

DESIGN NOTES:

1. VALVE - 89H22

1.1. MATERIAL:

- 1.1.1. VALVE BODY: CF8M STAINLESS STEEL
- 1.1.2. BALL: 316 STAINLESS STEEL
- 1.1.3. SEATS: VIRGIN PTFE
- 1.1.4. STEM: 316 STAINLESS STEEL
- 1.1.5. STEM PACKING: PTFE AND VITON

1.2. VALVE PERFORMANCE / SPECS:

- 1.2.1. 1.5" FULL PORT 2-WAY ON/OFF
- 1.2.2. 2 PORTS - 1.5" FNPT
- 1.3. MAX WORKING PRESSURE: 1000 PSI @ 70F
- 1.3.1. MAX DIFFERENTIAL PRESSURE: 200 PSI @ 70F
- 1.4. FLOW RATE: 170 GPM @ 1 PSI DROP (WATER)

1.5. VALVE REPAIR KIT: EH-128-1

2. ACTUATOR - 8-ACTR

2.1. MATERIAL:

- 2.1.1. CASE: GF NYLON
- 2.1.2. GASKET: SILICONE
- 2.1.3. DOME: LEXAN

2.2. ELECTRICAL:

- 2.2.1. VOLTAGE: 24 VAC
- 2.2.2. CABLE: 3 WIRE, 18 AWG, GXL CABLE

2.2.3. CURRENT:

- OPERATING: 1.5A NOMINAL
- STALL: 4A NOMINAL

2.2.4. CONNECTOR: DEUTSCH 4 PIN RECEPTACLE

PIN 1: BLACK - POWER IN (-)

PIN 2: - - -

PIN 3: WHITE - SIGNAL 1 (+) TO OPEN

PIN 4: RED - POWER IN (+)

2.3. OPERATION:

2.3.1. ON/OFF

2.3.2. CYCLE TIME: 1.5S @ 24 VAC

2.4. TEMPERATURE RATING:

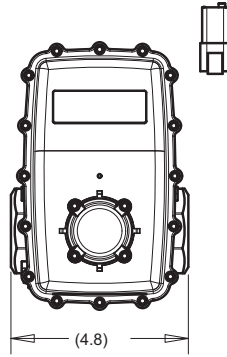
OPERATING: -32° F TO 125° F

STORAGE: -40° F TO 185° F

2.5. ENCLOSURE RATING:

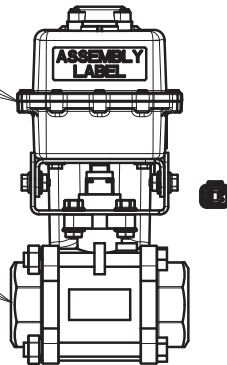
NEMA 6P (IMMERSIBLE)

NEMA 7D (IGNITION SAFE)



8-ACTR ACTUATOR

89H22 VALVE KIT



POSITION INDICATING FLAG

