7.3 | 7 | 8.8 | 13.4 |
| 12:00 | 34.6 | 36.9 | 38.3 | 40.9 | 45.2 | 30.9 | 31.3 | 32.4 | 32.9 | 33.4 | 3.7 | 5.6 | 5.9 | 8 | 11.8 |
| 12:30 | 36.3 | 38.1 | 38.9 | 40.1 | 46.6 | 31.9 | 32.4 | 33.2 | 33.6 | 34.1 | 4.4 | 5.7 | 5.7 | 6.5 | 12.5 |
| 13:00 | 34.5 | 34.9 | 35.9 | 36.9 | 41.7 | 31.4 | 31.2 | 31.4 | 31.4 | 32.4 | 3.1 | 3.7 | 4.5 | 5.5 | 9.3 |
| 13:30 | 36.3 | 37.3 | 37.7 | 37.9 | 40.7 | 32.8 | 32.3 | 32.5 | 32.4 | 33.8 | 3.5 | 5 | 5.2 | 5.5 | 6.9 |
| 14:00 | 35.8 | 37.3 | 38.3 | 40.4 | 41.1 | 32.8 | 32.7 | 33.5 | 33.6 | 33.8 | 3 | 4.6 | 4.8 | 6.8 | 7.3 |
| 14:30 | 34.8 | 36.1 | 37.2 | 39.1 | 40.3 | 31.9 | 32.3 | 32.8 | 33.2 | 32.9 | 2.9 | 3.8 | 4.4 | 5.9 | 7.4 |
| 15:00 | 33.4 | 34.9 | 35.6 | 37.5 | 35.2 | 31.3 | 31.9 | 32.6 | 32.7 | 32.4 | 2.1 | 3 | 3 | 4.8 | 2.8 |
| 15:30 | 32.6 | 33.1 | 33.4 | 34 | 34.3 | 31.2 | 31.2 | 31.6 | 31.9 | 31.8 | 1.4 | 1.9 | 1.8 | 2.1 | 2.5 |
| 16:00 | 31 | 31.4 | 31.8 | 32.3 | 32.3 | 30.5 | 30.2 | 30.3 | 30.4 | 30.8 | 0.5 | 1.2 | 1.5 | 1.9 | 1.5 |
| Avg Difference | | | | | | | | | | | 0.5 | 1.2 | 1.5 | 1.9 | 1.5 |
| Min Difference | | | | | | | | | | | 6.6 | 7.3 | 8 | 8.8 | 13.4 |
| Max Difference | | | | | | | | | | | 3.4 | 4.6 | 4.9 | 6 | 8 |

| Part Number | Rail Drawing STD | Description | External Dimensions (mm) | | | Opening Dimensions (mm) | | Material | 3 Point Locking | Double Skinned | |
|---|------------------|---|--------------------------|------|-----|-------------------------|---------|----------|-----------------|----------------|--|
| | | | W | H | D | W | H | | | | |
| Standard Enclosures | | | | | | | | | | | |
| 1A1MS1990 | STD_G0067 | Telephone Box (Small) | 380 | 530 | 300 | 304 | 432.6 | S/S | | | |
| 2A1MS1990 | STD_G0067 | Telephone Box (Large) | 500 | 740 | 300 | 424 | 642.6 | S/S | | | |
| 1AOMS4042 | STD_G0064 | Meter Box (Large) Two Openings Vertically | 500 | 1296 | 400 | 354 | 649 and | S/S | | | |
| 2AOMS4042 | STD_G0064 | Meter Box (Small) Two Openings Vertically | 400 | 1062 | 400 | 354 | 415 and | S/S | | | |
| MS5352 | STD_G0101 | Single Door Junction Box | 430 | 660 | 400 | 357 | 564 | S/S | | | |
| MS5321 | STD_G0102 | 2 Door Junction Box Two Openings Horizontally | 434 | 664 | 405 | 357 | 564 | S/S | | | |
| 1AOMS2325 | STD_G0100 | Short Double Location Case | 2000 | 1470 | 700 | 820 x 2 | 1250 | S/S | * | | |
| 2AOMS2325 | STD_G0100 | Tall Double Location Case | 2000 | 1850 | 700 | 820 x 2 | 1653 | S/S | * | | |
| 4AOMS2334 | STD_G0099 | Medium Single Location Case | 980 | 1320 | 700 | 826 | 1143 | S/S | * | | |
| 5AOMS2334 | STD_G0099 | Short Single Location Case | 980 | 1040 | 700 | 826 | 863 | S/S | * | | |
| 6AOMS2334 | STD_G0099 | Tall Single Location Case | 980 | 1830 | 700 | 826 | 1653 | S/S | * | | |
| 1A1MS2337 | STD_G0065 | Tall Single High Tension Location Case | 980 | 1830 | 700 | 826 | 1653 | S/S | * | | |
| M05-143 | SPG0708 | Single Width Double Skin Signal Location Case | 1123 | 2177 | 790 | | | 316 S/S | | | |
| M05-145 | SPG0708 | Double Width Double Skin Signal Location Case | 2145 | 2177 | 790 | | | 316 S/S | | | |
| M05-147 | SPG0708 | Triple Width Double Skin Signal Location Case | 3165 | 2207 | 790 | | | S/S | | | |
| M05-536 | SPG0708 | ATP Annex | 620 | 1500 | 375 | | | 316 S/S | | | |
| Special Enclosures | | | | | | | | | | | |
| M01058 | | Tall Single, Double Skinned Cabinet | 1100 | 2050 | 700 | 820 | 1534 | ALLY | * | * | |
| M00664 | | Tall Double, Double Skinned Cabinet | 2100 | 2050 | 700 | 1820 | 1534 | ALLY | * | * | |
| M05361 | | Single Door Switchboard Cabinet | 500 | 1065 | 350 | | | S/S | | | |
| M03610 | | Tall Single, Double Skinned Cabinet | 1080 | 1958 | 800 | 845 | 1657 | S/S | * | * | |
| 2AOMS2325-HT | | Tall Double, High Tension, Centre Mullion/ No Mullion Available | 2000 | 1850 | 700 | 1840 | 1634 | S/S | * | | |
| M02737 | | Tall Double, Double Skinned Cabinet Two Openings Horizontally, Wrap Around Skins | 2100 | 1958 | 800 | 867.5 x 2 | 1657 | S/S | * | * | |
| M04337 | | Tall Double, Double Skinned Cabinet (Bolted on Skins) | 2100 | 1958 | 800 | 867.5 x 2 | 1657 | S/S | | * | |
| M04418 | | Tall Double, Double Skinned Cabinet (Bi-Fold Doors) Two Openings Horizontally | 2100 | 1958 | 800 | 867.5 x 2 | 1657 | S/S | * | * | |
| Negative Pillars | | | | | | | | | | | |
| Part Number | Rail Drawing | Description | | | | | | | Material | | |
| M04870 | STD_G0066 | Negative Pillar Box (Various Chute Arrangements) | | | | | | | S/S | | |
| M06480 | | Negative Pillar 4000 Amps - Double Width Cabinet | | | | | | | S/S | | |
| *Please contact us for any custom designed cabinets | | | | | | | | | | | |