

# RF-PVC

## Spiral Reinforced PVC Suction Hose

### RF-SD – Standard Duty – Clear, Convoluted O.D.

ID (IN.)	OD (IN.)	WORKING PSI AT 70°F	BURST PSI AT 70°F	VAC. RATE IN/Hg	BEND RADIUS (IN.)	LBS. PER 100 FT.	PART NO. FOOD GRADE
1	1-1/4	60	180	28	2	19.0	RF310101
1-1/4	1-5/8	50	150	28	3	29.0	RF310178
1-1/2	1-13/16	50	150	28	3	34.0	RF310255
1-3/4	2-3/32	45	135	28	4	40.0	RF310332
2	2-3/8	45	135	28	4	50.0	RF310409
2-1/4	2-5/8	40	120	28	5	55.0	RF310486
2-1/2	2-15/16	40	120	28	6	77.0	RF310563
3	3-7/16	35	105	28	8	102.0	RF310640
4	4-9/16	35	105	28	10	164.0	RF310717

Standard coil length is 100 ft.

### RF-HD – Heavy Duty – Clear†, Smooth O.D.

ID (IN.)	OD (IN.)	WORK. PSI AT 70°F	BURST PSI AT 70°F	VAC. RATE IN/Hg	BEND RADIUS (IN.)	LBS. PER 100 FT.	PART NO. INDUSTRIAL GRADE	PART NO. FOOD GRADE
3/4	15/16	105	315	28	3	20.0	RF320180	RF320181
1	1-1/4	100	300	28	3	27.0	RF320257	RF320258
1-1/4	1-1/2	95	285	28	3	30.0	RF320334	RF320335
1-1/2	1-13/16	85	255	28	4	40.0	RF320411	RF320412
2	2-3/8	80	240	28	5	60.0	RF320488	RF320489
2-1/2	2-7/8	75	225	28	7	85.0	RF320565	RF320566
3	3-7/16	65	195	28	8	115.0	RF320642	RF320643
3-1/2	3-15/16	60	180	28	9	135.0	RF320719	RF320720
4	4-1/2	50	150	28	10	175.0	RF320796	RF320797

Standard coil length is 100 ft.

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

### RF-LD - Light Duty - Clear with White Helix, Convoluted O.D.

ID (IN.)	OD (IN.)	VAC. RATE IN/Hg	BEND RADIUS (IN.)	LBS. PER 100 FT.	PART NO.
3/8	.570	24	1/2	5.0	RF330176
1/2	.700	24	1/2	6.0	RF330253
5/8	.830	24	5/8	8.0	RF330330
3/4	.965	24	3/4	10.0	RF330407
1	1-1/4	24	1	14.0	RF330484
1-1/4	1-1/2	22	1	15.0	RF330561
1-1/2	1-13/16	20	2	20.0	RF330638
2	2-3/8	18	2	34.0	RF330715

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. Cut coils are available; charges apply — call for details.

### Physical Properties\*

	RF-SD	RF-LD
Hardness, Shore A ±5	65	70
Tensile Strength, psi	1900	2000
Elongation at Break, %	440	420
Brittle Temperature, °F	-45	-42
Max. Operating Temp., °F	150	140

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

- **100% PVC construction**
- Spiral reinforcement made from rigid PVC to **resist impact, crushing, and kinking**
- **Lighter than ply-wrapped rubber** and similar hoses
- **Available in Food and Industrial Grades**
- Food Grade made from non-toxic ingredients, **meeting FDA, 3A, and USDA standards**
- **Low friction loss and maximum flow** via smooth interior

This family of PVC products includes one of the widest ranges of applications serviced by any one type of plastic material. **Various construction options (wire or braid reinforcement, rigid pipe, unreinforced) and the different formulations available (Industrial, 3A, USDA, FDA, NSF) make PVC attractive for many applications.**

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

**RF-SD, RF-HD and RF-LD are clear, allowing 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 cleaned and sterilized.** Both types have a vacuum rating of 28 in./Hg. RF-LD is produced from a clear FDA core with and 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.

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