



CYCLOPS

Z – Purge Indicator



- **Low cost**
- **Simple to install & use**
- **Highly reliable & maintenance free**
- **Enclosure vent is part of casing**
- **Local & remote status indicator**
- **Casing available in anodized aluminum & 316 stainless steel**
- **12 or 24 VDC & 115 or 230 VAC**
- **All in One Unit**

OVERVIEW:

To prevent the possibility of fire or explosion inside the enclosures of energized electrical equipment, a protective gas supply is used to dilute potentially flammable vapors to an acceptable level, creating a safe area for the devices within the enclosure. Positive pressure prevents the ingress of flammable vapors in the surrounding atmosphere from entering into the enclosure as long as positive pressure is maintained. After the enclosure is purged, power may be manually applied to the protected electrical equipment.

The Purge Solutions, Inc. CYCLOPS Z – Purge Indicator provides objective evidence of positive enclosure pressure with both a visible indicator and supplied standard, a dry-contact output for remote status monitoring. The enclosure purge vent is an integrated part of the CYCLOPS Z – Purge Indicator's casing, which mounts directly to the enclosure being purged. No additional holes, sheet metal, or plumbing is required.

FEATURES:

- The CYCLOPS Z – Purge Indicator mounts directly to purged enclosure. No additional sheet metal enclosures or plumbing is required. (Refer to Figures 1, 2, 3, & 4)
- Enclosure purge vent is an integrated part of the CYCLOPS Z – Purge Indicator casing. No additional holes or plumbing is required in purged enclosure. (Refer to Figure 4)
- Dry contact output for remote monitoring is supplied as standard. Contact open on alarm (Standard). Contact closed on alarm (Optional). Order optional contact closed on alarm by adding an “X” at end of Purge Solutions, Inc. model number. (Refer to Figure 4)
- Rugged, visual green LED indicator. Green LED on; enclosure purge pressure at or above required pressure. Green LED off, enclosure purge pressure below required pressure.
- The CYCLOPS Z – Purge Indicator is certified to ATEX, CSA, IECEx, NEC, NFPA, UL and CE Marked for installation and use in Division 2 and Zone 2 hazardous areas.

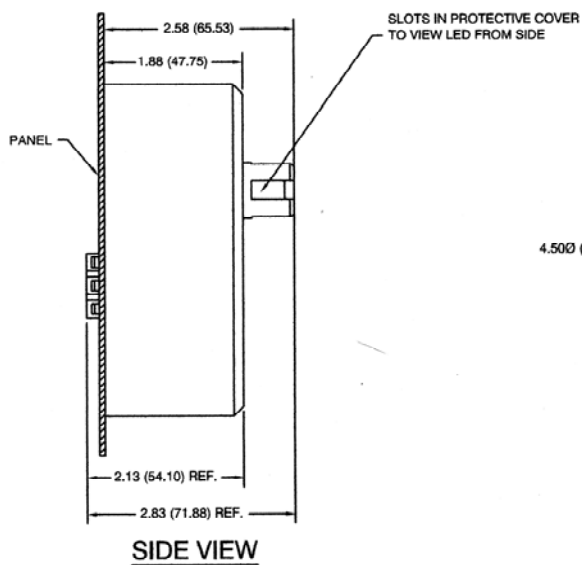
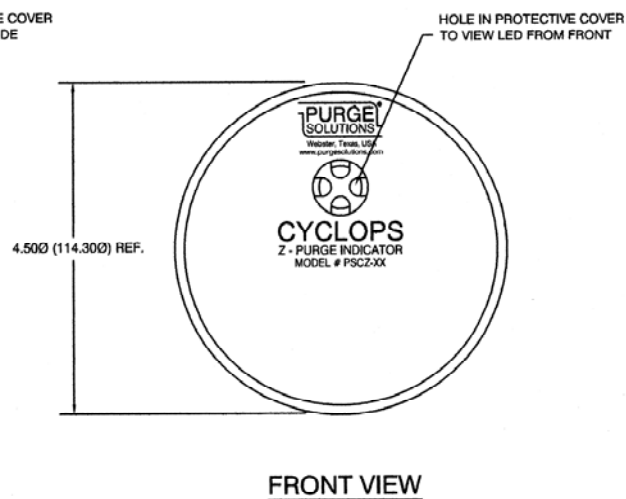


