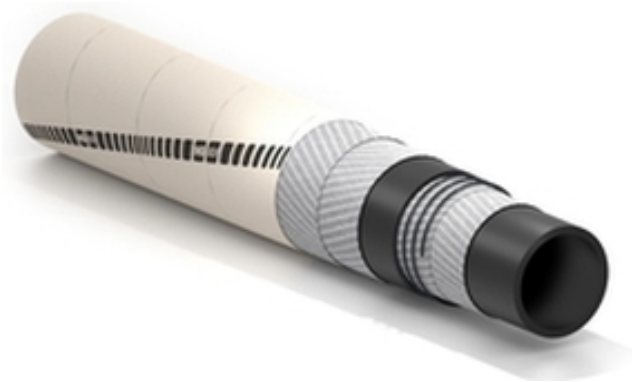


Essen LL

Cooling water suction and discharge hose with fibre glass cover



Application:

hardwall hose for suction and discharge of cooling water in steel mills, foundries, glassworks, and in all cases where a rubber hose is working close to sources of heat. Resistant to hot metal splashes.

It resists radiant heat up to +530°C
Length up to 120 m
Perfect vulcanization

Tube:

black, smooth, synthetic rubber.

Reinforcement:

high strength synthetic cord and helix wire.

Cover:

covered with fibre glass, vulcanized, heat resistant. The fibre glass cover resists radiant heat up to +530°C (+986°F).

Temperature:

from -40°C (-40°F) to +70°C (+158°F).



Essen LL



| Code | Inside diameter | | Outside diameter | | Working pressure | | Burst pressure | | Weight nominal | | Bending radius | | Vacuum | Length max | |
|---------|-----------------|-------|------------------|------|------------------|-----|----------------|-----|----------------|--------|----------------|------|--------|------------|-----|
| | mm | inch | mm | inch | bar | psi | bar | psi | kg/m | lbs/ft | mm | inch | | bar | m |
| 1352440 | 12 | 15/32 | 22,5 | 0,89 | 10 | 150 | 30 | 450 | 0,45 | 0,30 | 85 | 3,3 | 0,9 | 120 | 400 |
| 1306510 | 19 | 3/4 | 30,5 | 1,20 | 10 | 150 | 30 | 450 | 0,73 | 0,49 | 95 | 3,7 | 0,9 | 120 | 400 |
| 1284363 | 25 | 1 | 36,5 | 1,44 | 10 | 150 | 30 | 450 | 0,89 | 0,60 | 115 | 4,5 | 0,9 | 120 | 400 |
| 1343637 | 32 | 1-1/4 | 43 | 1,69 | 10 | 150 | 30 | 450 | 1,05 | 0,71 | 150 | 5,9 | 0,9 | 120 | 400 |
| 1343432 | 38 | 1-1/2 | 50,5 | 1,99 | 10 | 150 | 30 | 450 | 1,45 | 0,97 | 180 | 7,1 | 0,9 | 120 | 400 |
| 1320238 | 51 | 2 | 63,5 | 2,50 | 10 | 150 | 30 | 450 | 1,91 | 1,29 | 245 | 9,7 | 0,9 | 120 | 400 |
| 1319876 | 65 | 2-7/8 | 78,5 | 3,09 | 10 | 150 | 30 | 450 | 2,7 | 1,81 | 315 | 12,4 | 0,9 | 120 | 400 |
| 1308629 | 76 | 3 | 91,5 | 3,61 | 10 | 150 | 30 | 450 | 3,51 | 2,36 | 375 | 14,8 | 0,9 | 120 | 400 |
| 1294504 | 102 | 4 | 119,5 | 4,71 | 10 | 150 | 30 | 450 | 5,27 | 3,55 | 530 | 20,9 | 0,9 | 120 | 400 |

Variants available on request:

1. Different diameters.
2. Different working pressures.
3. Essen LL/insulating, with isolating tube compound electrical resistance $\geq 1 \times 10^8 \Omega/m$.
4. Essen LL/insulating/CR electrically isolating, with further CR rubber cover with fire resistant characteristics according to ASTM C 542.

SPECIAL DETAILS

SAFETY INFORMATION – USER RESPONSIBILITIES

The service life of rubber hoses mainly depends on the dedicated use. Equipment and systems where the hose is installed must be designed safely. Since our hose can be designed for different applications, **IVG Colbachini** cannot guarantee the proper functioning of the product for all situations.

The analysis of the technical aspects related to specific uses must be performed by the users when choosing the product that meets their requirements. So, in relation to the variety of operating conditions and applications of the IVG hose, the user is solely responsible for the final choice of the product deemed suitable to satisfy the performance and safety requirements called for the application.

The information and technical data shown in the product data sheets must be examined by users with appropriate technical skills. IVG Colbachini is not responsible for other uses, identified by the end user, that are different from the one shown in its catalogues, product sheets, offers, order confirmations and any recommendations attached.

An inappropriate choice of the product or a failure to follow the procedures of installation, use, maintenance and storage of the hoses may lead to a hose break and cause material damage and/or serious injury to people.

For the selection and proper use of the IVG products you can also refer to the document "Recommendations for selection, storage, use and maintenance of rubber hoses" provided by Assogomma and available on www.ivgspa.it. These recommendations are according to the international standard ISO 8331, "Plastic and rubber hoses and hose assemblies - Guidelines for selection, storage, use and maintenance."

For safety reasons, never exceed the working pressure indicated in the product data sheet.

For specific applications of rubber hoses, please refer to the legal requirements or specific standards; moreover, additional recommendations for particularly critical applications are available.

For further information, contact the Marketing department (marketing@ivgspa.it).