

Standard Chemical Service

Uni-CHEM™ PG 250, PS, SG and SS

Designed for in-plant liquid transfer operations as well as tank truck delivery and rail car loading. Constructed with multiple plies of polypropylene films and polyester vapor barriers.

Rated for full vacuum.

Uni-CHEM™ PG PS

Uni-CHEM™ SG SS

Maximum length: 100 ft (10" -80 ft)

Operating Temperature: -40°F (-40°C) to +212°F (+100°C)



***WARNING!** Elevated temperatures can change the chemical resistance rating of hose. Check the chemical resistance charts published by Novaflex to verify that the chemical to be transferred is rated for use with the polypropylene tube at the temperature & concentrations listed. Most chemicals become more aggressive the higher the temperature, reducing the ability of the tube material to withstand them. Compatibility information is available from Novaflex. If no data exists, it is the users responsibility to determine if the hose is compatible with the chemical to be transferred. **Never use Novaflex Composite Hose above the ratings listed by Novaflex.**

Part No.	I.D.	O.D.	MAX W.P. PSI	BURST PRES. PSI	MBR	WT LBS/ FT	MAX LGT
3UCCHPG-01000-00	1	1.5	250	1000	4.0"	0.60	100
3UCCHPG-01500-00	1.5	1.9	250	1000	5.0"	0.80	100
3UCCHPG-02000-00	2	2.4	250	1000	6.0"	1.60	100
3UCCHPG-03000-00	3	3.4	250	1000	7.9"	2.40	100
3UCCHPG-04000-00	4	4.4	250	1000	11.9"	3.20	100
3UCCHPG-06000-00	6	7.0	250	1000	22.0"	7.20	100
3UCCHPG-08000-00	8	9.4	250	1000	30.0"	11.0	100
3UCCHPG-10000-00	10	11.5	200	800	40.0"	14.5	80

Part No.	I.D.	O.D.	MAX WP PSI	BURST PRES PSI	MBR	WT LBS/ FT	MAX LGT
3UCCHSG-01000-00	1	1.5	250	1000	4.0"	0.60	100
3UCCHSG-01500-00	1.5	1.9	250	1000	5.0"	0.80	100
3UCCHSG-02000-00	2	2.4	250	1000	6.0"	1.60	100
3UCCHSG-03000-00	3	3.4	250	1000	7.9"	2.40	100
3UCCHSG-04000-00	4	4.4	250	1000	11.9"	3.20	100
3UCCHSG-06000-00	6	7.0	250	1000	22.0"	7.20	100
3UCCHSG-08000-00	8	9.4	250	1000	30.0"	11.0	100
3UCCHSG-10000-00	10	11.5	200	800	40.0"	14.5	80

Standard Petroleum Service

Uni-OIL™ GG

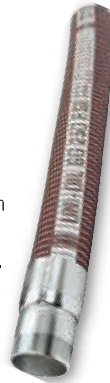
Standard petroleum service hoses are designed for the transfer of a wide range of petroleum products.

Uni-OIL™ GG hoses are ideal for transfer of media from storage tanks and process piping to rail cars or tank trucks. Multiple plies of polypropylene films and fabrics are encased in a polyester vapor barrier for superior operation.

Rated for full vacuum.

Maximum length: 100 ft (10" -80 ft)

Operating Temperature: -40°F (-40°C) to +212°F (+100°C)



Part No.	I.D.	O.D.	MAX WP PSI	BURST PRES PSI	MBR	WT LBS/ FT	MAX LGT
3UCOIGG-01000-00	1	1.5	250	1000	4.0"	0.6	100
3UCOIGG-01500-00	1.5	2	250	1000	5.0"	0.8	100
3UCOIGG-02000-00	2	2.5	250	1000	6.0"	1.60	100
3UCOIGG-03000-00	3	3.5	250	1000	7.9"	2.40	100
3UCOIGG-04000-00	4	4.5	250	1000	11.9"	3.20	100
3UCOIGG-06000-00	6	7.0	250	1000	22.0"	7.20	100
3UCOIGG-08000-00	8	9.4	250	1000	30.0"	11.0	100
3UCOIGG-10000-00	10	11.5	200	800	40.0"	14.5	80

Special Petroleum Service

Uni-ZENE™ GG

Special service petroleum hose is designed to handle modern gasoline additives such as MTBE, ethanol and benzene.

