

Oval Hose



Rivulis Oval Hose – The ideal submain solution

- Manufactured from virgin LLDPE
- Oval shape for economical freight and storage
- From flat to 98% round when pressurized
- Quality tested for peace of mind

Rivulis Oval Hose

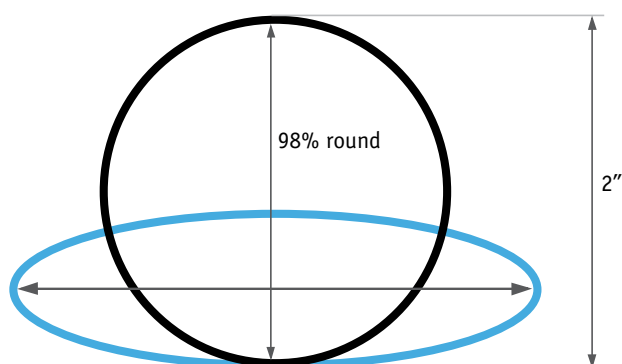


A high quality, inexpensive alternative to PVC mains and submains.

Rivulis Oval Hose is manufactured from virgin LLDPE and the industry's highest quality standards to provide longevity and prevent environmental degradation. Once pressurized, Rivulis Oval Hose becomes 98% round, while allowing freight and space savings during storage and transportation.

Product Features

- Manufactured from virgin LLDPE using advanced extrusion technology
- Once pressurized it becomes 98% round
- Suitable for surface as well as, subsurface installation
- UV stabilized- no environmental effects
- Oval shape reduces freight and storage cost
- Tested as per ASAE standard
- Most sizes are available in both 42 and 21 psi rating
- Each batch passes through following stringent quality tests to ensure efficient and trouble free performance:
 - Dimensional tolerances
 - Short term & long term hydraulic pressure
 - Heat reversion
 - Carbon black content
 - Environmental stress crack resistance (ESCR)
 - Tensile Strength and Elongation
 - 98% round

