

# CHLORINE Hose Assembly

The OmegaFlex® Chlorine Hose Assembly consists of corrugated Monel 400 alloy tubing with Monel 400 one or two layers of braid. End fittings are either schedule 80 Monel NPT or Type A carbon steel Lap Joint flanges with Monel stub ends. 304 stainless steel casing covers the outside of the assembly. The hose assemblies are manufactured in accordance with the Chlorine Institute pamphlet 6 current addition.

## Chlorine Hose Assembly Materials

**TUBING MATERIAL:** Corrugated Monel 400 tubing conforms to ASTM B-127, Monel alloy UNS No. N04400.  
**BRAID MATERIAL:** Monel 400 wire conforms to QQ-N-281 Rev D. Monel alloy UNS No. N04400.  
**FITTING MATERIAL:** Monel 400 schedule 80 pipe conforms to ASTM B-165, Monel alloy UNS No. N04400 or ASTM A-105, ANSI B16.5 Class 300 Carbon Steel Lap Joint Flanges with Monel 400 stub ends conforming to ASTM B-366  
**CASING MATERIAL:** 304L Stainless steel conforms to ASTM A-240, 304L alloy UNS No. S30403  
**RESOURCES:** The Chlorine Institute Pamphlet 6 – Piping for Dry Chlorine  
 ISO 10380:2012 Pipework – Corrugated Metal Hoses and Hose Assemblies  
 NAHAD 400:2005 – Corrugated Metal Hose Assembly Specification Guidelines

## Operational Temperatures

-40°F to 122°F

## Chlorine Hose Assembly With Schedule 80 Npt End Fittings

Item	Description	Material
1.	Schedule 80 Pipe NPT	Monel 400
2.	Wrench Nut	Carbon Steel
3.	Collars	Monel 400
4.	Chafe Guard	304L Stainless Steel
5.	1 or 2 Braid Layers	Monel 400
6.	Corrugated Tube	Monel 400