Figure 1



FRONT VIEW

Figure 2

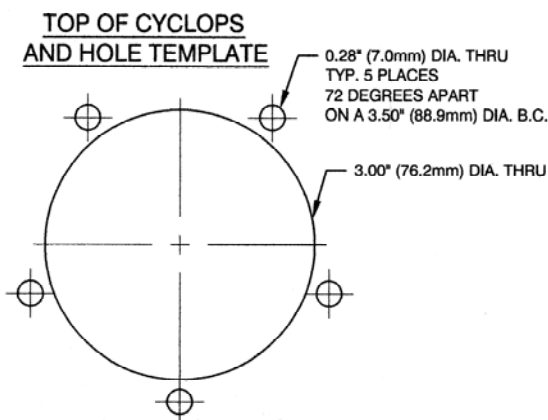


Figure 3

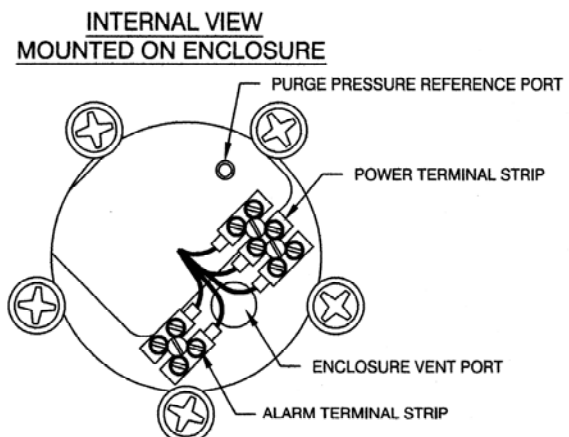


Figure 4



OPTIONS & ACCESSORIES AVAILABLE:

