

Air &  
Multipurpose  
*General Purpose*  
*Heavy Duty*  
*Push-on*

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Transfer**

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*Cement & Concrete*

Mining

Petroleum  
*Aircraft Fueling*  
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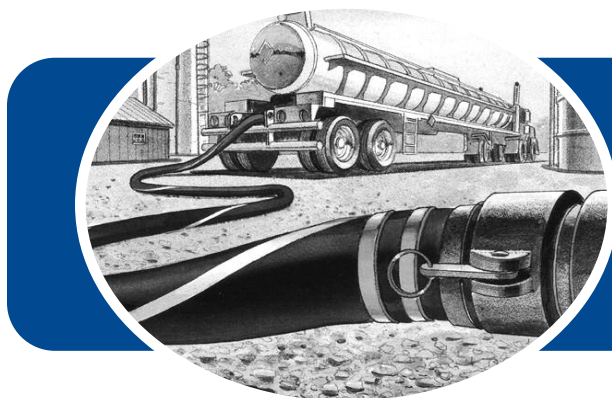
Vacuum

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# CHEMICAL TRANSFER

	<b>Page</b>	<b>Temp Range*</b>	<b>Superior Flexibility</b>	<b>Superior Abrasion Cover</b>	<b>Cover Color</b>
Blue Flexwing®	39	-25°F to 150°F			Blue
Brown Flexwing®	41	-30°F to 275°F	Yes		Brown
Fabchem™	38	-40°F to 150°F	Yes		Green
Green XLPE	40	-25°F to 150°F			Green
HI-PER®	42	-40°F to 300°F			Blue
Orange Flexwing®	43	-25°F to 250°F			Orange
Purple Flexwing®	44	-40°F to 220°F	Yes		Purple
Viper™	37	-40°F to 250°F	Yes	Yes	Black

\* Temperature is contingent on the specific chemical conveyed.



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# CHEMICAL TRANSFER



**APPLICATION:** For the transfer of a variety of industrial chemicals used today. (Refer to Goodyear Chemical Resistance Guide for compatibility.) For use in pressure, gravity flow and/or suction service. Hose may be cleaned using open-end steam up to 50 psi or in a bath containing 10% Sodium Hydroxide (NaOH), up to 212°F (100°C).

**CONSTRUCTION**

**TUBE:** Beige Alphasyn™ Modified Cross-Linked Polyethylene (Modified XLPE)

**COVER:** Black Omegasyn™ abrasion-resistant EPDM with white spiral stripe

**REINFORCEMENT:** Spiral-plied synthetic fabric with double wire helix

**TEMPERATURE:** -40°F to 250°F (-40°C to 121°C)

**PACKAGING:** 100' length coiled, polywrapped

**BRANDING:** Continuous spiral brand "Goodyear™ Viper Chemical Transfer Alphasyn 200 psi WP."

**COUPLINGS:** Fittings should be permanently attached for fluid temperatures above 125°F (52°C) and up to 250°F (121°C). Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.

**NON-STOCK/SIZES:** Refer to page 300 for special production run minimum requirements.

**ORDER CODES:** 546-345

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
3/4	19.1	1.25	31.7	200	1.38	4	100	29	737	0.45	0.67
1	25.4	1.45	36.9	200	1.38	4	100	29	737	0.53	0.79
1 1/4	32.0	1.71	43.6	200	1.38	5	125	29	737	0.64	0.95
1 1/2	38.1	1.95	49.6	200	1.38	5	125	29	737	0.74	1.10
2	50.8	2.54	64.5	200	1.38	7	175	29	737	1.16	1.73
2 1/2	63.5	3.05	77.5	200	1.38	8	200	29	737	1.41	2.10
3	76.2	3.59	91.2	200	1.38	10	250	29	737	1.82	2.71
4	101.6	4.64	117.8	200	1.38	14	350	29	737	2.42	3.61

Note: Refer to the Goodyear Chemical Resistance Chart on page 240 for Specific Chemical and Temperature Compatibility.

Viper chemical hose will handle fluid up to 250°F, however, this rating is contingent on the specific chemical conveyed. Contact Goodyear Customer Service at 1-800-235-4632 for any chemical above the temperature stated in the Goodyear Chemical Resistance Guide. Refer to the Goodyear Chemical Resistance Chart for Specific Chemical and Temperature Compatibility.