Uni-ZENE™ GG hoses are built with an effective combination of polyamide, polyester and polypropylene film and fabrics to meet the demands of today's additives. Also recommended for all JP aviation fuels.

Rated for full vacuum.

Maximum length: 100 ft (10" -80 ft)

Operating Temperature: -40°F (-40°C) to +250°F (+121°C)



Part No.	I.D.	O.D.	MAX WP PSI	BURST PRES PSI	MBR	WT LBS/ FT	MAX LGT
3UCZEGG-01000-00	1	1.5	250	1000	4.0"	0.6	100
3UCZEGG-01500-00	1.5	2	250	1000	5.0"	0.8	100
3UCZEGG-02000-00	2	2.5	250	1000	6.0"	1.60	100
3UCZEGG-03000-00	3	3.5	250	1000	7.9"	2.40	100
3UCZEGG-04000-00	4	4.5	250	1000	11.9"	3.20	100
3UCZEGG-06000-00	6	7	250	1000	22.0"	7.20	100
3UCZEGG-08000-00	8	9.4	250	1000	30.0"	11.0	100
3UCZEGG-10000-00	10	11.5	200	800	40.0"	14.5	80

Special Chemical Service

Uni-FLON™

Special chemical service hoses are built to meet the demands of today's highly aggressive media. Superior chemical resistance is achieved with a PTFE, inner liner, reinforced with multiple plies of polyester and polypropylene films.

Rated for full vacuum.

Uni-FLON™ SG

Uni-FLON™ SS

Uni-FLON™ PS (is available on request)

Maximum length: 100 ft (10" - 80 ft)

Operating Temperature: -40°F (-40°C) to +250°F (+121°C)



Part No.	I.D.	O.D.	MAX WP PSI	BURST PRES PSI	MBR	WT LBS/ FT	MAX LGT
3UCFLSG-01000-00	1	2	250	1000	4.0"	0.6	100
3UCFLSG-01500-00	1.5	2	250	1000	5.0"	0.8	100
3UCFLSG-02000-00	2	2.5	250	1000	6.0"	1.6	100
3UCFLSG-03000-00	3	3.5	250	1000	7.9"	2.40	100
3UCFLSG-04000-00	4	4.5	250	1000	11.9"	3.20	100
3UCFLSG-06000-00	6	7.0	250	1000	22.0"	7.20	100
3UCFLSG-08000-00	8	9.4	250	1000	30.0"	11.0	100
3UCFLSG-10000-00	10	11.5	200	800	40.0"	14.5	80

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Bottom Loading Service

Uni-OIL™ or Uni-ZENE™

Uni-BL™ Ideal for transferring petroleum and aromatic products in production, refinery and distribution facilities. Suitable for all hose loading arms in bottom loading operations. Constructed with multiple plies of aromatic resistant films and fabrics. All hoses can be color coded to API color codes.

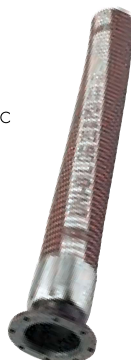
TTMA flanges are standard each end.

Maximum length: 100 ft

Operating Temperature:

Uni-OIL™: -40°F (-40°C) to +212°F (+100°C)

Uni-ZENE™: -40°F (-40°C) to +250°F (+121°C)



Part No.	I.D.	O.D.	MAX WP PSI	BURST PRES PSI	MBR	WT LBS/FT	MAX LGT
Special	3	3.4	250	1000	7.9"	2.40	100
Special	4	4.4	250	1000	11.9"	3.20	100

Vapor Recovery Service

Uni-VR

This hose is ideal for use in petroleum and petrochemical vapor recovery systems in ship to shore, bottom loading and tank truck applications. This hose is lightweight and flexible. Manufactured to meet specification CFR33-154.

