ULTRAFLEX™

Heavy Wall for Flare-Thru Fittings and Applications Requiring Vacuum Resistance

Largest Size Range In The Industry 1/2"- 6"

THE SEVERE SERVICE STANDARD



316 Stainless Steel Braid Pure PTFE



316 Stainless Steel Braid Static - Dissipating PTFE



Polypropylene Braid Pure PTFE



Polypropylene Braid tatic - Dissipating PTFE

OTHER BRAID OPTIONS AVAILABLE



HEAVY DUTY APPLICATIONS

UltraFlex heavy duty hose is made with the thickest, seamless PTFE liner in the industry and offers the largest size range (1/2" - 6") which makes it ideal for nearly all demanding high purity and chemical applications. The open pitch, spiral convolutions facilitate cleaning because they're self-draining, and the tight bend radius of UltraFlex hose is perfect for space-constrained locations. To ensure continuous fluid contact with PTFE throughout the hose assembly, the PTFE liner can be cuffed and flared through for a continuous fluid conduit.

ULTRAFLEX ADVANTAGES

Corrosion Resistant

PTFE is fully resistant to the broadest range of industrial chemicals and has a zero corrosion rate with lower life cycle costs.

Cleanable

Non-Stick, low porosity tube is self cleaning and does not trap bacteria and can be cleaned with steam, detergents, caustics or solvents.

Sanitary

FDA- approved materials meet or exceed Pharmacopoeia Class VI and 3A standards.

Compatible

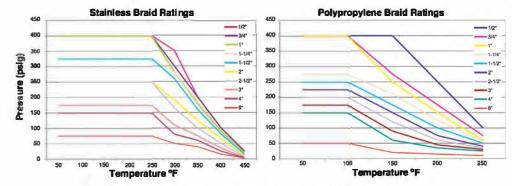
Will not contaminate or impart a taste, color, or odor to any media.

Flexible

Ultra flexible engineered design that resists cracking and stress corroding.

Durable

Engineered for extended use in hostile environments involving severe chemical, thermal, and mechanical stresses. Does not suffer from aging or embrittlement like rubber even with extreme thermal cycling.



Stainless braid and bare hose temperature range; (-)85°F (-54°C) to (+)450°F (+232°C) Polypropylene braid temperature range; (-)20°F (-29°C) to (+)250°F (+121°C)

I.D Nominal (inch)	OPERATING PRESSURE (psl)			Minimum	Vacuum	Weight
	S.S. Braid	Polypro Braid	Bare Hose	Bend Radius (inch)	Rating (in-Hg)	Per Foot (ibs.)
1/2"	400	400	40	1.75	29.9	0.20
3/4"	400	400	30	2.25	29.9	0.35
1"	400	400	30	2.50	29.9	0.50
1-1/4"	325	275	20	3.00	29.9	0.70
1-1/2°	325	250	20	3.25	29.9	0.80
2"	250	225	15	5.25	29.9	0.95
2-1/2"	250	200	15	8.50	29.9	1.50
**3"	175	175	15	9.50	24.0	1.79
4"	150	150	15	11.95	20.0	2.25
6"	100	50	5	15.50	15.0	3.50

Operating pressure ratings are one-fourth the minimum burst pressure at (+)70°F (21°C)
Pressure and vacuum ratings are based at (+)70°F (21°C)

** 3" is available for full vacuum applications - consult factory

ULTRAFLEX® Selial Vent Tubling

Ultraflex heavy wall PTFE makes it ideal for vent tubing or flanged hose assemblies where line pressures are relatively low. UltraFlex Spiral Vent Tubing assemblies provide excellent flexibility, are light weight and have superior chemical resistance. Available in sizes 1/2" to 6" with cuffed, flanged or a variety of other end connections and materials.



Ph.616.554-1100 www.pureflex.com Fax 616.554-3633 Ph.616.554-1100 www.pureflex.com Fax 616.554-3633

PUREFLEX FITTINGS

TITLE SI Mode Pign STILL SE Fermide Pige STILL SE Fermide Linion STILL SE Fermide CAM Lock U STILL SE Fermide CAM

CNC Machining

PureFlex has (24) CNC machining centers and manufactures the most diverse fitting and collar selection in the industry. Because of its machining expertise, PureFlex can also offer a wide range of materials including; Stainless steel, carbon steel, Monel, Hastelloy, titanium, solid PVDF, solid Polypropylene and any other plastic or alloy requested.



STYLE 11 Splice



OPTIONS

Hose Cover Options

SCUFF SLEEVE

Protects hose exterior from damage when dragged over rough surfaces

2 FIRE SLEEVE

Protects hose from extreme exterior temperatures. Can be used as insulation and protects personnel from extreme interior temperatures

O POLYOLEFIN

Provides a smooth, cleanable covering over braided hose. Many colors available

ARMOR GUARD

Protects hose from kinking by not allowing it to exceed its bend radius

SPRING GUARD

Provides kink resistance and protects hose from damage when dragged over rough surfaces

6 HDPE ARMOR

Provides kink and wear protection during rough handling. Available in (8) colors for color coding and is the only protective cover that can be installed on an existing assembly.



