

# Novaflex®

# Fluid Transfer Equipment for DEF



**Uni-Chem® PG Composite Hose** is a DEF Compliant Hose with an "A Rating for Urea" and is made with carefully selected materials throughout. Combined with both a lightweight construction and uniformly crimped ends for maximum operator ease of handling, Uni-Chem's® composite design provides the most flexible media transfer solution.

Composite Hose is 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, this hose can be operated at positive pressure or full suction. Rated for full vacuum.

### Specifications

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

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

Part No.	I.D.	O.D.	Max W.P. Psi	Burst Pres. Psi	MBR (in)	Wt Lbs/Ft
3UCCHPG-01000-00	1	1.5	200	1000	4.0"	0.60
3UCCHPG-01500-00	1.5	1.9	200	1000	5.0"	0.80
3UCCHPG-02000-00	2	2.4	200	1000	6.0"	1.60
3UCCHPG-03000-00	3	3.4	200	1000	7.9"	2.40

### Diesel Exhaust Fluid (DEF) is 32.5% high purity urea and de-ionized water.

In order to meet the demands of EPA2010 standards, commercial vehicle manufacturers have evaluated various engine technologies that will provide low emissions and increased performance. SCR technology or Selective Catalytic Reduction is the option many engine and truck manufacturers have chosen. A separate tank is fitted on the SCR truck to house the emission fluid. It is estimated that refueling the emissions tank will occur every other diesel fuel fill up.

## Novaflex 4700 UHMW Chemical Suction & Discharge Hose

is a DEF Compliant Hose with an "A Rating for Urea". This lightweight flexible chemical transfer hose is designed for almost every common industrial chemical application. Highly resistant to corrosive chemicals and abrasion.

UHMW tube is non-staining.

### Specifications:

Tube: Clear Ultra High Molecular Weight polyethylene.

Reinforcement: Multiple plies of high tensile textile with dual helix

Cover: Green abrasion resistant EPDM

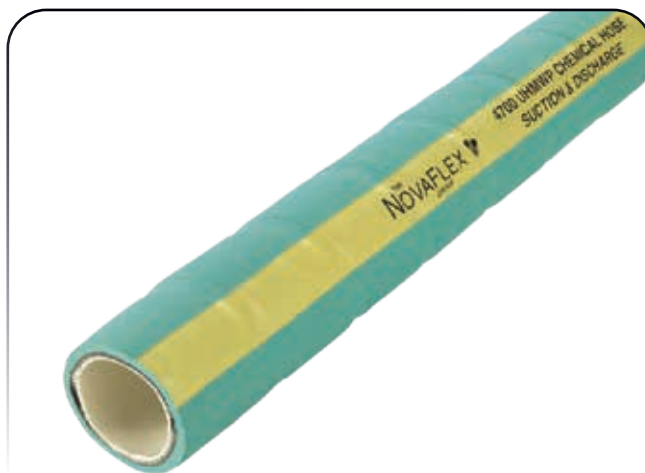
(Blue, yellow, black, grey, white and purple color hose covers also available for non-stock orders. Minimum 400ft hose order per I.D. required.

Standard length: 100 ft.

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

Consult chemical resistant chart prior to use. Not for steam service.

Can be open end steam cleaned



Part No.	I.D.	O.D.	Plies	MBR (in)	Vacuum Hg	WP Psi	WT LBS/FT
4700CU-01000-00	1	1.47	2	4	29"	200	0.63
4700CU-01500-00	1.5	2.08	2	5	29"	200	1.06
4700CU-02000-00	2	2.58	2	8	29"	200	1.33
4700CU-03000-00	3	3.61	2	16	29"	200	2.12

**WARNING! Never use Novaflex 4700 or Composite Hose above the ratings listed by Novaflex.** Elevated temperatures can change the chemical resistance rating of these hoses. Check the chemical resistance charts published by Novaflex to verify that the chemical to be transferred is rated for use with the UHMW or polypropylene tube at the temperature and 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.

The information provided within is for informational purposes only. We have made every effort to ensure the accuracy of the provided information and assume no responsibility for any loss or damage due to errors or omissions or to the use or misuse of any information supplied. It is impossible to test all products under all conditions to which they might be subjected in the field. It is therefore the buyer and/or end users' responsibility to test all products under the conditions that duplicate the service conditions prior to installation. All improvements, all specifications are subject to change without prior notice. It is the buyer and/or end users' responsibility to review our complete **Terms and Conditions of Sale** located on our web sites at: [www.novaflex.com](http://www.novaflex.com) | [www.z-flex.com](http://www.z-flex.com) | [www.flexmaster.com](http://www.flexmaster.com).

**Indianapolis, IN** Tel 317.334.1444 Fax 317.334.1535 800.526.6288  
**Haw River, NC** Tel 336.578.2161 Fax 336.578.5554 800.334.4270  
**Berlin, NJ** Tel 856.768.2275 Fax 856.768.2385 800.225.0215  
**Ajax, ON** Tel 905.686.5200 Fax 905.686.8349