- **Purge Indicator Casing:** Anodized aluminum (standard) 316 stainless steel (optional).
- **Input Voltages Available:** Either 12 VDC, 24 VDC, 115 VAC, or 230 VAC.
- **Purge Solutions, Inc. Available Models:**
 1. Type Z – Purge Indicator: 12 VDC, Anodized aluminum, Gas hazardous areas: Purge Solutions model number PSCZ-1A
 2. Type Z – Purge Indicator: 12 VDC, 316 stainless steel, Gas hazardous areas: Purge Solutions model number PSCZ-1S
 3. Type Z – Purge Indicator: 24 VDC, Anodized aluminum, Gas hazardous areas: Purge Solutions model number PSCZ-2A
 4. Type Z – Purge Indicator: 24 VDC, 316 stainless steel, Gas hazardous areas: Purge Solutions model number PSCZ-2S
 5. Type Z – Purge Indicator: 115 VAC, Anodized aluminum, Gas hazardous areas: Purge Solutions model number PSCZ-3A
 6. Type Z – Purge Indicator: 115 VAC, 316 stainless steel, Gas hazardous areas: Purge Solutions model number PSCZ-3S
 7. Type Z – Purge Indicator: 230 VAC, Anodized aluminum, Gas hazardous areas: Purge Solutions model number PSCZ-4A
 8. Type Z – Purge Indicator: 230 VAC, 316 stainless steel, Gas hazardous areas: Purge Solutions model number PSCZ-4S
 9. Type Z – Purge Indicator: 12 VDC, Anodized aluminum, 0.30 Pressure Switch, Gas hazardous areas: Purge Solutions model number PSCZ-1A.3
 10. Type Z – Purge Indicator: 12 VDC, 316 stainless steel, 0.30 Pressure Switch, Gas hazardous areas: Purge Solutions model number PSCZ-1S.3
 11. Type Z – Purge Indicator: 24 VDC, Anodized aluminum, 0.30 Pressure Switch, Gas hazardous areas: Purge Solutions model number PSCZ-2A.3
 12. Type Z – Purge Indicator: 24 VDC, 316 stainless steel, 0.30 Pressure Switch, Gas hazardous areas: Purge Solutions model number PSCZ-2S.3
 13. Type Z – Purge Indicator: 115 VAC, Anodized aluminum, 0.30 Pressure Switch, Gas hazardous areas: Purge Solutions model number PSCZ-3A.3
 14. Type Z – Purge Indicator: 115 VAC, 316 stainless steel, 0.30 Pressure Switch, Gas hazardous areas: Purge Solutions model number PSCZ-3S.3
 15. Type Z – Purge Indicator: 230 VAC, Anodized aluminum, 0.30 Pressure Switch, Gas hazardous areas: Purge Solutions model number PSCZ-4A.3
 16. Type Z – Purge Indicator: 230 VAC, 316 stainless steel, 0.30 Pressure Switch, Gas hazardous areas: Purge Solutions model number PSCZ-4S.3
 17. Type Z – Purge Indicator: 12 VDC, Anodized aluminum, X Alarm, Gas hazardous areas: Purge Solutions model number PSCZ-1AX
 18. Type Z – Purge Indicator: 12 VDC, 316 stainless steel, X Alarm, Gas hazardous areas: Purge Solutions model number PSCZ-1SX
 19. Type Z – Purge Indicator: 24 VDC, Anodized aluminum, X Alarm, Gas hazardous areas: Purge Solutions model number PSCZ-2AX
 20. Type Z – Purge Indicator: 24 VDC, 316 stainless steel, X Alarm, Gas hazardous areas: Purge Solutions model number PSCZ-2SX
 21. Type Z – Purge Indicator: 115 VAC, Anodized aluminum, X Alarm, Gas hazardous areas: Purge Solutions model number PSCZ-3AX
 22. Type Z – Purge Indicator: 115 VAC, 316 stainless steel, X Alarm, Gas hazardous areas: Purge Solutions model number PSCZ-3SX
 23. Type Z – Purge Indicator: 230 VAC, Anodized aluminum, X Alarm, Gas hazardous areas: Purge Solutions model number PSCZ-4AX
 24. Type Z – Purge Indicator: 230 VAC, 316 stainless steel, X Alarm, Gas hazardous areas: Purge Solutions model number PSCZ-4SX