Rated for full vacuum.

Maximum length: 100 ft (10" - 80 ft)

Operating Temperature: -40°F (-40°C) to +212°F (+100°C)



Part No.	I.D.	O.D.	MAX WP PSI	BURST PRES PSI	MBR	WT LBS/FT	MAX LGT
3UCVRGG-01000-00	1	1.5	100	400	4.0"	0.58	100
3UCVRGG-01500-00	1.5	1.9	100	400	5.0"	0.79	100
3UCVRGG-02000-00	2	2.4	100	400	6.0"	1.18	100
3UCVRGG-03000-00	3	3.4	100	400	7.9"	1.88	100
3UCVRGG-04000-00	4	4.4	100	400	11.9"	2.70	100
3UCVRGG-06000-00	6	6.75	100	400	22.0"	7.0	100
3UCVRGG-08000-00	8	9.0	100	400	30.0"	10.0	100
3UCVRGG-10000-00	10	10	75	300	40.0"	13.0	80

*Available with a polypropylene coated and stainless steel inner helix.

Uni-FLON™ HT High Temperature Composite Hose

Novaflex Uni-FLON™ is designed as an upgraded version of Novaflex's standard Uni-FLON™ except that it has a temperature rating of 350°F (177°C). The high temperature version has the same Teflon® tube but the reinforcement elements have been upgraded to polyamides and nylons that have superior strength at elevated temperatures permitting the 250psi working pressure to be maintained.

Rated for full vacuum.

Uni-FLON™ SG

Uni-FLON™ SS

Maximum length: 100 ft (10" -80 ft)

Operating Temperature: -40°F (-40°C) to +350°F (+175°C)



Part No.	I.D.	O.D.	MAX WP PSI	BURST PRES PSI	MBR	WT LBS/ FT	Plies	MAX LGT
3UCFLHTSS01.00	1	1.5	250	1000	4.0"	.6	2	100
3UCFLHTSS01.08	1.5	2.0	250	1000	5.0"	.8	2	100
3UCFLHTSS02.00	2	2.5	250	1000	6.0"	1.6	2	100
3UCFLHTSS03.00	3	3.5	250	1000	7.9"	2.4	2	100
3UCFLHTSS04.00	4	4.5	250	1000	11.9"	3.2	2	100
3UCFLHTSS06.00	6	7.0	250	1000	22.0"	7.2	2	100
3UCFLHTSS08.00	8	9.4	250	1000	30.0"	11.0	2	100
3UCFLHTSS10.00	10	11.5	200	800	40.0"	14.5	2	50

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Uni-Oil™ 300HT High Temperature Composite Hose

Novaflex Uni-Oil™ HT is a high temperature version of the standard Uni-Oil™ petroleum hose.

This high temperature hose can handle maximum operating temperatures of 300°F (149°C). The hose design uses a composite of temperature resistant materials and is rated for use with a wide range of petroleum products.

Rated for full vacuum.

Maximum length: 100 ft (10" -80 ft)

Operating Temperature: -40°F (-40°C) to +300°F (+149°C)



Part No.	I.D.	O.D.	MAX WP PSI	BURST PRES PSI	MBR	WT LBS/ FT	MAX LGT
3UCOIHT01.00	1	1.5	250	1000	4.0"	.65	100
3UCOIHT01.08	1.5	2.0	250	1000	5.0"	.85	100
3UCOIHT02.00	2	2.5	250	1000	6.0"	1.7	100
3UCOIHT03.00	3	3.5	250	1000	7.9"	2.6	100
3UCOIHT04.00	4	4.5	250	1000	11.9"	3.4	100
3UCOIHT06.00	6	7.0	250	1000	22.0"	7.2	100
3UCOIHT08.00	8	9.4	250	1000	30.0"	11.0	100
3UCOIHT10.00	10	10.5	200	800	40.0"	14.5	50

Uni-BioFuel™ 100

Biodiesel and Ethanol Service

Uni-BioFuel™ 100, a special alternative fuel hose designed to handle all grades of bio-diesel, including 100% B100, neat bio-diesel and E85 - 85% ethanol fuel blends. Uni-BioFuel™ hoses are built with a specialized combination of high performance films and fabrics designed to handle today's fully concentrated alternative fuels.

