

FGR Series Hose Specifications

Nitrile-PVC/EPDM Rubber Hose



Food Grade Rubber Sanitary Transfer Hose

Features

- Grey EPDM outer cover with red spiral stripe
- Multi-plys of high-temperature rated rubber with fabric reinforcements
- White Nitrile-PVC blend inner tube
- Inner stainless steel helix wire for flexibility
- Full Vacuum rating
- Sizes from 1/2 in. to 4 in. I.D.
- Available in bulk or fabricated assemblies
- Maximum production length 100 ft

Temperature Rating

-40°F (40°C) to +250°F (121°C)

Construction

FGR hose contains multiple-fabric reinforcements for pressure capability along with a single-helix, stainless steel wire that enables the hose to flex easily, withstanding vacuum and facilitate static grounding. Cover and reinforcements are designed to withstand rough handling, high temperature and a variety of application requirements.

Approvals

- FDA
- USDA
- 3A

Fittings

Over 36 styles of stocked crimp style, radially crimped fitting design.

Typical Applications

- Ultra-pure water transfer
- Pump vibration damping
- Load cell connections
- Washdown stations
- Hot CIP transfers
- Specially designed to handle oil-based materials

FGR Hose Specifications

Part Number	Hose Size ID (IN)	Hose Size ID (MM)	Hose Size OD (IN)	Hose Size OD (MM)	Max Working ¹ Pressure (PSI)	Vacuum Rating	Min Burst ¹ Pressure (PSI)	Minimum Bend Radius ² (IN)	Approx. Weight Per Ft. (LB)
HOSFGR-08	0.5	12.7	0.972	24.7	400	29.9	1650	1.5	0.4
HOSFGR-12	0.75	19.1	1.268	32.2	375	29.9	1500	2	0.5
HOSFGR-16	1	25.4	1.518	38.6	350	29.9	1450	3	0.6
HOSFGR-24	1.5	38.1	2.02	51.3	300	29.9	1200	4	0.9
HOSFGR-32	2	50.8	2.52	64	250	29.9	1050	4.5	1.3
HOSFGR-40	2.5	63.5	3.138	79.7	150	29.9	700	6	1.9
HOSFGR-48	3	76.2	3.65	92.7	150	29.9	600	7	2.3
HOSFGR-64	4	101.6	4.67	118.6	150	29.9	600	10	3.1

¹ Based on ambient condition on exterior of hose. Elevated temperatures and characteristics of medium being transferred can effect working pressure and burst pressures.

² Measured to the inner surface of the curved portion. Data is based on static applications. For dynamic or cyclic applications, consult Sani-Tech West.

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