• **Purge Solutions, Inc. Available Models Continued:**

25. Type Z – Purge Indicator: 12 VDC, Anodized aluminum, X Alarm, 0.30 Pressure Switch, Gas hazardous areas: Purge Solutions model number PSCZ-1AX.3
26. Type Z – Purge Indicator: 12 VDC, 316 stainless steel, X Alarm, 0.30 Pressure Switch, Gas hazardous areas: Purge Solutions model number PSCZ-1SX.3
27. Type Z – Purge Indicator: 24 VDC, Anodized aluminum, X Alarm, 0.30 Pressure Switch, Gas hazardous areas: Purge Solutions model number PSCZ-2AX.3
28. Type Z – Purge Indicator: 24 VDC, 316 stainless steel, X Alarm, 0.30 Pressure Switch, Gas hazardous areas: Purge Solutions model number PSCZ-2SX.3
29. Type Z – Purge Indicator: 115 VAC, Anodized aluminum, X Alarm, 0.30 Pressure Switch, Gas hazardous areas: Purge Solutions model number PSCZ-3AX.3
30. Type Z – Purge Indicator: 115 VAC, 316 stainless steel, X Alarm, 0.30 Pressure Switch, Gas hazardous areas: Purge Solutions model number PSCZ-3SX.3
31. Type Z – Purge Indicator: 230 VAC, Anodized aluminum, X Alarm, 0.30 Pressure Switch, Gas hazardous areas: Purge Solutions model number PSCZ-4AX.3
32. Type Z – Purge Indicator: 230 VAC, 316 stainless steel, X Alarm, 0.30 Pressure Switch, Gas hazardous areas: Purge Solutions model number PSCZ-4SX.3
33. Type Z – Purge Indicator: 12 VDC, Anodized aluminum, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-1A1
34. Type Z – Purge Indicator: 12 VDC, 316 stainless steel, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-1S1
35. Type Z – Purge Indicator: 24 VDC, Anodized aluminum, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-2A1
36. Type Z – Purge Indicator: 24 VDC, 316 stainless steel, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-2S1
37. Type Z – Purge Indicator: 115 VAC, Anodized aluminum, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-3A1
38. Type Z – Purge Indicator: 115 VAC, 316 stainless steel, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-3S1
39. Type Z – Purge Indicator: 230 VAC, Anodized aluminum, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-4A1
40. Type Z – Purge Indicator: 230 VAC, 316 stainless steel, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-4S1
41. Type Z – Purge Indicator: 12 VDC, Anodized aluminum, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-1A1.3
42. Type Z – Purge Indicator: 12 VDC, 316 stainless steel, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-1S1.3
43. Type Z – Purge Indicator: 24 VDC, Anodized aluminum, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-2A1.3
44. Type Z – Purge Indicator: 24 VDC, 316 stainless steel, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-2S1.3
45. Type Z – Purge Indicator: 115 VAC, Anodized aluminum, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-3A1.3
46. Type Z – Purge Indicator: 115 VAC, 316 stainless steel, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-3S1.3
47. Type Z – Purge Indicator: 230 VAC, Anodized aluminum, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-4A1.3
48. Type Z – Purge Indicator: 230 VAC, 316 stainless steel, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-4S1.3
49. Type Z – Purge Indicator: 12 VDC, Anodized aluminum, X Alarm, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-1AX1
50. Type Z – Purge Indicator: 12 VDC, 316 stainless steel, X Alarm, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-1SX1
51. Type Z – Purge Indicator: 24 VDC, Anodized aluminum, X Alarm, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-2AX1
52. Type Z – Purge Indicator: 24 VDC, 316 stainless steel, X Alarm, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-2SX1

