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 (3000 psi 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
**Victaulic Vortex Fire Suppression System**

**SERIES 950**

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**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)

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**SERIES 950 NITROGEN CYLINDER STORAGE RACKS**

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

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**4 or 8 cylinder rack**

4 or 8 tank wall mount storage

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**4 or 8 cylinder retainer support and tank wall mount storage**

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**6 or 12 cylinder rack**

6 or 12 tank wall mount storage

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**6 or 12 cylinder retainer support and tank wall mount storage**
**Victaulic Vortex™ Fire Suppression System**

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

**INSTALLATION**
Reference should always be made to the applicable I-VORTEX Design and Installation Manual for the product you are installing. Handbooks are included with each shipment of Victaulic products for complete installation and assembly data.

**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.