



AEROPAL® and AEROPAL® LT
Aviation Fueling Hoses



AEROPAL® and AEROPAL® LT

The best aviation refueling hoses from ContiTech

With a take-off and landing happening every minute, air-traffic operations need to be tightly managed in a timely and secure manner. Ground support operations need a safe and reliable hose product for fuel handling.

AEROPAL® brand aviation fuel hoses meet all the leading industry and military standards. AEROPAL® hose is designed for long service life with an excellent outer cover offering good abrasion and environmental protection. The intermediate reinforcement layers offer good pressure and kink resistance and the smooth, non-porous inner liner is compatible with all known aviation fuel and gasoline grades (AEROPAL® LT for jet fuel only). AEROPAL® fueling and jac-riser hoses are optimized for conditions with operating temperature range of -22°F to +158°F (-30°C to +70°C). AEROPAL® LT fueling and jac-riser hoses are specially designed for ultra low temperature applications. They offer unmatched low temperature flexibility and an operating temperature range of -67°F to +158°F (-55°C to +70°C).

Properties:

- Inner liner: NBR
- Reinforcement: synthetic fibres
- Outer cover: CR
- Electrical Conductivity:
Type C: 10^3 to $10^6 \Omega/m$
Type E: $< 10^2 \Omega/m$
- Operating temperature:
Aeropal® -22°F to +158°F (-30°C to +70°C)
Aeropal® LT: -67°F to +158°F (-55°C to +70°C)
- Standards: EI 1529/2005 (API 1529/2005), MIL-DTL-6615G, NFPA 407:2007, ISO 1825 (EN 1361)
- Type B (with copper braid) and Type F (non-metallic helix) available on request



Technical data

Regular & Low Temperature Refueling Hose - without steel wire helix - Type C

ID		OD		Working pressure		Test pressure		Recommended max. vacuum		Drum/Reel OD		Weight (approximate)	
inch	mm	inch	mm	psi	bar	psi	bar	psi	bar	inch	mm	lb / ft	kg / m
1	25	1 4/9	37	300	20	600	40	7,25	0,50	10	250	0,54	0,8
1 1/4	32	1 3/4	44	300	20	600	40	5,80	0,40	13	325	0,67	1
1 1/2	38	2	51	300	20	600	40	4,35	0,30	15	375	0,81	1,2
2	50	2 3/5	66	300	20	600	40	2,90	0,20	20	500	1,28	1,9
2 1/2	63	3 1/9	79	300	20	600	40	2,18	0,15	25	625	1,61	2,4
3	75	3 4/7	91	300	20	600	40	-	-	30	750	1,88	2,8
4	100	4 4/7	116	300	20	600	40	-	-	40	1.000	2,49	3,7

Technical data

Defueling and Jac Riser Hose - with steel wire helix - Type E

ID		OD		Working pressure		Test pressure		Recommended max. vacuum		Drum/Reel OD		Weight (approximate)	
inch	mm	inch	mm	psi	bar	psi	bar	psi	bar	inch	mm	lb / ft	kg / m
1 1/2	38	2	51	300	20	600	40	11,60	0,80	16	400	0,94	1,4
2	50	2 3/5	66	300	20	600	40	11,60	0,80	20	500	1,41	2,1
2 1/2	63	3 1/9	79	300	20	600	40	11,60	0,80	22	550	1,88	2,8
3	75	3 4/7	91	300	20	600	40	11,60	0,80	24	600	2,22	3,3
4	100	4 4/7	116	300	20	600	40	11,60	0,80	36	900	3,16	4,7
5*	125*	5 5/7*	145*	230*	16*	460*	32*	11,60*	0,80*	45*	1.150*	4,57*	6,8*
6*	150*	6 7/9*	172	230*	16*	460*	32*	11,60*	0,80*	55*	1.400*	6,11*	9,1*

* in line with materials and construction of EI 1529/2005 (API 1529/2005), MIL-DTL-6615G, NFPA 407:2007, ISO1825 (EN 1361)

ContiTech

Fluid Technology

Market segment
Industrial Hoses

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ContiTech Fluid Technology is a development partner and original equipment manufacturer with hoses and hose lines for the automobile industry and industrial applications. Our expertise in design and material engineering as well as our manufacturing process are the basis for the safe and smooth transportation of all media. Our high-quality hoses for industrial and commercial applications can be used in many ways. For decades, they have proven themselves in continuous use under the most grueling conditions. They are characterized by their reliability, safety, long service life, and easy, troublefree handling. We have the ideal hose for each medium – and for each hose the right fitting.

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ContiTech industrial hose program



Drinking water hoses



Chemical hoses in highest quality



Hoses for optimal welding and cutting



Industrial steam and hot water hoses

**Together with the technical trade,
we are developing further hose solutions for your specific application.**