• **Purge Solutions, Inc. Available Models Continued:**

53. Type Z – Purge Indicator: 115 VAC, Anodized aluminum, X Alarm, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-3AX1
54. Type Z – Purge Indicator: 115 VAC, 316 stainless steel, X Alarm, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-3SX1
55. Type Z – Purge Indicator: 230 VAC, Anodized aluminum, X Alarm, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-4AX1
56. Type Z – Purge Indicator: 230 VAC, 316 stainless steel, X Alarm, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-4SX1
57. Type Z – Purge Indicator: 12 VDC, Anodized aluminum, X Alarm, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-1AX1.3
58. Type Z – Purge Indicator: 12 VDC, 316 stainless steel, X Alarm, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-1SX1.3
59. Type Z – Purge Indicator: 24 VDC, Anodized aluminum, X Alarm, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-2AX1.3
60. Type Z – Purge Indicator: 24 VDC, 316 stainless steel, X Alarm, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-2SX1.3
61. Type Z – Purge Indicator: 115 VAC, Anodized aluminum, X Alarm, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-3AX1.3
62. Type Z – Purge Indicator: 115 VAC, 316 stainless steel, X Alarm, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-3SX1.3
63. Type Z – Purge Indicator: 230 VAC, Anodized aluminum, X Alarm, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-4AX1.3
64. Type Z – Purge Indicator: 230 VAC, 316 stainless steel, X Alarm, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 15 Cubic Foot: Purge Solutions model number PSCZ-4SX1.3
65. Type Z – Purge Indicator: 12 VDC, Anodized aluminum, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-1A2
66. Type Z – Purge Indicator: 12 VDC, 316 stainless steel, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-1S2
67. Type Z – Purge Indicator: 24 VDC, Anodized aluminum, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-2A2
68. Type Z – Purge Indicator: 24 VDC, 316 stainless steel, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-2S2
69. Type Z – Purge Indicator: 115 VAC, Anodized aluminum, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-3A2
70. Type Z – Purge Indicator: 115 VAC, 316 stainless steel, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-3S2
71. Type Z – Purge Indicator: 230 VAC, Anodized aluminum, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-4A2
72. Type Z – Purge Indicator: 230 VAC, 316 stainless steel, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-4S2
73. Type Z – Purge Indicator: 12 VDC, Anodized aluminum, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-1A2.3
74. Type Z – Purge Indicator: 12 VDC, 316 stainless steel, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-1S2.3
75. Type Z – Purge Indicator: 24 VDC, Anodized aluminum, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-2A2.3
76. Type Z – Purge Indicator: 24 VDC, 316 stainless steel, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-2S2.3
77. Type Z – Purge Indicator: 115 VAC, Anodized aluminum, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-3A2.3
78. Type Z – Purge Indicator: 115 VAC, 316 stainless steel, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-3S2.3
79. Type Z – Purge Indicator: 230 VAC, Anodized aluminum, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-4A2.3
80. Type Z – Purge Indicator: 230 VAC, 316 stainless steel, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-4S2.3



• **Purge Solutions, Inc. Available Models Continued:**

81. Type Z – Purge Indicator: 12 VDC, Anodized aluminum, X Alarm, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-1AX2
82. Type Z – Purge Indicator: 12 VDC, 316 stainless steel, X Alarm, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-1SX2
83. Type Z – Purge Indicator: 24 VDC, Anodized aluminum, X Alarm, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-2AX2
84. Type Z – Purge Indicator: 24 VDC, 316 stainless steel, X Alarm, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-2SX2
85. Type Z – Purge Indicator: 115 VAC, Anodized aluminum, X Alarm, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-3AX2
86. Type Z – Purge Indicator: 115 VAC, 316 stainless steel, X Alarm, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-3SX2
87. Type Z – Purge Indicator: 230 VAC, Anodized aluminum, X Alarm, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-4AX2
88. Type Z – Purge Indicator: 230 VAC, 316 stainless steel, X Alarm, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-4SX2
89. Type Z – Purge Indicator: 12 VDC, Anodized aluminum, X Alarm, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-1AX2.3
90. Type Z – Purge Indicator: 12 VDC, 316 stainless steel, X Alarm, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-1SX2.3
91. Type Z – Purge Indicator: 24 VDC, Anodized aluminum, X Alarm, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-2AX2.3
92. Type Z – Purge Indicator: 24 VDC, 316 stainless steel, X Alarm, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-2SX2.3
93. Type Z – Purge Indicator: 115 VAC, Anodized aluminum, X Alarm, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-3AX2.3
94. Type Z – Purge Indicator: 115 VAC, 316 stainless steel, X Alarm, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-3SX2.3
95. Type Z – Purge Indicator: 230 VAC, Anodized aluminum, X Alarm, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-4AX2.3
96. Type Z – Purge Indicator: 230 VAC, 316 stainless steel, X Alarm, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 75 Cubic Foot: Purge Solutions model number PSCZ-4SX2.3
97. Type Z – Purge Indicator: 12 VDC, Anodized aluminum, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-1A2
98. Type Z – Purge Indicator: 12 VDC, 316 stainless steel, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-1S2
99. Type Z – Purge Indicator: 24 VDC, Anodized aluminum, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-2A2
100. Type Z – Purge Indicator: 24 VDC, 316 stainless steel, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-2S2
101. Type Z – Purge Indicator: 115 VAC, Anodized aluminum, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-3A2
102. Type Z – Purge Indicator: 115 VAC, 316 stainless steel, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-3S2
103. Type Z – Purge Indicator: 230 VAC, Anodized aluminum, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-4A2
104. Type Z – Purge Indicator: 230 VAC, 316 stainless steel, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-4S2
105. Type Z – Purge Indicator: 12 VDC, Anodized aluminum, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-1A2.3
106. Type Z – Purge Indicator: 12 VDC, 316 stainless steel, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-1S2.3
107. Type Z – Purge Indicator: 24 VDC, Anodized aluminum, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-2A2.3
108. Type Z – Purge Indicator: 24 VDC, 316 stainless steel, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-2S2.3