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Air & Multipurpose  
General Purpose  
Heavy Duty  
Push-on

**Chemical Transfer**

Cleaning Equipment

Food Transfer  
Washdown

Marine

Material Handling  
Abrasives  
Bulk Transfer  
Cement & Concrete

Mining

Petroleum  
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Vacuum

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Multipurpose  
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Push-on

# CHEMICAL TRANSFER

## FABCHEM™ PLIOSYN™ (UHMWPE) TUBE



### Chemical Transfer

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#### APPLICATION:

A significant improvement to Goodyear's chemical hose line. It handles the majority of common industrial chemicals in pressure, gravity flow, and suction service.

#### CONSTRUCTION

##### TUBE:

Pliosyn Ultra-High Molecular Weight Polyethylene (UHMWPE)

##### COVER:

Green Versigard® synthetic rubber with bright orange longitudinal stripe, corrugated (wrapped impression)

##### REINFORCEMENT:

Spiral-plied synthetic fabric with double wire helix

#### TEMPERATURE:

-40°F to 150°F (-40°C to 66°C)

#### PACKAGING:

100' exact length, coiled, polywrapped

#### BRANDING:

Continuous spiral brand "Goodyear™ Fabchem Chemical Transfer Hose, 200 psi WP."

#### COUPLINGS:

Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.

#### NON-STOCK/SIZES:

Refer to page 300 for special production run minimum requirements.

#### ORDER CODES:

546-065

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m
1/2	12.7	0.95	24.1	200	1.38	3	76	29	737	0.33	0.49
3/4	19.1	1.22	31.0	200	1.38	4	89	29	737	0.46	0.68
1	25.4	1.47	37.3	200	1.38	4	102	29	737	0.60	0.89
1 1/4	31.8	1.73	43.9	200	1.38	4	102	29	737	0.73	1.09
1 1/2	38.1	1.97	50.0	200	1.38	5	127	29	737	0.84	1.25
2	50.8	2.55	64.8	200	1.38	6	152	29	737	1.22	1.82
2 1/2	63.5	3.14	79.8	200	1.38	8	203	29	737	1.78	2.65
3	76.2	3.63	92.2	200	1.38	9	229	29	737	2.11	3.14
4	101.6	4.67	118.6	200	1.38	10	254	29	737	2.81	4.18

Note: Refer to the Goodyear Chemical Resistance Chart on page 240 for Specific Chemical and Temperature Compatibility.

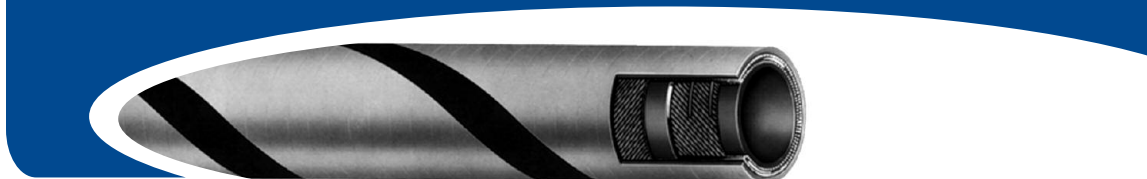


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# CHEMICAL TRANSFER

## BLUE FLEXWING® SPECLAR™ (XLPE)



- APPLICATION:** Handles the majority of today's industrial chemicals in pressure, gravity flow, or suction service.
- CONSTRUCTION**
- TUBE:** Clear Speclar™ synthetic rubber Cross-Linked Polyethylene (XLPE)
- COVER:** Blue Versigard® synthetic rubber with spiral white stripe (wrapped impression)
- REINFORCEMENT:** Spiral-plied synthetic fabric with double wire helix
- TEMPERATURE:** -25°F to 150°F (-32°C to 66°C)
- PACKAGING:** 100' exact length, coiled, polywrapped
- BRANDING:** Continuous spiral brand "Goodyear™ Blue Flexwing Chemical Transfer Hose with Speclar™ 200 psi WP."
- COUPLINGS:** Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.
- NON-STOCK/SIZES:** Refer to page 300 for special production run minimum requirements.
- ORDER CODES:** 546-066 (1/2" - 4")  
541-066 (6")

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1/2	12.7	0.96	24.4	200	1.38	6	152	29	737	0.30	0.45
3/4	19.1	1.22	31.0	200	1.38	7	178	29	737	0.45	0.67
1	25.4	1.47	37.3	200	1.38	8	203	29	737	0.55	0.82
1 1/4	31.8	1.75	44.5	200	1.38	9	229	29	737	0.70	1.04
1 1/2	38.1	2.04	51.8	200	1.38	10	254	29	737	0.95	1.41
2	50.8	2.58	65.5	200	1.38	12	305	29	737	1.22	1.82
2 1/2	63.5	3.13	79.5	200	1.38	15	381	29	737	1.65	2.46
3	76.2	3.70	94.0	200	1.38	18	457	29	737	2.24	3.33
4	101.6	4.73	120.1	200	1.38	24	610	29	737	3.01	4.48
6	152.4	6.89	175.0	200	1.38	36	914	29	737	6.14	9.14

Note: Refer to the Goodyear Chemical Resistance Chart on page 240 for Specific Chemical and Temperature Compatibility.

