

Vena® WYREM®

VENAIR



Limitations

Gas oil and oil drops do not damage Wyrem®, but the hose should not be used to transport fuel or oil, and should never be submerged in these liquids.

Always check the compatibility of the material to transport with the Chloroprene (Neoprene).

Applications

Vena® WYREM® flexible hoses are recommended for air fume and particle extraction and suction, dust and exhaust gases, and ventilation in general industries.

Properties

- Exceptionally robust and durable hose.
- Excellent flexibility.
- Highly resistant to ozone.
- Good vacuum resistance, due to its specially designed structure.
- Corrugated inner and outer appearance.
- Inner and outer black colour.
- Operational temperature range from -20 to +100°C (from -4 F to 212 F)
- Smooth cuffs are available on request
- The standard manufactured length is 6 metres (19.69 ft.)

Construction

This hose is manufactured with double reinforced layers of Chloroprene coated cotton and two spring steel helices. The inner helix is visible and the second one is trapped between the layers of cloth. Neoprene offers high resistance to chemical attack in both acidic and basic solutions. Cotton has better mechanical strength than glass fiber fabric.

Technical Specifications

- The Wyrem® hose is not pressure tight and should not be used in pressurised applications. In these cases the maximum accepted pressure is 0,35bar (5.08 Psi).
- Available diameters and typical specifications are indicated in the table below.

Inner Diameter		Wall thickness		Working Pressure ISO 1402/2009		Vacuum Pressure		Min. Bending Radius ISO 1746/2000		Weight
mm	inch	+0.1/-0.1 mm	±0.004 inch	Bar at 20°C	Psi at 68°F	Bar at 20°C	Psi at 68°F	mm	inch	g/m
25	0.98	1,20	0.05	0.35	5.08	0,45	6.53	60	2.36	420
32	1.26	1,20	0.05	0.35	5.08	0,40	5.80	63	2.48	500
38	1.5	1,20	0.05	0.35	5.08	0,40	5.80	65	2.56	570
45	1.77	1,20	0.05	0.35	5.08	0,35	5.08	68	2.68	650
51	2.01	1,20	0.05	0.35	5.08	0,35	5.08	71	2.8	720
60	2.36	1,20	0.05	0.35	5.08	0,35	5.08	75	2.95	750
63,5	2.5	1,20	0.05	0.35	5.08	0,30	4.35	77	3.03	770
76	2.99	1,20	0.05	0.35	5.08	0,30	4.35	84	3.31	850
80	3.15	1,20	0.05	0.35	5.08	0,25	3.63	87	3.43	880
82	3.23	1,20	0.05	0.35	5.08	0,25	3.63	88	3.46	900
90	3.54	1,20	0.05	0.35	5.08	0,25	3.63	93	3.66	970

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102	4.02	1,20	0.05	0.35	5.08	0,20	2.90	100	3.94	1100
110	4.33	1,20	0.05	0.35	5.08	0,20	2.90	106	4.17	1200
127	5	1,20	0.05	0.35	5.08	0,10	1.45	119	4.69	1460
152	5.98	1.20	0.05	0.35	5.08	0,10	1.45	139	5.47	1920
165	6.5	1.20	0.05	0.35	5.08	0,05	0.73	151	5.94	2220
180	7.09	1.20	0.05	0.35	5.08	0,05	0.73	166	6.54	2580
203	7.99	1.20	0.05	0.35	5.08	0,05	0.73	189	7.44	3230
254	10	1.20	0.05	0.35	5.08	0,05	0.73	250	9.84	4990
304	11.97	1.20	0.05	0.35	5.08	0,05	0.73	319	12.56	7180