Castel®
Italian technology

GO GREEN
R744 • NATURAL REFRIGERANT

VIBRATION ABSORBERS FOR CO_2



VIBRATION ABSORBERS FOR APPLICATION UP TO 140 BAR

High-performance reliability

WHY INSTALL A VIBRATION ABSORBER

In CO_2 (R744) systems, high operating pressures make it crucial to limit the transmission of vibrations generated by the compressor, thereby protecting the refrigeration circuit and improving its reliability.

HOW DOES IT WORK?

Thanks to the flexible metal bellows, the vibration absorber compensates for compressor movements and dampens the transmission of vibrations to the piping, helping to preserve the integrity of the connections and the longevity of the system.



VIBRATION ABSORBERS FOR CO2

- Stainless steel
- TIG welding
- Stainless steel ring
- Stainless steel wire braid
- Corrugated stainless steel flexible hose

APPLICATION

Operation

The corrugated bellows absorbs vibrations and minor movements generated by the compressor, reducing the transmission of mechanical stress to the piping and helping to increase the reliability of the refrigeration circuit.

Components

Made of a stainless steel bellows with welded stainless steel end fittings, the vibration absorber is designed to ensure high flexibility and mechanical strength.

Materials

Made entirely of stainless steel, it ensures corrosion resistance and is suitable for high-pressure CO_2 applications up to 140 bar.



VIBRATION ABSORBERS

Drawing	Part number	Connections		PS [bar]
		Ø [in.]	Ø [mm]	
	7698E/3	3/8"	-	140
	7698E/M10	-	10	
	7698E/M12	-	12	
	7698E/4	1/2"	-	
	7698E/5	5/8"	16	
	7698E/M18	-	18	
	7698E/6	3/4"	-	
	7698E/7	7/8"	22	
	7698E/M28	-	28	
	7698E/9	1.1/8"	-	

GO GREEN

R744 • NATURAL REFRIGERANT

ISO 14001

Castel has always been aware of environmental sustainability issues and gives its contribution to a cleaner environment, supplying the refrigeration and air conditioning industry with state-of-the-art and environment-friendly technology. With its commitment and steady research in its laboratories, Castel has developed a whole range of products using natural refrigerants, which reduce emissions to the minimum. The large range of products belonging to the Castel "GoGreen" line has been developed to be used in CO_2 (R744) filled systems.

Castel can accept no responsibility for any errors or changes in the catalogues, handbooks, brochures and other printed material. Castel reserves the right to make changes and improvements to its products without notice. All trademarks mentioned are the property of their respective owners. The name and Castel logotype are registered trademarks of Castel Srl. All rights reserved.

B01-2026-7690N-EN

CASTEL S.r.l.

Via Provinciale, 2-4
20042 Pessano con Bornago (MI)

Tel. +39 02.957021
Fax +39 02.95741317

info@castel.it
castel.it