

# Industrial Rubber Products Chemical Hose

THE  
**NOVAFLEX**  
GROUP



**Ind Hyd Hose Solutions Inc.**

[ihh-solutions.com](http://ihh-solutions.com)

## High Temperature Hose

### Novaflex 9155

#### Furnace Door Fiberglass Hose

Designed to withstand extreme external heat +1000°F (+378°C) from exterior in open hearth steel mill furnaces. Carries water to the furnace door.

#### Construction:

Tube: Green SBR non-conductive synthetic rubber.  
 Reinforcement: Plies of polyester tire cord  
 Cover: One ply of white fiberglass fabric.  
 Length: 100 ft (30.5m)  
 Temperature Range: up to +180°F (+82°C) Internal.  
 [+1000°F (+537°C) External]  
 Working Pressure: 1" to 300psi (20 Bar) , 2" to 250psi (17 Bar)  
 Style No: 9155GS  
 Available with Nomex® fabric cover  
**Novaflex style 9156** for added abrasion resistance.



All guidelines should be clearly understood before specifying or using any Novaflex® product. Failure to follow recommended application information and recommended procedures may result in premature failure, resulting in bodily injury or property damage. Contact Novaflex® or your local Novaflex® distributor for assistance.

- Temperature may effect the service life of a hose assembly.
- Even though the hose has a specific temperature rating, time can also effect the coupling attachment method.
- The temperature rating of the hose should never be exceeded.
- Always have an inspection and test program for all hoses every six months.
- Always err on the side of safety. Remove a hose from service if there is any doubt about its serviceability.

**Coupled assemblies** - Novaflex® hoses have specific working pressures published. Never exceed the working pressure for any reason. The choice of coupling and the attachment method may cause the assembly to have a lower working pressure because the couplings may not be able to take the hose to its rated burst pressure.

**Chemical Hose** - Always consult the Novaflex® Chemical Resistance Chart to verify chemical compatibility. (See: [www.novaflex.com](http://www.novaflex.com)). Do not use chemicals at higher temperatures than shown on the Chemical Resistance Chart. Higher temperatures increase the effect of the chemicals on hose tubes. If temperatures above 125° F are applicable, please consult Novaflex®.

**Proper Care Use & Maintenance** - See Novaflex® Correct Care and Maintenance Guide form no 2003-1 (See: [www.novaflex.com](http://www.novaflex.com)).

**Hose Coupling** - Always use the NAHAD Assembly Guidelines for working pressure. Use Coupling Manufacturer's recommendations for attachment, application and testing procedures.

### Novaflex 5520

#### Red Low Pressure Non-Conductive Steam Hose 100psi

This flexible textile reinforced hose is ideal for transferring steam in medium duty applications. This is a non-conductive steam hose and should only be used where non-conductive hose is applicable.

#### Construction:

Tube: Red EPDM rubber  
 Reinforcement: Plies of fiberglass tire cord  
 Cover: Smooth Red weather and abrasion resistant EPDM rubber  
 Length: 100 ft (30.5m)  
 Temperature Range: up to +338°F (+170°C)  
 Working Pressure: 100psi (7 Bar)  
 Non-conductive.  
 Style No: 5520RE

**Novaflex style 5510** where an electrically conductive hose is required. Available in black low pressure conductive steam



## Chemical Hose

### Novaflex 4200

#### EPDM Chemical Suction Hose

A medium duty chemical suction and discharge hose designed to meet the general needs of the industry.

#### Construction:

Tube: Black high grade EPDM

Reinforcement: Multiple plies of tire cord with dual helix wire

Cover: Blue EPDM

Length: 100 ft (30.5m)

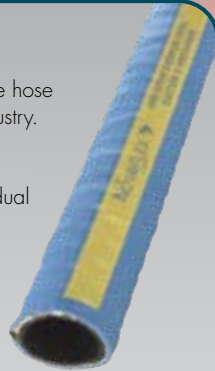
Temperature Range: -30°F (-35°C) to +225°F (+107°C)

Working Pressure: 150psi (10 Bar)

Consult chemical resistance chart

Not for steam service, can be open end steam cleaned

Style No: 4200BE



### Novaflex 4600

#### FEP Chemical Transfer Hose

Recommended for the transfer of products that require a hose tube with the highest level of chemical resistance.

The FEP "teflon-type" tube provides that extra margin of safety; with a white chemical resistant back up rubber stock for high adhesions. FEP transfer hose is excellent for tank truck, barge loading; storage tank transfer and in plant applications requiring flexibility and durability.

#### Construction:

Tube: FEP

Reinforcement: Multiple plies of polyester tire cord with helix wire

Cover: Blue EPDM (Available in red, black, grey, yellow, green, white with 400ft. order)

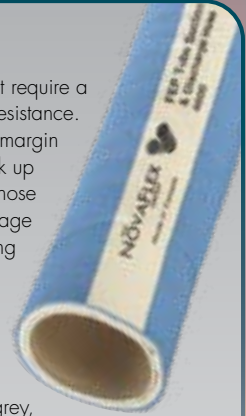
Couplings: Use only permanently attached couplings designed for Teflon-type tube hoses

Length: 100 ft (30.5m)

Temperature Range: -40°F (-40°C) to +300°F (+148°C) *dependant on chemical conveyed.*

Working Pressure: 1" 450psi (31 Bar), 2" 300psi (21 Bar)

Consult chemical resistant chart. Style No: 4600CF



### Novaflex 4201

#### EPDM Chemical Discharge Hose

A high quality discharge hose designed to transfer common chemicals found in industrial service.