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General Purpose  
Heavy Duty  
Push-on

### Chemical Transfer

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Abrasives  
Bulk Transfer  
Cement & Concrete

Mining

Petroleum  
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Air &  
Multipurpose  
General Purpose  
Heavy Duty  
Push-on

# CHEMICAL TRANSFER

## GREEN XLPE CROSS LINK POLYETHYLENE



### Chemical Transfer

Cleaning Equipment

Food Transfer  
Washdown

Marine

Material Handling  
Abrasives  
Bulk Transfer  
Cement & Concrete

Mining

Petroleum  
Aircraft Fueling  
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**APPLICATION:**

Handles the majority of today's industrial chemicals in pressure, gravity flow, or suction service.

**CONSTRUCTION**

**TUBE:**

Clear Speclar™ synthetic rubber Cross-Linked Polyethylene (XLPE)

**COVER:**

Green Versigard® synthetic rubber with spiral white stripe (wrapped impression)

**REINFORCEMENT:**

Spiral-plied synthetic fabric with double wire helix

**TEMPERATURE:**

-25°F to 150°F (-32°C to 66°C)

**PACKAGING:**

100' exact length, coiled, polywrapped

**BRANDING:**

Continuous spiral brand example "Goodyear™ XLPE Chemical Transfer 150 psi."

**COUPLINGS:**

Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.

**NON-STOCK/SIZES:**

Refer to page 300 for special production run minimum requirements.

**ORDER CODES:**

546-666 (1/2" - 4")  
541-666 (6")

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1/2	12.7	0.97	24.6	150	1.03	6	152	29	737	0.31	0.46
3/4	19.1	1.23	31.2	150	1.03	7	178	29	737	0.44	0.65
1	25.4	1.47	37.3	150	1.03	8	203	29	737	0.54	0.80
1 1/4	31.8	1.73	43.9	150	1.03	9	229	29	737	0.66	0.98
1 1/2	38.1	2.03	51.6	150	1.03	10	254	29	737	0.92	1.37
2	50.8	2.61	66.3	150	1.03	12	305	29	737	1.32	1.96
2 1/2	63.5	3.11	79.0	150	1.03	15	381	29	737	1.65	2.46
3	76.2	3.61	91.7	150	1.03	18	457	29	737	2.02	3.01
4	101.6	4.69	119.1	150	1.03	24	610	29	737	2.95	4.39
6	152.4	6.86	174.1	150	1.03	36	900	29	737	6.07	9.04

Note: Refer to the Goodyear Chemical Resistance Chart on page 240 for Specific Chemical and Temperature Compatibility.



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# CHEMICAL TRANSFER

## BROWN FLEXWING® CHEMRIN® (CPE) TUBE



- APPLICATION:** A versatile chemical hose capable of handling a wide variety of acids, alcohols, salt solutions, and petroleum-based products.
- CONSTRUCTION**
- TUBE:** Black Chemrin synthetic rubber
- COVER:** Brown Versigard® synthetic rubber with white spiral brand (wrapped impression)
- REINFORCEMENT:** Spiral-plied synthetic fabric with double wire helix
- TEMPERATURE:** -30°F to 275°F (-34°C to 135°C)
- PACKAGING:** 100' exact length, coiled, polywrapped
- BRANDING:** Continuous spiral brand "Goodyear™ Brown Flexwing with Chemrin 150 psi WP."
- COUPLINGS:** Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.
- NON-STOCK/SIZES:** Refer to page 300 for special production run minimum requirements.
- ORDER CODES:** 546-069  
541-069 Custom lengths with fittings.

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
3/4	19.1	1.22	31.0	150	1.03	3	76	29	737	0.45	0.67
1	25.4	1.47	37.3	150	1.03	4	89	29	737	0.57	0.85
1 1/4	31.8	1.73	43.9	150	1.03	4	102	29	737	0.69	1.03
1 1/2	38.1	2.02	51.3	150	1.03	4	102	29	737	0.95	1.41
2	50.8	2.55	64.8	150	1.03	5	127	29	737	1.26	1.88
2 1/2	63.5	3.09	78.5	150	1.03	6	152	29	737	1.71	2.54
3	76.2	3.61	91.7	150	1.03	7	178	29	737	2.11	3.14
4	101.6	4.69	119.1	150	1.03	10	254	29	737	3.04	4.52
6	152.4	6.91	175.5	150	1.03	30	762	29	737	6.32	9.41

Note: Refer to the Goodyear Chemical Resistance Chart on page 240 for Specific Chemical and Temperature Compatibility.

