

Rubber Covered FEP Hose • Jack-Chem

Our rubber covered hose has been custom engineered for lasting service in critical transfer applications. We can produce assemblies to your specific length and diameter needs to connect to your system. If you do not find the exact hose and fitting combination required for your service please contact our Customer Service. You can be assured our Engineering experts will be easy to talk to and focused on solving your problem.



- Applications:** Chemical, Pharmaceutical and Food Processing
- Innecore:** Starts with a chemically inert smooth FEP liner that is FDA compliant. The FEP liner is made to last with a heavy wall construction that provides more hoop strength and resistance to kinking during flexing.
- Reinforcement:** Multiple plies of synthetic EPDM rubber are reinforced with a horizontal fabric braid, the inner layer of synthetic rubber is permanently bonded to the exterior of the FEP innercore. A wire helix is included to support the shape in full vacuum service and to further prevent kinking.
- Temperature Range:** -65°F (-54°C) to +300°F (148°C) For temperatures over +300°F (148°C) contact the factory.
- Chemical Resistance:** Refer to page 30.
- Fittings:** Complete range stainless steel couplings in type 316SS also PFA encapsulated fittings for extreme corrosion resistance throughout entire wetted flow path.

IMPERIAL											
Dash Size	Inch Reference #	Actual ID (in)	Tol (+/-) ID (in)	Actual OD (in)	Tol (+/-) OD (in)	Innecore Wall Thickness (in)	Max Working Pressure PSI	Min Burst Pressure PSI	Vacuum Rating*	Min Bend Radius (in)	Weight (lb/ft)
-8	RRI0.5N	0.500	0.005	0.870	0.010	0.030	500	2000	Full	3.0	0.33
-12	RRI0.7N	0.750	0.008	1.250	0.012	0.035	500	2000	Full	4.0	0.60
-16	RRI1N	1.000	0.010	1.500	0.013	0.035	450	1800	Full	7.0	0.73
-24	RRI1.5N	1.500	0.005	2.000	0.010	0.040	350	1400	Full	10.0	1.20
-32	RRI2N	2.000	0.008	2.500	0.012	0.045	300	1200	Full	14.0	1.45
-48	RRI3N	3.000	0.010	3.500	0.013	0.050	200	800	Full	30.0	2.40

METRIC										
Metric Reference #	Actual ID (mm)	Tol (+/-) ID (mm)	Actual OD (mm)	Tol (+/-) OD (mm)	Innecore Wall Thickness (mm)	Max Working Pressure Bar	Min Burst Pressure Bar	Vacuum Rating*	Min Bend Radius (mm)	Weight (kg/m)
RRM12.N	12.7	0.13	22.0	0.25	0.760	35	140	Full	76	0.49
RRM19N	19.1	0.19	31.8	0.29	0.900	35	140	Full	102	0.89
RRM25.N	25.4	0.25	38.1	0.32	0.900	31	124	Full	178	1.08
RRM38.N	38.1	0.13	50.8	0.25	1.000	24	96	Full	254	1.78
RRM50.N	50.8	0.19	63.5	0.29	1.140	20	80	Full	355	2.15
RRM76N	76.2	0.25	89.0	0.32	1.270	14	56	Full	762	3.56

All pressure and vacuum ranges are calculated at 70°F (21°C).