

FILMAX 9.0

Regenerating antifreeze



ETÀ IMPIANTI

- NUOVI
- DATATI NON COMPROMESSI
- VECCHI ED OBSOLETI

DESCRIPTION:

Corrosion inhibitor for heating and cooling circuits. It is a product to be used in the case in which the liquid circulating in the system does not exercise a sufficient passivation on the metal parts of which it is composed. For example, after overfishing circulating antifreeze, it is necessary an integration of the package of salts inhibitors.

INSTRUCTIONS FOR USE:

The corrosion inhibitor is added to the glycol or water in percentage from 3 to 5 % of the liquid circulating in the system and it is sufficient a slight agitation to homogenize the mixture.

APPLICATION NOTES:

From the table below it can be seen that 3 % of FILMAX 9.0 is sufficient to impart antifreeze excellent performance and high protection against damage of the pitting corrosion and cavitation.

However, if it is necessary to work with aqueous solutions of antifreeze particularly dilute (less than 30 %) or in total absence of it, or are desired alkalinity values higher, one can use the levels of FILMAX 9.0 equal to 4 or 5 %.

TECHNICAL DATA:

Composition

aqueous solution of a special package of inhibitors and perfectly balanced with special additives for the protection of aluminium, its alloys and of common metals which constitute the heating and refrigeration.

Appearance

light turbidity

Colour

straw

Odor

odorless

Relative density at 15 °C

1,350 ± 0,050 g/cm³

pH at 20 °C

11,0 ± 0,5

Vapour pressure at 20 °C

2700 Pa

Solubility in water

complete

Boiling point

100 °C

Flash point

not flammable

Crystallization point

-8 °C

Stability

12 months



ATIGEL **FEATURES** prepared with ethylene glycol and FILMAX 9.0 (typical values):

FILMAX 9.0 %	3	4	5	ASTM LIMITS D 3306
Appearance	Limpid	Limpid	Limpid	/
Apparent content of water	2,6	3,2	3,8	5 max
Alkalinity reserve	11,6	15,4	19,1	10 min
pH sol. 50 % in water	9,3	9,5	9,7	7,5 ÷ 11,0
Resistance to hard water	Limpid	Limpid	Limpid	/
Corrosion test	ASTM D 1384 (Weight loss mg/specimen)			
Copper	-0,9	-0,8	-0,8	10 max
Alloy welding	-3,4	-2,2	-1,6	30 max
Brass	-0,8	-0,8	-0,7	10 max
Steel	-0,2	-0,1	-0,1	10 max
Cast iron	-1,6	-0,2	-0,1	10 max
Aluminum	-1,1	-0,6	-0,4	30 max



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