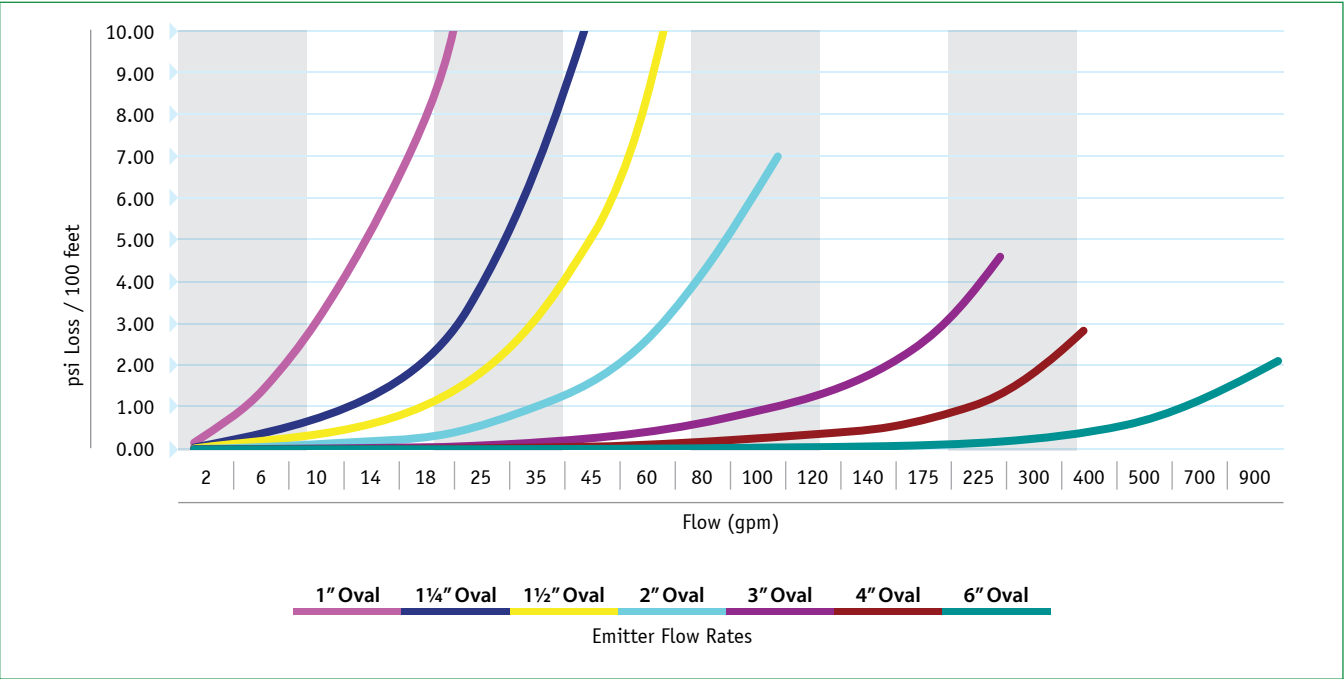


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Rivulis Oval Hose Specifications

Rivulis Product Number	Old Model Number	Product Name	Max Pressure Rating (psi)	Length (ft)	Nominal Diameter		Inside Diameter		Min. Wall Thickness		Std. Coil Length		Weight per Coil	
					mm	in	mm	in	mm	in	m	ft	g/m	lbs/100ft
42 psi Pressure														
Consult	JOH013027	1/2" OVAL HOSE 3000FT	42	3000	20	0.75	20.57	0.81	1.092	0.043	914	3000	69	4.62
Consult	JOH016034	1/2" OVAL HOSE 1640FT	42	1640	20	0.75	20.57	0.81	1.092	0.043	366	1200	69	4.62
Consult	JOH020043	3/4" OVAL HOSE 1200FT	42	1200	20	0.75	20.57	0.81	1.092	0.043	366	1200	69	4.62
Consult	JOH026054	1" OVAL HOSE 660FT	42	660	25	1	26.42	1.04	1.372	0.054	201	660	112	7.5
Consult	JOH035070	1 1/4" OVAL HOSE 400FT	42	400	32	1.25	34.54	1.36	1.778	0.07	122	400	189	12.73
Consult	JOH040084	1 1/2" OVAL HOSE 350FT	42	350	40	1.5	40.39	1.59	2.134	0.084	107	350	265	17.82
101079215	11220120	2" OVAL HOSE 250FT	42	259	50	2	51.82	2.04	2.743	0.108	76	250	440	29.55
21 psi Pressure														
Consult	JOH026026	1" OVAL HOSE" 1660FT	21	1660	25	1	26.42	1.04	0.660	0.026	506	1660	52	3.48
Consult	JOH035034	1 1/4" OVAL HOSE 800FT	21	800	32	1.25	34.80	1.37	0.864	0.034	244	800	90	6.03
101079206	11220086	1 1/2 OVAL HOSE 600FT	21	600	40	1.5	40.64	1.6	1.016	0.04	183	600	123	8.24
101079202	11220081	2" OVAL HOSE 450FT	21	450	50	2	52.07	2.05	1.295	0.051	137	450	202	13.6
101079203	11220082	3" OVAL HOSE 200FT	21	200	75	3	76.96	3.03	1.905	0.075	61	200	447	30.01
101079204	11220083	4" OVAL HOSE 130FT	21	130	100	4	101.35	3.99	2.540	0.1	40	131	773	51.92
16 psi Pressure														
101079205	11220084	6" OVAL HOSE 100FT	16	100	150	6	151.13	5.95	2.743	0.108	30	100	1246	83.75

