

## Fluid Transfer Equipment for DEF

Novaflex is your complete provider of high quality DEF Fluid Transfer Equipment and offers a wide range of different products of Composite hose, Rubber hose, Dry Release Couplings and Safety Breakaway Couplings. Everything you need to provide a safe and easy working environment for DEF transfer.



### Novaflex® Chemical UHMW Rubber Hose

Novaflex 4700 is one of the stalwarts of Novaflex. This multipurpose chemical S & D hose with **Ultra High Molecular Weight Polyethylene** tube has proven its capabilities over and over again. It's the perfect rubber hose for DEF service and is very competitively priced. Comes with green abrasion resistant EPDM cover and is also available in a crush proof version, 4705.

#### Novaflex 4700 a UHMW Chemical Suction & Discharge Hose

A lightweight flexible chemical transfer hose designed for both suction and discharge applications. The special **Ultra High Molecular Weight Polyethylene** tube will handle 98% of all industrial chemicals. Heavy duty hose cover designed to resist abrasion, ozone, chemicals and general abuse associated with tank truck and in plant applications. (See Chemical Resistance Chart, chemical rating is dependent on the temperature of the chemical.)

Non-staining UHMW tube. To utilize the maximum temperature rating of the hose always install permanently attached fittings.

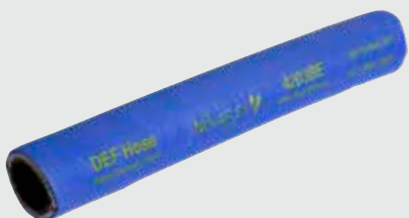
#### Construction:

Tube: UHMWPE

Cover: Green abrasion resistant green EPDM, steel helix with multiple plies of tire cord

Temperature Range: -40°F to +250°F.

Part No.	I.D.	O.D.	Plies	MBR (in)	Vacuum Hg	WP psi	Wt Lbs/FT
4700CU07500-00	¾"	1.20	2	3.5	29"	250	0.58
4700CU01000-00	1"	1.55	2	4	29"	250	0.63
4700CU01250-00	1¼"	1.80	2	4.5	29"	250	0.80
4700CU01500-00	1½"	2.05	2	5	29"	250	1.06
4700CU02000-00	2"	2.56	2	8	29"	250	1.33
4700CU02500-00	2½"	3.08	2	10	29"	200	1.78
4700CU03000-00	3"	3.61	2	16	29"	200	2.12
4700CU04000-00	4"	4.65	2	24	29"	200	2.83
4700CU06000-00	6"	7.07	4	30	29"	200	4.95



### Novaflex 4203 Diesel Exhaust Fluid (DEF) Transfer Hose for Hose Reel applications

The Novaflex 4203 DEF hose is specifically designed for smaller ID hose reel applications. The specially formulated EPDM tube compound is ideal for the characteristics of DEF. This hose is available with both Black and Blue abrasion resistant EPDM cover and can be supplied in lengths of 50' or 100'. This is a 200psi working pressure rated hose specifically designed to transfer DEF fluids. This suction and discharge hose has an EPDM construction designed to be resistant to the effects of the media transferred. This hose is flexible and excellent for reel applications.

#### Construction:

Tube: Specially formulated EPDM.

Reinforcement: Plies of cord and helix wire.

Cover: Blue EPDM.

Length: 50 ft & 100 ft plain ends/boxed.

Branding: DEF Hose, 4203BE, 200psi, 210° max temp, Urea Fluid.

Temperature Range: -40° (-40°C) to +210°F (+98°C).

Part No.	I.D.	MBR (in)	Vacuum HG	Plies	WP psi	Wt Lbs/FT
4203BE01000-00	¾"	2.5	Full	2	200	0.48
4203BE01250-00	1"	3	Full	2	200	0.6
4203BE01500-00	1½"	6	Full	2	200	0.63
4203BE01500-00	2"	6	Full	2	200	1.52



### Novaflex® Chemical Composite Hose

The Novaflex® Uni-Chem family of Composite hose offers a more flexible and more operator friendly solution for bulk transfer of DEF. It's unique design with multiple layers of Polypropylene film rather than a solid tube, give this hose its unique characteristics. This also allows the hose to remain flexible at very low temperatures. Can be supplied with your choice of end fittings from regular cam and groove and MNPT's to the high end Novaflex® HDC Dry Release™ couplings.

#### 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. Full vacuum.

##### Uni-Chem PG, PS

P- Polypropylene Coated Steel Inner Helix  
G- High Tensile Galvanized Carbon Steel Outer Helix

S- 316L Stainless Steel - Outer Helix

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

Part No.	I.D.	O.D.	WP Psi	Burst Pres. Psi	MBR	Wt Lbs/Ft
3UCCHPG01000-00	1"	1.5	250	1000	4.0"	0.60
3UCCHPG01500-00	1.5"	1.9	250	1000	5.0"	0.80
3UCCHPG02000-00	2"	2.4	250	1000	6.0"	1.60
3UCCHPG03000-00	3"	3.4	250	1000	7.9"	2.40
3UCCHPG04000-00	4"	4.4	250	1000	11.9"	3.20
3UCCHPG06000-00	6"	7.0	250	1000	22.0"	7.20
3UCCHPG08000-00	8"	9.4	250	1000	30.0"	11.0
3UCCHPG10000-00	10"	11.5	250	800	40.0"	14.50

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### Novaflex 'HDC'<sup>™</sup> The Next Generation in Dry-Release Technology

State of the art couplings and adapters designed to safely transfer the most aggressive and valuable product with minimum operator intervention.

New Novaflex Hi-Flow Dry-Release<sup>™</sup> Coupling & Adapter product range exceeds the performance of every compatible coupling, (also referred to as dry break couplings), available today.

Drawing on decades of real world application experience, Novaflex 'HDC' optimizes every area of function and design to deliver a truly innovative and reliable safety product.



### Novaflex HDC Dry Release Couplings

Next Generation Dry release Couplings, Novaflex HDC, is the perfect solution for bulk transfer of DEF and many other hazardous liquids and gases. Interchangeable with other brands conforming with STASNAG3756, Novaflex HDC is truly the result of 40 years of customer feedback. Lighter weight, significantly better flow, positive locking mechanism, dual ball race and ease of maintenance are a few of the improvements the HDC will provide. Compared to standard camlock couplings, HDC offers a unique coupling interface.

This will prevent costly mistakes caused by cross contamination. To further eliminate any risk of product contamination, the HDC can be equipped with selectivity; a keyed system which will allow the coupler only to connect with the dedicated adapter.

### Novaflex Safety Breakaway Couplings

The Novaflex breakaway coupling is the ultimate fail safe product. Installing a breakaway coupling in the pipe system eliminates costly damage to equipment as well as expensive cleanups in the case where the operator drives away while still having a hose or loading arm connected to the truck. The Breakaway coupling is designed to be the weak link in the system and will break and shut its internal valves closed before hardly any product is released to the ground. Available in two styles, sheer pin and cable release and in two versions, standard and high flow.



### ABVL Series

Part Number : ABVL Series

ABVL Series is designed to prevent industrial accidents. For applications that require maximum flow, the ABVL styl is the desired choice.

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