



Member of the FM Global Group

FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

I. Intrinsically Safe (Div. 1) Version

A4abc42defg. Pressure Transducer

IS/I,II,III/1/ABCDEFGH/T4 Ta = 80 °C; 825A022; Entity

NI/II/2/ABCD/T4 Ta = 80 °C; 825A022; NIFW

S/II,III/2/EFG/T4 Ta = 80 °C; 825A022; NIFW

See Control Drawing For Entity & Nonincendive Field Wiring Parameters.

a = Enclosure Requirement: S or W.

b = Accuracy & Temperature Range: A, B or C.

c = Pressure Fitting: FRW, F01, F02, F04, F09, MEK, MG2, MG4, M01, M02, M04, S15, S20, VFP, VFX, VF2, VMP, VMX or VM2.

d = Electrical Connector: B4, C1, C2, C3, C4, DN, D0, D1, D2, EW, E0, E1, E2, F2, HM, H1, L1, M1, M2, P1, P2, P7 or P9.

e = Pressure Range: 5#, 10#, 15#, 30#, 50#, 60#, 75#, 100#, 150#, 200#, 300#, 500#, 750#, 1000#, 1500#, 2000#, 2500#, 3000#, 5000#, 7500#, 10000#, 0#&VAC, 15#&VAC, 30#&VAC, 45#&VAC, 60#&VAC, 100#&VAC, 400mbar, 600mbar, 1bar, 1.6bar, 2.5bar, 4bar, 6bar, 10bar, 16bar, 20bar, 25bar, 40bar, 60bar, 100bar, 160bar, 250bar, 400bar, 600bar, 0bar&VAC, 1bar&VAC, 2bar&VAC, 3bar&VAC, 4bar&VAC, 6bar&VAC, 10h, 20h, 30h, 50h, 100h, 200h, 300h, 500h, 1000h, 0h&VAC, 30h&VAC, 60h&VAC, 100hVAC or 200h&VAC.

f = Pressure Type: A or G.

g = Variation: XCL, XK8, XNS or X6B.



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A2abc42defg. Pressure Transducer.

IS/I,II,III/1/ABCDEFGH/T4 Ta = 80 °C; 825A022; Entity

NI/II/2/ABCD/T4 Ta = 80 °C; 825A022; NIFW

S/II,III/2/EFG/T4 Ta = 80 °C; 825A022; NIF

See Control Drawing For Entity & Nonincendive Field Wiring Parameters.

a = Enclosure Requirement: X.

b = Accuracy & Temperature Range: A, B or C.

c = Pressure Fitting: FRW, F01, F02, F04, F09, MEK, MG2, MG4, M01, M02, M04, S15, S20, VFP, VFX, VF2, VMP, VMX or VM2.

d = Electrical Connector: C2, C3, C4.

e = Pressure Range: 5#, 10#, 15#, 30#, 50#, 60#, 75#, 100#, 150#, 200#, 300#, 500#, 750#, 1000#, 1500#, 2000#, 2500#, 3000#, 5000#, 7500#, 10000#, 0#&VAC, 15#&VAC, 30#&VAC, 45#&VAC, 60#&VAC, 100#&VAC, 400mbar, 600mbar, 1bar, 1.6bar, 2.5bar, 4bar, 6bar, 10bar, 16bar, 20bar, 25bar, 40bar, 60bar, 100bar, 160bar, 250bar, 400bar, 600bar, 0bar&VAC, 1bar&VAC, 2bar&VAC, 3bar&VAC, 4bar&VAC, 6bar&VAC, 10h, 20h, 30h, 50h, 100h, 200h, 300h, 500h, 1000h, 0h&VAC, 30h&VAC, 60h&VAC, 100hVAC or 200h&VAC.

f = Pressure Type: A or G.

g = Variation: XCL, XK8, XNS or X6B

II. Intrinsically Safe (Div. 1) Type 4X/IP65 Version

A4abc42defg. Pressure Transducer

IS/I,II,III/1/ABCDEFGH/T4 Ta = 80 °C; 825A022; Entity; Type 4X/IP65

NI/II/2/ABCD/T4 Ta = 80 °C; 825A022; NIFW; Type 4X/IP65

S/II,III/2/EFG/T4 Ta = 80 °C; 825A022; NIFW; Type 4X/IP65

See Control Drawing For Entity & Nonincendive Field Wiring Parameters.

a = Enclosure Requirement: W

b = Accuracy & Temperature Range: A, B or C.

c = Pressure Fitting: FRW, F01, F02, F04, F09, MEK, MG2, MG4, M01, M02, M04, S15, S20, VFP, VFX, VF2, VMP, VMX or VM2.

d = Electrical Connector: B4, C1, C2, C3, C4, H1, L1, P2 or P7.

e = Pressure Range: 5#, 10#, 15#, 30#, 50#, 60#, 75#, 100#, 150#, 200#, 300#, 500#, 750#, 1000#, 1500#, 2000#, 2500#, 3000#, 5000#, 7500#, 10000#, 0#&VAC, 15#&VAC, 30#&VAC, 45#&VAC, 60#&VAC, 100#&VAC, 400mbar, 600mbar, 1bar, 1.6bar, 2.5bar, 4bar, 6bar, 10bar, 16bar, 20bar, 25bar, 40bar, 60bar, 100bar, 160bar, 250bar, 400bar, 600bar, 0bar&VAC, 1bar&VAC, 2bar&VAC, 3bar&VAC, 4bar&VAC, 6bar&VAC, 10h, 20h, 30h, 50h, 100h, 200h, 300h, 500h, 1000h, 0h&VAC, 30h&VAC, 60h&VAC, 100hVAC or 200h&VAC.

f = Pressure Type: A or G.

g = Variation: XCL, XK8, XNS or X6B.