Flow vs. Pressure



Rivulis Oval Hose Friction Loss and Velocity

Size	1" Oval		1-1/4" Oval		1-1/2" Oval		2" Oval		3" Oval		4" Oval		6" Oval	
ID	1.04		1.37		1.6		2.05		3.03		3.99		5.95	
	Friction Loss	Velocity	Friction Loss	Velocity	Friction Loss	Velocity	Friction Loss	Velocity	Friction Loss	Velocity	Friction Loss	Velocity	Friction Loss	Velocity
gpm	psi/100	fps	psi/100	fps	psi/100	fps	psi/100	fps	psi/100	fps	psi/100	fps	psi/100	fps
2	0.16	0.75	0.04	0.43	0.02	0.32	0.01	0.19	0.00	0.09	0.00	0.05	0.00	0.02
4	0.53	1.51	0.14	0.87	0.07	0.64	0.02	0.39	0.00	0.18	0.00	0.10	0.00	0.05
6	1.08	2.26	0.29	1.30	0.14	0.96	0.04	0.58	0.01	0.27	0.00	0.15	0.00	0.07
8	1.78	3.02	0.48	1.74	0.23	1.28	0.07	0.78	0.01	0.36	0.00	0.21	0.00	0.09
10	2.64	3.77	0.71	2.17	0.34	1.59	0.11	0.97	0.02	0.44	0.00	0.26	0.00	0.12
12	3.63	4.53	0.98	2.61	0.47	1.91	0.14	1.17	0.02	0.53	0.01	0.31	0.00	0.14
14	4.75	5.28	1.28	3.04	0.61	2.23	0.19	1.36	0.03	0.62	0.01	0.36	0.00	0.16
16	6.00	6.04	1.62	3.48	0.78	2.55	0.24	1.55	0.04	0.71	0.01	0.41	0.00	0.18
18	7.38	6.79	1.99	3.91	0.95	2.87	0.29	1.75	0.05	0.80	0.01	0.46	0.00	0.21
20	8.87	7.54	2.40	4.35	1.15	3.19	0.35	1.94	0.06	0.89	0.01	0.51	0.00	0.23
25	13.11	9.43	3.54	5.43	1.69	3.98	0.52	2.43	0.08	1.11	0.02	0.64	0.00	0.29
30	18.04	11.32	4.87	6.52	2.33	4.78	0.72	2.91	0.11	1.33	0.03	0.77	0.00	0.35
35			6.38	7.61	3.05	5.58	0.94	3.40	0.15	1.56	0.04	0.90	0.01	0.40
40			8.06	8.70	3.86	6.38	1.19	3.88	0.19	1.78	0.05	1.03	0.01	0.46
45			9.90	9.78	4.74	7.17	1.46	4.37	0.23	2.00	0.06	1.15	0.01	0.52
50			11.91	10.87	5.70	7.97	1.76	4.85	0.27	2.22	0.07	1.28	0.01	0.58
60					7.84	9.56	2.42	5.83	0.38	2.67	0.10	1.54	0.02	0.69
70					10.27	11.16	3.16	6.80	0.49	3.11	0.13	1.79	0.02	0.81
80							4.00	7.77	0.62	3.56	0.17	2.05	0.03	0.92
90							4.91	8.74	0.77	4.00	0.21	2.31	0.03	1.04
100							5.91	9.71	0.92	4.44	0.25	2.56	0.04	1.15
110							6.98	10.68	1.09	4.89	0.30	2.82	0.04	1.27
120									1.27	5.33	0.34	3.08	0.05	1.38
130									1.46	5.78	0.40	3.33	0.06	1.50
140									1.66	6.22	0.45	3.59	0.07	1.61
150									1.88	6.67	0.51	3.84	0.08	1.73
175									2.46	7.78	0.66	4.48	0.10	2.02
200									3.10	8.89	0.84	5.13	0.13	2.30
225									3.82	10.00	1.03	5.77	0.15	2.59
250									4.59	11.11	1.24	6.41	0.19	2.88
300											1.71	7.69	0.26	3.46
350											2.24	8.97	0.34	4.03
400											2.83	10.25	0.42	4.61
450													0.52	5.19
500													0.63	5.76
600													0.86	6.91
700													1.13	8.07
800													1.42	9.22
900													1.75	10.37
1000													2.10	11.52

Grey boxes: Velocity above 5 fps is not recommended.



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