

# Victaulic® VicFlex™ Fittings

## Series AH2-C2C Braided Hose



Series AH2-C2C

### 1.0 PRODUCT DESCRIPTION

#### Available Sizes by Component

- Series AH2-C2C 1"/DN25 Nominal ID Braided Hose: 25, 30, 42, 54, 66"/635, 762, 1067, 1372, 1677 mm.
- **Inlet Connections:**
  - 1"/25 mm Grooved IGS

#### Minimum bend radius

- 2"/51 mm

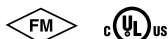
#### Maximum Working Temperature

- 225°F/107°C

#### Maximum Working Pressure

- 200 psi/1375 kPa (FM Approval)
- 175 psi/1206 kPa (UL)

### 2.0 CERTIFICATION/LISTINGS



#### NOTE

- The Series AH2-C2C Braided Hose is certified as a flexible pipe fitting to UL 213 – Standard for Safety – Rubber Gasketed Fittings for Fire Protection Service and FM 1920 – Approval Standard for Pipe Couplings and Fittings for Aboveground Fire Protection Systems.

ALWAYS REFER TO ANY NOTIFICATIONS AT THE END OF THIS DOCUMENT REGARDING PRODUCT INSTALLATION, MAINTENANCE OR SUPPORT.

### 3.0 SPECIFICATIONS – MATERIAL

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#### Series AH2-C2C

**Flexible Hose:** 300-series Stainless Steel

**Collar/Weld Fitting:** 300-series Stainless Steel

**Gasket Seal:** Victaulic EPDM

**Isolation Ring:** Nylon

**Coupling Retainer Ring:** Polyethylene

**Nut and Nipple:** Carbon Steel, Zinc Plated

**Housing:** Ductile iron conforming to ASTM A 536, Grade 65-45-12. Ductile iron conforming to ASTM A 395, Grade 65-45-15, is available upon special request.

#### **Coupling Housing Coating:**

- Orange enamel (North America, Asia Pacific).
- Red enamel (Europe).
- Hot dipped galvanized.

#### **Gasket:<sup>1</sup>**

- **Grade “E” EPDM (Type A) Vic-Plus™ Pre-lubricated Gasket**

EPDM (Violet Color Code). Applicable for wet and dry (oil-free air) fire protection systems only. Listed/Approved for continuous use in wet and dry systems. Listed/Approved for dry systems at -40°F/-40°C and above. NOT COMPATIBLE FOR USE WITH HOT WATER SERVICES OR STEAM SERVICES.

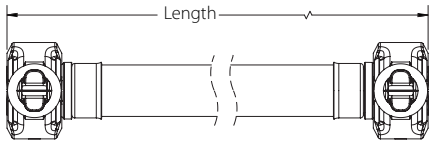
<sup>1</sup> Services listed are General Service Guidelines only. It should be noted that there are services for which these gaskets are not compatible. Reference should always be made to the latest [Victaulic Gasket Selection Guide](#) for specific gasket service guidelines and for a listing of services which are not compatible.

**Bolts/Nut:** Zinc electroplated carbon steel, trackhead meeting the physical and chemical requirements of ASTM A 449 and physical requirements of ASTM A 183.

**Linkage:** CrMo Alloy Steel zinc electroplated per ASTM B633 Zn/Fe 5, Type III Finish

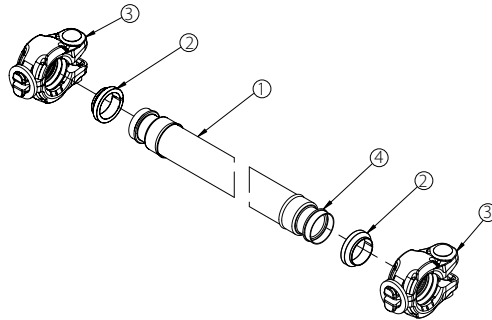
## 4.0 DIMENSIONS

### Series AH2-C2C Braided Hose



Item	Description
1	Flexible Hose
2	Isolation Ring
3	Captured Coupling
4	Collar/Weld Fitting