Electrically Heated Hoses & Controls



Please contact our customer service specialists at solutions@andronaco.com

for additional information regarding our heated hoses

Custom Fabricated Assemblies

MultiFlex hose with integral FEP sight gauge shown





PureFlex acid etches a unique serial number on every assemby 3/4" and larger. Other special tagging available

Durcor-62™ Composite Flanges

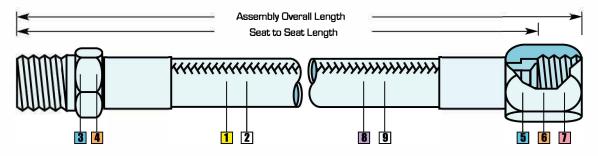


- 1/4 The Weight Of Stainless
- Class 150 Rated
- ANSI B16.5
- (-)60°F to (+)300°F
- Lower Cost Then 316s.s.
- Lower Transportation Cost
- Lower Installed Cost
- Lower Life Cycle Cost
- Zuro Carrositos (Inc
- 5 Tear Warranty



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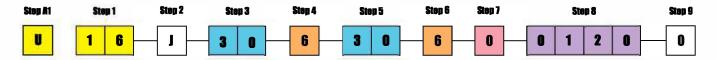
HOW TO ORDER



ULTRAFLEX HOSE ASSEMBLY NUMBERING SYSTEM

Steps to order a 1" UltraFlex assembly with a length of 12", 316SS female JIC one end, 316SS JIC other end. No options.

Sample part number: U16J306306001200



STEP A1

Hose Series

II = IlltraFlex

M = MultiFlex

P = ProFlex

STEP 1

Determine L.D. of UltraFlex tube:

16 = 1"

08 = 1/2"

12 = 3/4"

16 = 1"

24 = 1-1/2" 32 = 2"

48 = 3"

64 = 4'

STEP 2

Determine hose product code: J

U = Bare

J = SS Braid

P = PP Braid

S = Special

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STEP 3

Determine fitting style of 1st end: 30 = Female JIC

Threaded

03 = Male pipe hex NPT

04 = Male pipe NPT

06 = Female pipe NPT

30 = JIC female swivel 33 = Male union (NPT)

36 = Female union (NPT)

37 = Female swivel NPSH

Flanges 05 = Flange retainer

15 = Flange retainer P-series 25 = Enc. flange retainer

29 = Flare thru flance

Camlock

07 = Female cam lock "D"

27 = Enc. female cam lock "D"

08 = Male cam lock "E"

28 = Enc. male cam lock "E"

Compression

31 = O-ring female swivel "D"

38 = Compression adapter

39 = Compression connector w/nut & ferrule

Buttweld

18 = Tube buttweld

19 = Pipe buttweld

Sanitary

40 = Sanitary tri-clamp

40U = Sanitary flare thru

41 = Sanitary step-up

42 = Sanitary mini

48 = Hine male

49 = Hine female

45 = Bevel seat female

46 = Bevel seat male

STEP 4

Determine fitting material: 6 = 316SS

4 = 30455

6 = 316SS

C = Carbon steel

T = TFE encapsulated

H = Hastelloy

M = Monel

A = Alloy 20K = Kvnar

P = Polypropylene

STEP 5

Determine fitting style of 2nd end: 30 = JIC

Threaded

03 = Male pipe hex NPT

04 = Male pipe NPT

06 = Female pipe NPT

30 = JIC female swivel

33 = Male union (NPT)

36 = Female union [NPT]

37 = Female swivel NPSH

Flanges

05 = Flange retainer

15 = Flange retainer P-series

25 = Enc. flange retainer

29 = Flare thru flange

Camlock 07 = Female cam lock "D"

27 = Enc. female cam lock "D" 08 = Male cam lock "E"

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Compression

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w/nut & ferrule Buttweld

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40U = Sanitary flare thru

41 = Sanitary step-up

42 = Sanitary mini

48 = Hine male 49 = Hine female

45 = Revel seat female

46 = Bevel seat male

STEP 6

Determine fitting material: 6 = 316SS

4 = 30455

6 = 31655

C = Carbon steel

T = TFE encapsulated

H = Hastelloy

M = Monel

A = Alloy 20

K = Kvnar P = Polypropylene

STEP 7

Determine flange material: 0 = None

0 = None

D = Ductile iron

C = Carbon steel

4 = 30455

6 = 316SS

K = Kynar P = Polypropylene

STEP 8

Determine overall length of UltraFlex hose in inches: 0120 = 12"

Last digit in 1/8th

increments. STEP 9

Determine ontions: 0 = None

0 = None B = Conductive hose liner

Z = 300# Flg

L = Locking female cam

S = Spring guard

A = Armor guard

F = Firesleeve P = Polyolefin cover

T = TFE shrink cover H = Hypalon cover

N = Nylon scuff guard

D = HDPE Armor