- **Purge Solutions, Inc. Available Models Continued:**

109. Type Z – Purge Indicator: 115 VAC, Anodized aluminum, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-3A2.3
110. Type Z – Purge Indicator: 115 VAC, 316 stainless steel, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-3S2.3
111. Type Z – Purge Indicator: 230 VAC, Anodized aluminum, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-4A2.3
112. Type Z – Purge Indicator: 230 VAC, 316 stainless steel, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-4S2.3
113. Type Z – Purge Indicator: 12 VDC, Anodized aluminum, X Alarm, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-1AX2
114. Type Z – Purge Indicator: 12 VDC, 316 stainless steel, X Alarm, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-1SX2
115. Type Z – Purge Indicator: 24 VDC, Anodized aluminum, X Alarm, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-2AX2
116. Type Z – Purge Indicator: 24 VDC, 316 stainless steel, X Alarm, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-2SX2
117. Type Z – Purge Indicator: 115 VAC, Anodized aluminum, X Alarm, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-3AX2
118. Type Z – Purge Indicator: 115 VAC, 316 stainless steel, X Alarm, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-3SX2
119. Type Z – Purge Indicator: 230 VAC, Anodized aluminum, X Alarm, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-4AX2
120. Type Z – Purge Indicator: 230 VAC, 316 stainless steel, X Alarm, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-4SX2
121. Type Z – Purge Indicator: 12 VDC, Anodized aluminum, X Alarm, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-1AX2.3
122. Type Z – Purge Indicator: 12 VDC, 316 stainless steel, X Alarm, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-1SX2.3
123. Type Z – Purge Indicator: 24 VDC, Anodized aluminum, X Alarm, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-2AX2.3
124. Type Z – Purge Indicator: 24 VDC, 316 stainless steel, X Alarm, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-2SX2.3
125. Type Z – Purge Indicator: 115 VAC, Anodized aluminum, X Alarm, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-3AX2.3
126. Type Z – Purge Indicator: 115 VAC, 316 stainless steel, X Alarm, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-3SX2.3
127. Type Z – Purge Indicator: 230 VAC, Anodized aluminum, X Alarm, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-4AX2.3
128. Type Z – Purge Indicator: 230 VAC, 316 stainless steel, X Alarm, 0.30 Pressure Switch, Dust hazardous areas, Enclosures Up to 200 Cubic Foot: Purge Solutions model number PSCZ-4SX2.3

- **Continuous Dilution Purge Gas Inlet Kits:** For interfacing and regulating pressure of protective gas supply to enclosure. Small Continuous Dilution Purge Gas Inlet Kits for enclosures with a volume up to 15 cubic feet (425 liters). Model number PSO-SCD-A is our small aluminum version and PSO-SCD-S is our small stainless version. Small Continuous Dilution Purge Gas Inlet Kits supply gas inlet to regulator is 1/4-18 FNPT. Medium Continuous Dilution Purge Gas Inlet Kits for enclosures with a volume up to 75 cubic feet (2,125 liters). Model number PSO-MCD-A is our medium aluminum version and PSO-MCD-S is our medium stainless version. Medium Continuous Dilution Purge Gas Inlet Kits supply gas inlet to regulator is 3/8-18 FNPT. Large Continuous Dilution Purge Gas Inlet Kits for enclosures with volumes up to 200 cubic feet (5,663 liters). Model number PSO-LCD-A is our large aluminum version and PSO-LCD-S is our large stainless version. Large Continuous Dilution Purge Gas Inlet Kits supply gas inlet to regulator is 1/2-14 FNPT. All kits include input fitting, regulator, gauge, bracket and mounting hardware.