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Heavy Duty  
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### Chemical Transfer

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Bulk Transfer  
Cement & Concrete

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Petroleum  
Aircraft Fueling  
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Suction &  
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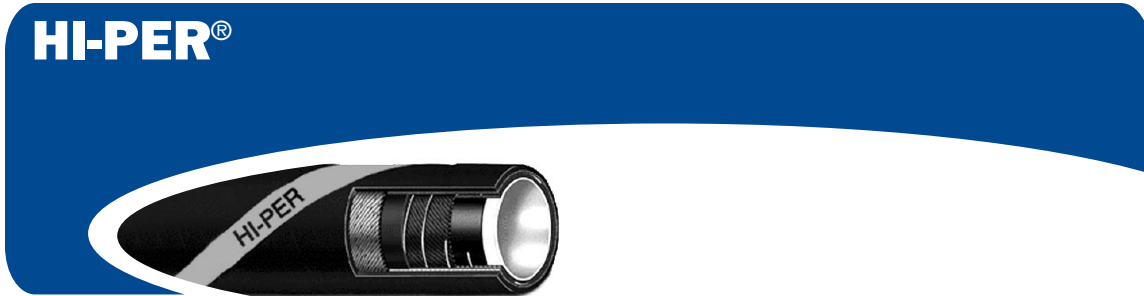


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Air &  
Multipurpose  
General Purpose  
Heavy Duty  
Push-on

# CHEMICAL TRANSFER



**Chemical Transfer**

Cleaning Equipment

Food Transfer Washdown

Marine

Material Handling  
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Bulk Transfer  
Cement & Concrete

Mining

Petroleum  
Aircraft Fueling  
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- APPLICATION:** A premium hose which is Teflon® lined to handle a broad spectrum of fluids and materials in a wide variety of applications.
- CONSTRUCTION**
- TUBE:** Teflon® Fluoroethylenepropylene (FEP) has FDA/USDA compliant materials
- COVER:** Blue Versigard® synthetic rubber with bright orange spiral transfer tape (wrapped impression)
- REINFORCEMENT:** Spiral-plied synthetic fabric with double wire helix
- TEMPERATURE:** -40°F to 300°F (-40°C to 149°C)
- PACKAGING:** Custom lengths available (minimum 5')
- BRANDING:** Continuous spiral brand "Goodyear™ Hi-Per Universal Chemical Hose Teflon lined."
- COUPLINGS:** Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.
- NON-STOCK/SIZES:** Order in increments of 100' for 1/2"-2"  
Order in increments of 60' for 2 1/2" and larger sizes
- ORDER CODES:** 546-256

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m
1/2	12.7	0.97	24.6	200	1.38	3	76	29	737	0.37	0.55
3/4	19.1	1.11	28.2	200	1.38	5	127	29	737	0.56	0.83
1	25.4	1.52	38.6	200	1.38	8	191	29	737	0.71	1.06
1 1/4	31.8	1.73	43.9	200	1.38	11	279	29	737	0.84	1.25
1 1/2	38.1	2.13	54.1	200	1.38	14	356	29	737	1.24	1.85
2	50.8	2.69	68.3	200	1.38	18	457	29	737	1.71	2.54
2 1/2	63.5	3.14	79.8	200	1.38	22	559	29	737	2.01	2.99
3	76.2	3.67	93.2	200	1.38	35	889	29	737	2.52	3.75

Note: Refer to the Chemical properties of Teflon® Chart on page 240 for Specific Chemical and temperature Compatibility. Teflon® is a registered trademark of DuPont.



