

# Novaflex® DEF Compliant Hoses



**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.

### Specifications

P- Polypropylene Coated Steel Inner Helix

G- High Tensile Galvanized Carbon Steel Outer Helix

(PS style hose also available with *Stainless Steel outer wire*)

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 | Max Length |
|------------------|------|------|--------------|-----------------|----------|-----------|------------|
| 3UCCHPG-01000-00 | 1    | 1.5  | 250          | 1000            | 4.0"     | 0.58      | 100        |
| 3UCCHPG-01500-00 | 1.5  | 1.9  | 250          | 1000            | 5.0"     | 0.79      | 100        |
| 3UCCHPG-02000-00 | 2    | 2.4  | 250          | 1000            | 6.0"     | 1.18      | 100        |
| 3UCCHPG-03000-00 | 3    | 3.4  | 250          | 1000            | 7.9"     | 1.88      | 100        |

**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.

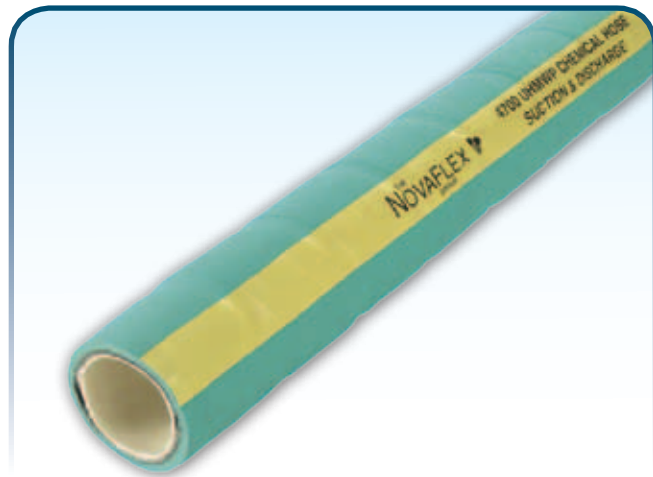
Standard length: 100 ft.

Operating Temperature: -40°F to +250°F.

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      |



### 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.

**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 UHMWP 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. All hose and duct manufactured by Novaflex are warranted to be free from all defects in material and workmanship. It is impossible to test Novaflex hose and duct under all conditions to which they might be subjected in the field. It is therefore the buyer and/or end user's responsibility to test all Novaflex hose and duct under conditions that duplicate the service conditions prior to installation. Due to continuous improvements, technical data is subject to change without notice.

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