Series	Length inches mm
AH2-C2C-31	25.0 635
AH2-C2C-36	30.0 762
AH2-C2C-48	42.0 1067
AH2-C2C-60	54.0 1372
AH2-C2C-72	66.0 1677



## 5.0 PERFORMANCE – FRICTON LOSS DATA

### Series AH2-C2C Braided Hoses Equivalent Length Design Guide







Actual Length inches mm	Max Bends	1 Bend feet meters	2 Bends feet meters	3 Bends feet meters	4 Bends feet meters	5 Bends feet meters	6 Bends feet meters	7 Bends feet meters	8 Bends feet meters
25 635	4	12.0 3.7	14.0 4.3	16.0 4.9	18.0 5.5	-	-	-	-
30 765	4	16.0 4.9	18.0 5.5	20.0 6.1	22.0 6.7	-	-	-	-
42 1070	6	20.0 6.1	23.0 7.0	25.0 7.6	27.0 8.2	30.0 9.1	33.0 10.1	-	-
54 1375	6	23.0 7.0	25.0 7.6	27.0 8.2	30.0 9.1	32.0 9.8	35.0 10.7	-	-
66 1680	8	27.0 8.2	29.0 8.8	31.0 9.4	34.0 10.4	37.0 11.3	40.0 12.2	44.0 13.4	48.0 14.6

### Installation Reference

1. Bend hose to the desired angle and do not exceed the minimum bend radius.
2. Install grooved coupling per the published installation instructions.
3. Additional restraints may be required to prevent excess movement.
4. Hose shall not be subjected to tension or compression

## 6.0 NOTIFICATIONS

**⚠ WARNING**

- Read and understand all instructions before attempting to install, remove, adjust, or maintain any Victaulic piping products.
- Depressurize and drain the piping system before attempting to install, remove, adjust, or maintain any Victaulic piping products.
- Wear safety glasses, hardhat, and foot protection.

Failure to follow these instructions could result in death or serious personal injury and property damage.

**⚠ WARNING**

- It is the responsibility of the system designer to verify suitability of 300-series stainless steel flexible hose for use with the intended fluid media within the piping system and external environments.
- The effect of chemical composition, pH level, operating temperature, chloride level, oxygen level, and flow rate on 300-series stainless steel flexible hose must be evaluated by the material specifier to confirm system life will be acceptable for the intended service.
- It is the responsibility of the owner of a building or their authorized agent to provide the sprinkler system installer with any knowledge that the water supply might be contaminated with or conducive to the development of microbiologically influenced corrosion (MIC), including as required by NFPA 13. Failure to identify adverse water quality issues may affect the VicFlex product and void the manufacturer's warranty.

Failure to follow these instructions could cause product failure, resulting in serious personal injury and/or property damage.

- Victaulic VicFlex Series AH2-C2C Braided Hose may be painted provided the paint is compatible with stainless steel and zinc-plated carbon steel or ductile iron.
- Victaulic VicFlex Series AH2-C2C penetrating through non-fire rated gypsum wall (drywall) will function as designed, provided the components are installed in accordance with the respective installation instructions referenced in this document.

## 7.0 REFERENCE MATERIALS

- [25.14: Victaulic IGS Groove Specifications](#)
- [I-C2C: Flexible Hose with Captured Couplings](#)

### User Responsibility for Product Selection and Suitability

Each user bears final responsibility for making a determination as to the suitability of Victaulic products for a particular end-use application, in accordance with industry standards and project specifications, and the applicable building codes and related regulations as well as Victaulic performance, maintenance, safety, and warning instructions. Nothing in this or any other document, nor any verbal recommendation, advice, or opinion from any Victaulic employee, shall be deemed to alter, vary, supersede, or waive any provision of Victaulic Company's standard conditions of sale, installation guide, or this disclaimer.

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### 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.

### Installation

Reference should always be made to I-VICFLEX-AB1-AB2-AB10, I-VICFLEX-AB4, I-VICFLEX-AB7, or I-VICFLEX-AB8 for the product you are installing. Handbooks are included with each shipment of Victaulic products for complete installation and assembly data, and are available in PDF format on our website at [www.victaulic.com](http://www.victaulic.com).

### Warranty

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

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