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# CHEMICAL TRANSFER

## ORANGE FLEXWING® FLOSYN™ TUBE



- APPLICATION:** A versatile chemical hose capable of handling a wide variety of acids, alcohols, salt solutions, and petroleum-based products.
- CONSTRUCTION**
- TUBE:** Black Flosyn synthetic rubber
- COVER:** Orange Chemivic® synthetic rubber with white spiral brand (wrapped impression)
- REINFORCEMENT:** Spiral-plied synthetic fabric with double wire helix
- TEMPERATURE:** -25°F to 250°F (-32°C to 121°C)
- PACKAGING:** 100' exact length, coiled, polywrapped
- BRANDING:** Continuous spiral brand "Goodyear™ Orange Flexwing with Flosyn 150 psi WP."
- COUPLINGS:** Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.
- NON-STOCK/SIZES:** Order in increments of 100'
- ORDER CODES:** 541-063

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m.
1	25.4	1.44	36.6	150	1.03	4	89	29	737	0.61	0.91
1 1/4	31.8	1.73	43.9	150	1.03	4	102	29	737	0.79	1.18
1 1/2	38.1	1.97	50.0	150	1.03	4	102	29	737	0.95	1.41
2	50.8	2.58	65.5	150	1.03	5	127	29	737	1.45	2.16
2 1/2	63.5	3.08	78.2	150	1.03	6	152	29	737	1.77	2.63
3	76.2	3.59	91.2	150	1.03	7	178	29	737	2.26	3.36
4	101.6	4.69	119.1	150	1.03	10	254	29	737	3.31	4.93
6	152.4	6.81	173.0	150	1.03	30	762	29	737	6.29	9.36

Note: Refer to the Goodyear Chemical Resistance Chart on page 240 for Specific Chemical and Temperature Compatibility.

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### Chemical Transfer

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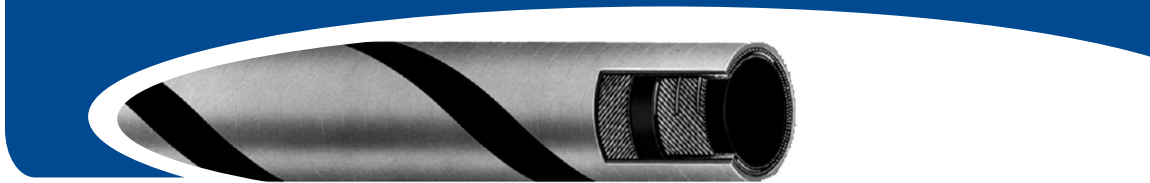
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Air &  
Multipurpose  
General Purpose  
Heavy Duty  
Push-on

# CHEMICAL TRANSFER

## PURPLE FLEXWING®



**Chemical Transfer**

Cleaning Equipment

Food Transfer Washdown

Marine

Material Handling  
Abrasives  
Bulk Transfer  
Cement & Concrete

Mining

Petroleum Aircraft Fueling  
Dispensing  
Dock Transfer

Spray

Steam

Vacuum

Water Discharge  
Suction & Discharge  
Washdown

Welding

Coupling Systems

Appendix  
Additional Products  
Chemical Charts  
General Information  
Minimum Run Requirements

- APPLICATION:** A versatile hose developed to handle a wide range of chemicals, acids, and alcohols in both suction and discharge service.
- CONSTRUCTION**
- TUBE:** Black Versigard® synthetic rubber
- COVER:** Purple Versigard with yellow spiral brand (wrapped impression)
- REINFORCEMENT:** Spiral plied synthetic fabric with double wire helix
- TEMPERATURE:** -40°F to 221°F (-40°C to 104°C)
- PACKAGING:** 100' exact length, coiled, polywrapped
- BRANDING:** Continuous spiral brand "Goodyear™ Purple Flexwing with Versigard 150 psi Max WP."
- COUPLINGS:** Use Goodyear's Insta-Lock Cam & Groove Fittings with this product. See page 221 for available Insta-Lock products.
- NON-STOCK/SIZES:** Refer to page 300 for special production run minimum requirements.
- ORDER CODES:** 546-805

ID		NOM. OD		MAX. WP		BEND RADIUS		VACUUM HG		WEIGHT	
in.	mm.	in.	mm.	psi	Mpa	in.	mm.	in.	mm.	lb./ft.	kg./m
1 1/2	38.1	2.02	51.3	150	1.03	4	102	29	737	0.95	1.41
2	50.8	2.53	64.3	150	1.03	5	127	29	737	1.16	1.73
3	76.2	3.58	90.9	150	1.03	7	178	29	737	2.00	2.98
4	101.6	4.69	119.1	150	1.03	10	254	29	737	3.03	4.51

Note: Refer to the Goodyear Chemical Resistance Chart on page 240 for Specific Chemical and Temperature Compatibility.



See Page 2 for complete product warranty and terms of sale information. In V-Cat, please reference the Conditions of Sale page in the General Information section. Information in this catalog supersedes all previously printed material. Information valid as of the day published. Due to continual product improvements, Goodyear reserves the right to alter specs without prior notice. For the most current product information, visit us online at [www.goodyear-hose.com](http://www.goodyear-hose.com).

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