

# Newflex®

Spiral Reinforced PVC Suction Hose



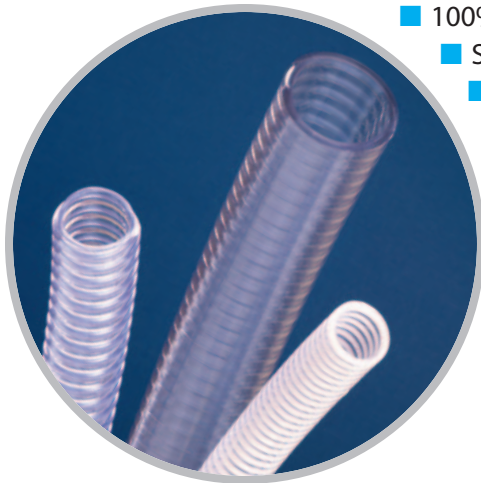
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**NEWAGE  
INDUSTRIES**

Fluid Transfer Specialists®

## Spiral Reinforced PVC Suction Hose

- 100% PVC construction
- Spiral reinforcement made from rigid PVC to resist impact, crushing, and kinking
- Lighter than ply-wrapped rubber and other similar hoses
- Available in Food or Industrial Grades
- Food Grade made from non-toxic ingredients conforming to FDA and 3A standards
- Smooth interior produces low friction loss permitting maximum flow



## Notes

NEWFLEX reinforced suction hose is widely used throughout industry for both positive and negative pressure applications. Its advanced design allows the use of light-weight, corrosion-resistant PVC to replace bulkier and heavier ply-wrapped rubber hose.

NEWFLEX series 'FH' and 'FHS' are clear, allowing the user to have full visual contact with the flow of material inside. The Food Grade lines are made from FDA-approved ingredients suitable for food and beverage handling. The smooth interior is easily sterilized and cleaned. Both types have a vacuum rating of 28 in./Hg.

NEWFLEX series 'VFH' is produced from a clear FDA core with an industrial grade white helix, which is not exposed to the hose I.D. It can handle light-duty pressure discharge, gravity feed, and moderate vacuum applications.

## Physical Properties\*\*

	SERIES FH & FHS	SERIES VFH
Hardness, Shore A $\pm 5$	65	70
Tensile Strength, psi	1900	2000
Elongation at Break, %	440	420
Brittle Temperature, °F	-45	-42
Max. Operating Temperature, °F	150	140

\*\*Values listed are typical for the material used in manufacture, except where noted, and are meant only as a guide to aid in design. Field testing should be performed to find the actual values for your application.

## Recommended Fittings &amp; Clamps

- Cam operated couplings
- Thermobarb® barbed fittings
- Oetiker® ear type clamps
- Kwik Clamp™ nylon double bond hose clamps
- Worm gear clamps

## NEWFLEX FH – Standard Duty – Clear, Convuluted O.D.

PART NO. FOOD GRADE	ID (IN.)	OD (IN.)	WORKING PSI AT 70°F	VAC. RATE (IN./Hg.)	BEND RADIUS (IN.)	LBS. PER 100 FT.
120 0101	1	1-1/4	60	28	2	19
120 0178	1-1/4	1-5/8	50	28	3	29
120 0255*	1-1/2	1-13/16	50	28	3	34
120 0332*	1-3/4	2-3/32	45	28	4	40
120 0409	2	2-3/8	45	28	4	50
120 0486*	2-1/4	2-5/8	40	28	5	55
120 0563*	2-1/2	2-15/16	40	28	6	77
120 0640*	3	3-7/16	35	28	8	102
120 0717*	4	4-9/16	35	28	10	164

Standard coil length is 100 ft. Add length suffix to part number when ordering. Example: 100 ft. of 1-1/4" I.D. x 1-5/8" O.D. hose is part number 120 0178-100. Working pressures are calculated from burst testing using a 3:1 safety factor. Application testing is recommended.

**BOLD** indicates the critical dimension for fittings application.

\*Limited stock item; lead times and minimums may apply — call for details.

## NEWFLEX FHS – Heavy Duty – Clear or Clear with White Helix†, Smooth O.D.

PART NO. FOOD GRADE	PART NO. INDUSTRIAL GRADE	ID (IN.)	OD (IN.)	WORK. PSI AT 70°F	VAC. RATE (IN./Hg.)	BEND RADIUS (IN.)	LBS. PER 100 FT.
121 0181	123 0180	3/4	15/16	105	28	3	20
121 0258*	123 0257	1	1-1/4	100	28	3	27
121 0335	123 0334	1-1/4	1-1/2	95	28	3	30
121 0412	123 0411*	1-1/2	1-13/16	85	28	4	40
121 0489	123 0488*	2	2-3/8	80	28	5	60
121 0566*	123 0565*	2-1/2	2-7/8	75	28	7	85
121 0643*	123 0642*	3	3-7/16	65	28	8	115
121 0797*	123 0796*	4	4-1/2	50	28	10	175

†Food Grade is all Clear; Industrial Grade has a White Helix.

Standard coil length is 100 ft. Add length suffix to part number when ordering. Example: 100 ft. of 3/4" I.D. x 15/16" O.D. Food Grade hose is part number 121 0181-100. Working pressures are calculated from burst testing using a 3:1 safety factor. Application testing is recommended.

**BOLD** indicates the critical dimension for fittings application.

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## NEWFLEX VFH – Light Duty – Clear with White Helix, Convuluted O.D.

PART NO.	ID (IN.)	OD (IN.)	VAC. RATE (IN./Hg.)	BEND RADIUS (IN.)	LBS. PER 100 FT.
124 0176	3/8	.570	24	1/2	5
124 0253	1/2	.700	24	1/2	6
124 0330	5/8	.830	24	5/8	8
124 0407	3/4	.965	24	3/4	10
124 0484*	1	1-1/4	24	1	14
124 0561	1-1/4	1-1/2	22	1	15
124 0638*	1-1/2	1-13/16	20	2	20
124 0715*	2	2-3/8	18	2	34

This series has no positive pressure ratings. Increasing pressure will cause the hose to elongate and expand. If pressure is a concern, in-plant testing is advised. Standard coil length is 100 ft. Add length suffix to part number when ordering. Example: 100 ft. of 3/8" I.D. x .570" O.D. hose is part number 124 0176-100.

**BOLD** indicates the critical dimension for fittings application.

\*Limited stock item; lead times and minimums may apply — call for details.

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## DISTRIBUTOR PARTNER



145 James Way  
Southampton, PA 18966  
www.newageindustries.com

800-50-NEWAGE  
(800-506-3924)  
215-526-2300

Fax: 800-837-1856  
215-526-2190

info@newageindustries.com