- **Manual Leakage Compensation Purge Gas Inlet Kits:** Having two outlets from manifold able to increase the amount of purge gas to enclosure during dilution may be manually selected to speed up dilution of potentially flammable materials to an acceptable level, reducing dilution time and permitting a more rapid restoration of power to purge protected equipment. Small Manual Leakage Compensation Purge Gas Inlet Kits are for enclosures with a volume up to 15 cubic feet (425 liters). Model number PSO-SLC-A is our small aluminum version and model number PSO-SLC-S is our small stainless steel version. Small Manual Leakage Compensation Purge Gas Inlet Kits supply gas inlet to regulator is 1/4-18 FNPT. Medium Manual Leakage Compensation Purge Gas Inlet Kits are for enclosures with a volume up to 75 cubic feet (2,125 liters). Model number PSO-MLC-A is our medium aluminum version and model number PSO-MLC-S is our medium stainless steel version. Medium Manual Leakage Compensation Purge Gas Inlet Kits supply gas inlet to regulator is 3/8-18 FNPT. Large Manual Leakage Compensation Purge Gas Inlet Kits are for enclosures with volumes up to 200 cubic feet (5,663 liters). Model number PSO-LLC-A is our large aluminum version and PSO-LLC-S is our large stainless steel version. Large Manual Leakage Compensation Purge Gas Inlet Kits supply gas inlet to regulator is 1/2-14 FNPT. All kits include input fittings, regulator, gauge and manifold block.
- **Vortex Cabinet Cooler Systems:** For applications where thermal management of electrical cabinets and control panels are required; Purge Solutions, Inc. offers Vortex Cabinet Cooler Systems, which provide cooling capacities for your application and maintain a NEMA 4 and 4X (IP66) rating for installation and use in hazardous area. Contact your local Purge Solutions, Inc. representative or the factory for sizing of system and installation information.
- **Back-Up Purge Gas Kit:** In the event that the initial protective gas supply is lost, a back-up source of protective gas may be automatically applied to the protected enclosure. Purge Solutions, Inc. model number is PSO-BUPG-K
- **Back-Up Vents:** To protect the enclosure from over pressure; Purge Solutions, Inc. offers three sizes of back-up vents. The first size is our Small Back-Up Vent for enclosures with a volume up to 15 cubic feet (425 liters). Model number PSO-SBUV-S is our small side mount version and model number PSO-SBUV-T is our small top mount version. The second size we offer is our Medium Back-Up Vent for enclosures with volumes up to 75 cubic feet (2.125 liters). Model number PSO-MBUV-S is our medium side mount version and model number PSO-MBUV-T is our medium top mount version. The third size we offer is our Large Back-Up Vent for enclosures with volumes up to 200 cubic feet (5,663 liters). Model number PSO-LBUV-S is our large side mount version and model number PSO-LBUV-T is our large top mount version. All Back-Up Vents are constructed of 316 stainless steel and come with all mounting hardware.
- **Protective Gas Loss Indicator Kit:** An explosion-proof differential pressure switch may be installed to provide an alarm contact output signal to indicate the loss of the backup source of protective gas. Another explosion-proof differential pressure switch may be installed on the main protective gas supply to indicate that the primary protective gas pressure is adequate. Purge Solutions, Inc. model number is PSO-PGLI-K.
- **Differential Pressure Gauge Kits:** Purge Solutions, Inc. also offers an all stainless steel differential pressure gauge kit, which can be mounted on left side model number PSO-DPG-L, right side model number PSO-DPG-R, top model number PSO-DPG-T or bottom model number PSO-DPG-B of enclosure.



