Victaulic Vortex™
Fire Suppression System

SERIES 950 FOR USE WITH VICTAULIC VORTEX 1000
AND VICTAULIC VORTEX 1500 FIRE SUPPRESSION SYSTEMS

SERIES 950 NITROGEN SUPPLY OPTIONS

1. Standard tank properties:
   Material: Chrome-moly steel AISI 4130x
   Minimum water capacity: 108 lbs/49 kg
   Water volume: 2995 in³/49 liter
   Approximate cylinder weight: 134 lbs/60.8 Kg
   DOT service pressure: 2400 psi/165.5 Bar
   Optional TC service pressure: 183 bar.
   Test pressure: 4000 psi/275.8 Bar

2. Valve properties:
   Pressures: Working 4,500 PSIG, Proof 7,600 PSIG, Test 5,400 PSIG, Burst 15,000 PSIG
   Pressure Relief: Integrated Pressure Relief disc at 4000 psi
   Temperatures: Operating = -50°F min/130°F max, Storage = -65°F min/155°F max.
   Leak rate: Internal/external 1x10⁻³ atm cc/s @ 5,400 psig.
   Life cycle: 5,000 cycles minimum.
   Cv flow factor: Standard .41.
   Standards conformance: CGA V-9, CGA S1.1, CGA V-1, ISO 10297, EN 849, AS2473.

   Note: All cylinder assemblies shall be piped using Victaulic Approved manifold hoses. Through CGA 580 Connections, number of cylinders for a Vortex Installation dependent upon hazard size and minimum Discharge time required.

SERIES 950 MANIFOLD ASSEMBLY, NITROGEN

4, 6, 8 and 12 port assemblies available. Includes:

- Manifold
- Impermeable hose assembly with swivel assembly, ¼” NPT bottom, 3000 psi
- 1” NPT pipe plug (3000psi rated)

1 - Cylinder Rack
2 - Cylinder Manifold with Regulator Option
3 - Manifold Fill Assembly
4 - Manifold Isolation Switch Assembly

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REV_E
**SERIES 950 SWITCH ASSEMBLY FOR NITROGEN ISOLATION**

Includes:
1. Nipple, close pipe, 1” NPT x 1 ½” NPT, Schedule 160, plain or galvanized steel
2. Supervisory Switch
3. Universal Ball Valve for 1” Ball Valve
4. Gauge, Valve, Ball, 1” FPT x 1” FPT (Hi-Pressure with Locking Handle Kit)

**SERIES 950 NITROGEN CYLINDER STORAGE RACKS**

Racks available for 4, 6, 8 and 12 cylinder groupings.

- **4 or 8 cylinder rack**
- **6 or 12 cylinder rack**
**Warranty**

Refer to the Warranty section of the current Price List or contact Victaulic for details.

**Note**

This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.