Rated for full vacuum.

Maximum length: 100 ft (10" -80 ft)

Temperature Range: -40°F (-40°C) to +250°F (+121°C)



PART NO	I.D.	O.D.	MAX WP PSI	BURST PRES PSI	BEND RADIUS (INCH)	WT LBS/FT	MAX LGTH
3UCBIOFUEL-01.00	1	1.5	250	1000	4.0"	0.65	100
3UCBIOFUEL-01.08	1.5	2.0	250	1000	5.0"	0.85	100
3UCBIOFUEL-02.00	2	2.5	250	1000	6.0"	1.7	100
3UCBIOFUEL-03.00	3	3.5	250	1000	7.9"	2.6	100
3UCBIOFUEL-04.00	4	4.5	250	1000	11.9"	3.4	100
3UCBIOFUEL-06.00	6	7.0	250	1000	22.0"	7.2	100
3UCBIOFUEL-08.00	8	9.4	250	1000	30.0"	11.0	100
3UCBIOFUEL-10.00	10	11.5	200	800	40.0"	14.5	80

Novaflex Bend Restrictor for Composite Dock Hose

A better way to move the tangent, flex point away from the end of the coupling system.
Long lasting EPDM rubber provides added life.



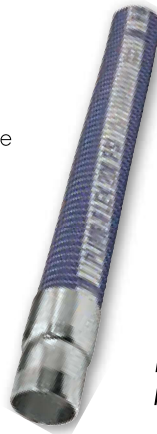
Part No.	Hose Size	Description	Actual ID	Actual OD	Wall Ga.	Length
5164BE-07333-FR	100	EPDM FLEX RESISTOR	4.875"	5.875"	.500"	30"
5164BE-09500-FR	150	EPDM FLEX RESISTOR	7.333"	8.833"	.750"	36"
5164BE-09500-FR	200	EPDM FLEX RESISTOR	9.500"	11.00"	.750"	42"

Novaflex Pump-Flex™ Composite Hose

Specifically designed for the Pump Rental Industry.
This suction & discharge hose requires less manpower to install than rubber hose; provides extreme flexibility, light-weight handling and excellent service life. This hose features crimped couplings, absorbs pump pulsations. Excellent for the transfer of water, light chemicals and many light petroleum products. Easy to package for shipping and storage.
Rated for full vacuum.

Construction:

Standard lengths 10 ft & 20 ft. with CS 150lb fixed x floating flanges.
Flanges crimped each end.
Other fitting combinations available.
Maximum length 100 ft (10" = 80 ft)
Operating Temperature -40° F to 212° F (-40° C to +100° C)
(Consult the Novaflex chemical resistance chart for chemical compatibility before use).



Part No.	INS ID	OUT ID	Min Bend Radius	Burst Pres PSI	WP PSI	Hose Wt/Ft lbs
3UCFPGG04.00	4	4.4	14.2"	800	200	2.7
3UCFPGG06.00	6	6.75	22.0"	800	200	7.0
3UCFPGG08.00	8	9.0	30.0"	800	200	10
3UCFPGG10.00	10	11.5	40.0"	600	200	13
3UCFPGG12.00	12	13.5	47.0"	450	150	15.5

Not for use in Marine Dock, Crude Oil, Bunker Oil or heavy viscous product applications. For these applications, contact Novaflex.

Composite Hose Couplings

Uni-Chem couplings are available to meet the applications connection requirements. These couplings are crimped on to the Uni-Chem to insure a complete seal between the hose and the coupling.
Composite carbon and stainless steel couplings are designed to match the working pressure (WVP) of Novaflex hoses. When using polypropylene/plastic couplings the working pressure of the hose assembly is reduced to the below WVP of hose ID:
1", 1½" & 2" IDS - max 100 psi WVP
3" IDs - max 75 psi WVP



Stem & Gasket



Ferrule



Gasket