#### Construction:

Tube: Black high grade EPDM Weight polyethylene

Reinforcement: Multiple plies of tire cord

Cover: Blue EPDM (Available in red, blue, yellow black and grey, white & orange - with 400ft order)

Length: 100 ft (30.5m)

Temperature Range: up to -30°F (-35°C) to +225°F (+107°C)

Working Pressure: 150psi (10 Bar)

Consult chemical resistant chart.

Not for steam service, can be open end steam cleaned.

Style No: 4201BE



### Novaflex 4700\*

#### UHMW Chemical Suction & Discharge Hose

A lightweight flexible chemical transfer hose designed for almost every common industrial chemical used in industry today. Non-staining UHMW tube.

#### Construction:

Tube: Clear Ultra High Molecular Weight polyethylene

Reinforcement: Multiple plies of high tensile textile with monofilament helix

Cover: Green abrasion resistant EPDM (Available in red, blue, yellow black and grey, white & orange with 400ft order)

Length: 100 ft (30.5m)

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

Working Pressure: ¾" to 2" 250psi (17 Bar).

2½" to 6" 200 psi (13 Bar)

Consult chemical resistant chart. Not for steam service, can be open end steam cleaned. Style: 4700CU



### Novaflex 4203BE

#### Diesel Exhaust Fluid (DEF) Transfer Hose

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

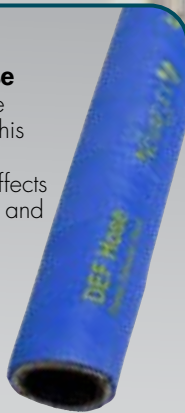
Cover: Blue EPDM

Length: 50 ft & 100 ft plain ends/boxed

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

Working Pressure: 200psi (13 Bar)

Style: 4203BE



## Chemical Hose

### Novaflex 4704\* Corrugated

#### UHMWP Chemical Suction & Discharge Hose

A corrugated version of 4700 designed to offer added flexibility.

#### Construction:

Tube: Clear Ultra High Molecular Weight polyethylene.

Reinforcement: Multiple plies of high tensile textile with dual helix

Cover: Green abrasion resistant green EPDM  
(Available in blue, yellow black and grey, white - with 400ft order)

Length: 100 ft (30.5m)

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

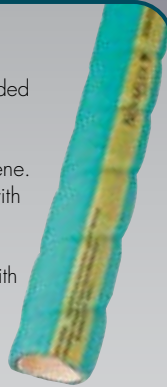
Working Pressure: 1½" - 2" 250 psi (17 Bar)

2½" - 3" 200psi (14 Bar)

Consult chemical resistant chart

Not for steam service. Can be open end steam cleaned

Style No: 4704CU



### Novaflex 4705\*

#### UHMW Crush & Kink Resistant Chemical Hose

Special kink and crush resistant version of 4700 design utilizing a multi-ply construction with dual special monofilament helix rods. Excellent for use in those demanding abusive transfer applications. To utilize the maximum temperature rating of the hose always permanently attach couplings

#### Construction:

Tube: Clear ultra high molecular weight polyethylene

Reinforcement: Multiple plies of high tensile textile with monofilament helix, static wire

Cover: Green EPDM rubber

Length: 100 ft (30.5m)

Temperature Range: up to -40°F (-40°C) to +212°F (+82°C)

Working Pressure: 200psi (13 Bar).

Style No: 4705CU



### Novaflex 4800/4878

#### Viton<sup>®</sup> Acid Suction Hose

#### Novaflex 4800 Red Smooth Nitrile Cover

#### Novaflex 4878 Black Smooth Nitrile Cover

Recommended for transfer of acid, solvents and chemicals either by pressure or gravity flow. Used as chemical transfer hose for loading tank cars, transport trucks and storage tanks.

#### Construction:

Tube: Viton<sup>®</sup> chemical and heat resistant rubber

Reinforcement: Plies of polyester tire cord with helix wire

Cover: Smooth black weather and abrasion resistant nitrile rubber

Length: 100 ft (30.5m)

Temperature Range: -30°F (-35°C) to +250°F (+121°C)

Working Pressure: 200psi (13 Bar)

Consult chemical resistance chart. Not for steam service, can be open end steam cleaned. Style No:4800BV/4878BV



The Novaflex Group<sup>®</sup> is a market leader through excellence in product innovation and design. The Novaflex Group<sup>®</sup> is a privately held company committed to continuous advancement in hose and connector solutions. Novaflex<sup>®</sup> has one of the broadest product ranges available in the hose and ducting marketplace, as well as the HVAC, Industrial Venting, Dry-Release<sup>™</sup> Couplings and Commercial Exhaust Venting Systems. Products are sold in industries across North America and around the world.

**\*WARNING!** Elevated temperatures can change the chemical resistance rating of all tube compounds. Check the chemical resistance charts published by Novaflex to verify that the chemical to be transferred is rated for use with the specified 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 hoses above the ratings listed by Novaflex.



## Contact Us

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