OPTIONS & ACCESSORIES AVAILABLE CONTINUED:

- **Increased Safety Window Kits:** Purge Solutions, Inc. also offers 5 different sizes of Increased Safety Window Kits with each size available in anodized aluminum or 316 stainless steel bezel material, which can be mounted on the side, top or bottom of an enclosure. Model number PSO-1/32DINW-A is our 1/32 Din size with anodized aluminum bezel, model number PSO-1/32DINW-S is our 1/32 Din size with 316 stainless steel bezel. Model number PSO-1/16DINW-A is our 1/16 Din size with anodized aluminum bezel, model number PSO-1/16DINW-S is our 1/16 Din size with 316 stainless steel bezel. Model number PSO-1/8DINW-A is our 1/8 Din size with anodized aluminum bezel, model number PSO-1/8DINW-S is our 1/8 Din size with 316 stainless steel bezel. Model number PSO-1/4DINW-A is our 1/4 Din size with anodized aluminum bezel, model number PSO-1/4DINW-S is our 1/4 Din size with 316 stainless steel bezel. Model number PSO-XLW-A is our X-Large size with anodized aluminum bezel, model number PSO-XLW-S is our X-Large size with 316 stainless steel bezel.
- **Increased Safety Enclosures:** Purge Solutions, Inc. also offers Increased Safety Enclosures that are available in powder coated carbon steel, 304 or 316 stainless steel in over 60 standard sizes or we can build a custom enclosure to your specifications. All have an IP66 / NEMA 4 ingress protection rating and an ambient temperature rating of - 40°F to 176°F (- 40°C to 80°C).

GENERAL SPECIFICATIONS:

- **Casing Dimensions:**
4.5" diameter x 1.9" tall (114.3mm diameter x 48.3mm tall).
- **Operating Temperature Range:**
- 40°F to 150°F (- 40°C to 65°C).
- **Purge Pressure Lower Limit Setting:**
0.50 inch H2O (1.25 mbar) Standard, 0.30 inch H2O (0.75 mbar) Optional.
- **Casing:**
Anodized aluminum, 2.48 lbs. (1.13 kg), IP66, NEMA 4, (standard).
316 stainless steel, 6.70 lbs. (3.04 kg), IP66, NEMA 4X, (optional).
- **Power Input / Consumption:**
0.5 Watts max.
- **Voltage:**
12 VDC Model, polarity-protected.
24 VDC Model, polarity-protected.
115 VAC Model, 50 / 60 Hz.
230 VAC Model, 50 / 60 Hz.



GENERAL SPECIFICATIONS CONTINUED:

- **Dry Contact Rating:**
Contact open on alarm (Standard).
Contact closed on alarm (Optional).
250 Volts AC / DC, 150mA max.
- **Standard Hardware:**
All stainless steel mounting fasteners, o-ring, 1/4" (6.4mm) diameter vent restrictor, warning label, and all required documentation.
- **Hazardous Area Approvals:**
ATEX and IECEx
II 3 G Ex nA ic [pz] IIC T6 Gc "for Zone 2 gas hazardous areas"
II 3 D Ex tc IIIC T79°C Dc IP66 "for Zone 2 dust hazardous areas"

ANSI / ISA 12.4, CSA, NEC / NFPA 496 and UL
Class I, Division 2, Group A, B, C & D, T6 "for gas hazardous areas"
Class II, Division 2, Group F & G, T6 "for dust hazardous areas"

Certified to an Ambient Temperature Range of - 40°F (- 40°C) $\leq T_{amb} \leq$ + 149°F (+ 65°C)

CE Marked