CALORFLEX SD /5 DCH

DATA CENTER COOLING SUCTION AND DELIVERY HOSE - HELIX GROOVED



APPLICATION
Suction and delivery hose for the transfer of next-generation coolant fluids, including OAT (Organic Acid Technology) coolants, in data center cooling systems. The corrugated cover profile provides excellent flexibility, making the hose particularly suitable for challenging installations and routing in confined spaces

TUBE
Black, smooth **EPM** rubber (peroxide-cured) calcium and zinc free

REINFORCEMENT
High-tenacity synthetic fabrics with integrated metal spirals

COVER
Red, square corrugated, made of **EPDM**/CPE rubber, with fabric impression finish, resistant to abrasion, ozone, and flame according to the UL94 V0 standard

WORKING TEMPERATURE
-40°F +248°F
-40°C +120°C

ID		WEIGHT	WP		BP		BENDING RADIUS	VACUUM	COIL LENGTH
mm	inch	kg/m	bar	psi	bar	psi	mm	bar	m
13	1/2	0.4	5	75	15	225	50	0.8	40
16	5/8	0.45	5	75	15	225	60	0.8	40
19	3/4	0.5	5	75	15	225	70	0.8	40
25	1	0.58	5	75	15	225	85	0.8	40
32	1 1/4	0.73	5	75	15	225	105	0.8	40
38	1 1/2	0.93	5	75	15	225	130	0.8	40
51	2	1.31	5	75	15	225	165	0.8	40
63.5	2 1/2	1.74	5	75	15	225	210	0.8	40
76	3	2.17	5	75	15	225	250	0.8	40
90	3 35/64	2.57	5	75	15	225	300	0.8	40
102	4	3.17	5	75	15	225	340	0.8	40

Other diameters, pressure ratings are available on request. Technical data, structures and polymers are subject to change without notice.

BRANDING



Tubi Gomma Torino S.p.a. 15040 Mirabello Monferrato (AL) - ITALY - Strada Statale 31 - km 39,4 Nr. 42
Ph: +39 0142.641300 Fax: +39 0142.641350 e-mail: com@tubigommatorino.it

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IMPORTANT INFORMATION

SAFETY INFORMATION AND USER RESPONSIBILITY

Rubber hoses have a lifespan that varies depending on the use they are intended for.
The equipment and systems in which the hose will be installed must be designed in a compliant and safe manner.
Due to the variety of uses and applications for which the hose can be intended, Tubi Gomma Torino S.p.A. does not guarantee the correct functioning of the product for all possible situations. This is because the analysis of technical aspects related to very specific applications, as well as the analysis of the suitability and appropriateness of the hose for the intended use, is and remains the responsibility of the user when choosing the product most suitable for their needs.
Therefore, due to the variety of operational conditions, as well as the multiple applications and uses for which Tubi Gomma Torino S.p.A. products can be purchased, the user/end user is solely responsible for the final choice of the most appropriate product for the type of use and/or application they intend to make of it, so that the chosen product can guarantee the performance and safety requirements demanded by the specific use.

All the information and technical data contained in the product sheets available and downloadable from the website **www.tubigommatorino.com** must be analysed and examined by users with the appropriate technical expertise.

Tubi Gomma Torino S.p.A. is not and will not be responsible for any direct and/or indirect consequences arising from the use of the product by the end user in a manner other than that indicated in its catalogs, product sheets, offers, order confirmations, and any attached recommendations.

An inappropriate and/or inadequate selection of the product or failure to follow the correct procedures for installation, use, maintenance, and storage of the hoses may lead to hose rupture and cause damage to property and/or serious injury to individuals.

For the correct selection and use of Tubi Gomma S.p.A. products, it is necessary to also consider the document entitled «Recommendations for the selection, storage, use, and maintenance of rubber flexible hoses» provided by Assogomma (Federation of Rubber and Plastics) and available for download on the website **www.tubigommatorino.com**.
These recommendations, which are encouraged and advised to follow, comply with the international standard ISO 8331, «Rubber and Plastics Hoses and Hose Assemblies – Guidelines for the Selection, Storage, Use, and Maintenance.»

For safety reasons, the working pressure indicated in the product technical data sheet must never be exceeded.

For specific and/or special applications of rubber hoses, reference should be made to legal requirements and the specific regulations in force, as well as to safety standards.
In addition to the above information, users are advised that further recommendations are available for particularly critical applications.

For further information, please contact the Sales Service via email (**com@tubigommatorino.it**) or by phone (+39 0142 641300).

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