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A2abc42defg. Pressure Transducer.

IS/I,II,III/1/ABCDEFGH/T4 Ta = 80 °C; 825A022; Entity; Type 4X/IP65

NI/I/2/ABCD/T4 Ta = 80 °C; 825A022; NIFW; Type 4X/IP65

S/II,III/2/EFG/T4 Ta = 80 °C; 825A022; NIFW; Type 4X/IP65

See Control Drawing For Entity & Nonincendive Field Wiring Parameters.

- a = Enclosure Requirement: X.
- b = Accuracy & Temperature Range: A, B or C.
- c = Pressure Fitting: FRW, F01, F02, F04, F09, MEK, MG2, MG4, M01, M02, M04, S15, S20, VFP, VFX, VF2, VMP, VMX or VM2.
- d = Electrical Connector: C2, C3, C4
- e = Pressure Range: 5#, 10#, 15#, 30#, 50#, 60#, 75#, 100#, 150#, 200#, 300#, 500#, 750#, 1000#, 1500#, 2000#, 2500#, 3000#, 5000#, 7500#, 10000#, 0#&VAC, 15#&VAC, 30#&VAC, 45#&VAC, 60#&VAC, 100#&VAC, 400mbar, 600mbar, 1bar, 1.6bar, 2.5bar, 4bar, 6bar, 10bar, 16bar, 20bar, 25bar, 40bar, 60bar, 100bar, 160bar, 250bar, 400bar, 600bar, 0bar&VAC, 1bar&VAC, 2bar&VAC, 3bar&VAC, 4bar&VAC, 6bar&VAC, 10h, 20h, 30h, 50h, 100h, 200h, 300h, 500h, 1000h, 0h&VAC, 30h&VAC, 60h&VAC, 100hVAC or 200h&VAC.
- f = Pressure Type: A or G.
- g = Variation: XCL, XK8, XNS or X6B.

III. Nonincendive (Div.2) Version

A2abc42defg. Pressure Transducer.

NI/I/2/ABCD/T4 Ta = 80 °C; Type 4X/IP65

S/II,III/2/EFG/T4 Ta = 80 °C; Type 4X/IP65

- a = Enclosure Requirement: X.
- b = Accuracy & Temperature Range: A, B or C.
- c = Pressure Fitting: FRW, F01, F02, F04, F09, MEK, MG2, MG4, M01, M02, M04, S15, S20, VFP, VFX, VF2, VMP, VMX or VM2.
- d = Electrical Connector: C2, C3 or C4.
- e = Pressure Range: 5#, 10#, 15#, 30#, 50#, 60#, 75#, 100#, 150#, 200#, 300#, 500#, 750#, 1000#, 1500#, 2000#, 2500#, 3000#, 5000#, 7500#, 10000#, 0#&VAC, 15#&VAC, 30#&VAC, 45#&VAC, 60#&VAC, 100#&VAC, 400mbar, 600mbar, 1bar, 1.6bar, 2.5bar, 4bar, 6bar, 10bar, 16bar, 20bar, 25bar, 40bar, 60bar, 100bar, 160bar, 250bar, 400bar, 600bar, 0bar&VAC, 1bar&VAC, 2bar&VAC, 3bar&VAC, 4bar&VAC, 6bar&VAC, 10h, 20h, 30h, 50h, 100h, 200h, 300h, 500h, 1000h, 0h&VAC, 30h&VAC, 60h&VAC, 100hVAC or 200h&VAC.
- f = Pressure Type: A or G.
- g = Variation: XCL, XK8, XNS or X6B.



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Equipment Ratings:

I. Intrinsically Safe (Div. 1) Version

Intrinsically Safe, with Entity Parameters, for use in Class I, II & III, Division 1, Groups A, B, C, D, E, F & G, in accordance with manufacturer's Control Drawing No. 825A022; Nonincendive, with Nonincendive Field Wiring Parameters, for use in Class I, Division 2, Groups A, B, C & D, in accordance with manufacturer's Control Drawing No. 825A022; Suitable for Class II & III, Division 2, Groups E, F & G Hazardous (Classified) indoor Locations

II. Intrinsically Safe (Div. 1) Type 4X/IP65 Version

Intrinsically Safe, with Entity Parameters, for use in Class I, II & III, Division 1, Groups A, B, C, D, E, F & G, in accordance with manufacturer's Control Drawing No. 825A022; Nonincendive, with Nonincendive Field Wiring Parameters, for use in Class I, Division 2, Groups A, B, C & D, in accordance with manufacturer's Control Drawing No. 825A022; Suitable for Class II & III, Division 2, Groups E, F & G Hazardous (Classified) indoor/outdoor (Type 4X & IP65) Locations

III. Nonincendive (Div. 2) Version

Nonincendive for use in Class I, Division 2, Groups A, B, C & D; Suitable for Class II & III, Division 2, Groups E, F & G Hazardous (Classified) indoor/outdoor (Type 4X & IP65) Locations

FM Approved for:

ASHCROFT Inc.
250 East Main Street
Stratford, CT 06614
USA



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This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

Class 3600	1998
Class 3610	1999
Class 3611	2004
Class 3810	2005
ANSI/NEMA 250	1991
IEC 60529	2001
Including Amendment 1	

Original Project ID: 3025193

Approval Granted: August 17, 2006

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
081021	11/13/08		

FM Approvals LLC

George A. Smith, P.E.
Director/Assistant Vice President

11/13/08
Date