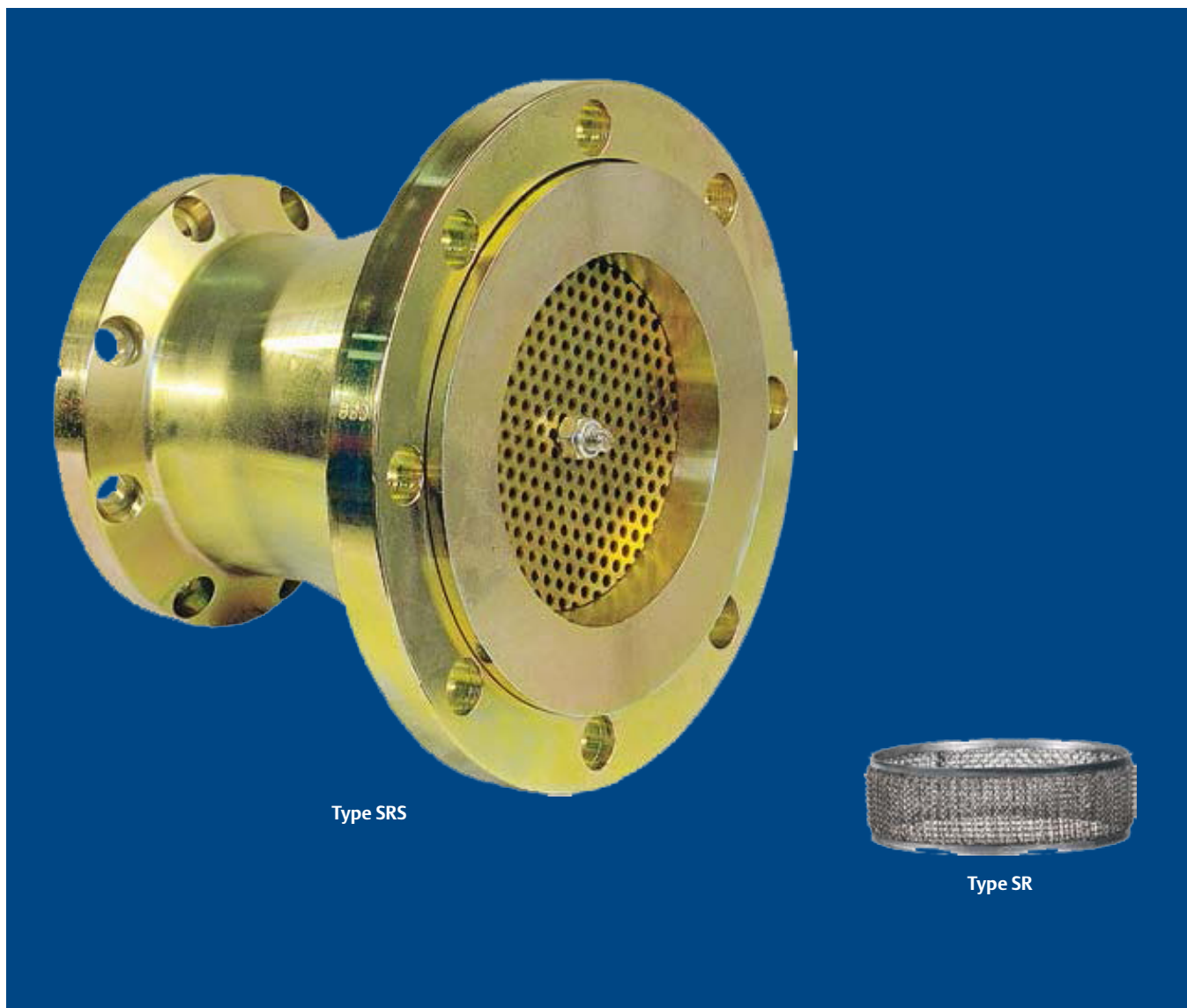


NOISE REDUCTION SYSTEM

TYPE SR - SRS - STL - STP



Type SRS

Type SR

Europe, Middle East and Africa Document Only

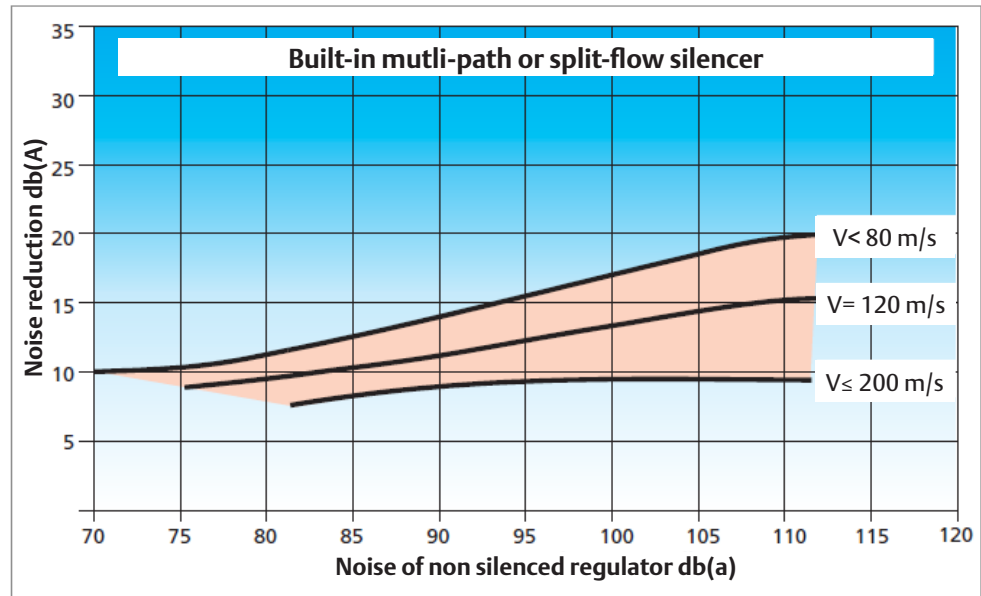
TYPE SR - SRS - STL - STP

Silencer

SR - This silencer is fitted near the regulator shutter and is highly efficient up to a theoretical speed of 80 m/s calculated at the outlet flange.

Available for regulators series FL/ - Cronos - M/.

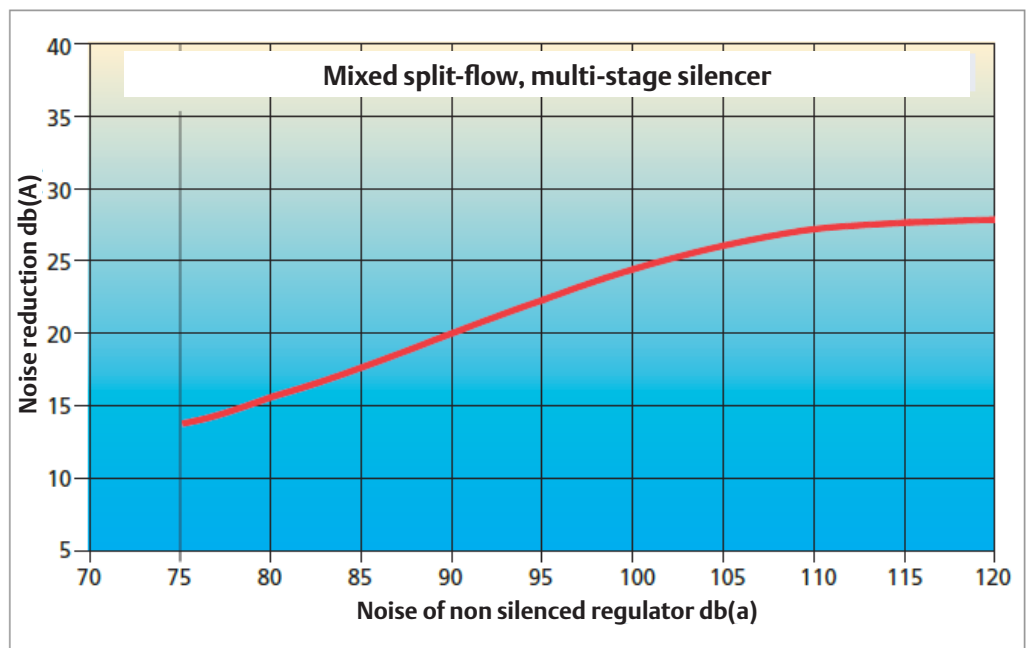
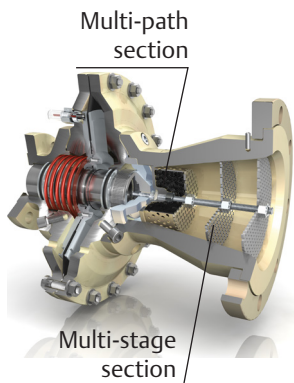
Beyond this speed could be necessary to act on the noise generated by the expansion cone usually installed downstream of the regulator.



SR - SRS The SRS silencer consists of an SR silencer plus a widened outlet flange in which a second silencer is fitted. The second silencer has an initial multi-path section and a second multi-stage section.

Available for regulators series FL/ - Cronos.

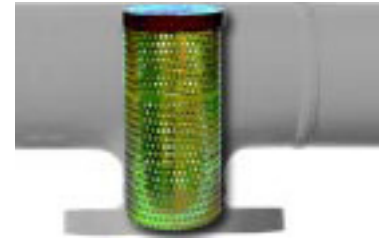
This silencer is highly efficient under all operating conditions, is not limited by the theoretical speed on the regulator outlet flange.



Silencer

STL - These silencers have been specially developed to be introduced into “T” couplings of pipings.

They are reactive-absorption mixed type silencers and allow not to experience any noise increase in the “T” coupling and get a noise reduction in the downstream piping.



A suitable dimensioning of the silencer and downstream manifold allows not to experience significant power losses and thus capacity values are not jeopardised. Noise reduction down to 15 dB(A).

STP - Habitually used down-stream of SRS silencers but can also be combined with the SR silencer. Overall reduction in noise level is the sum of the reduction produced by SR or SRS plus the STP induced reduction.

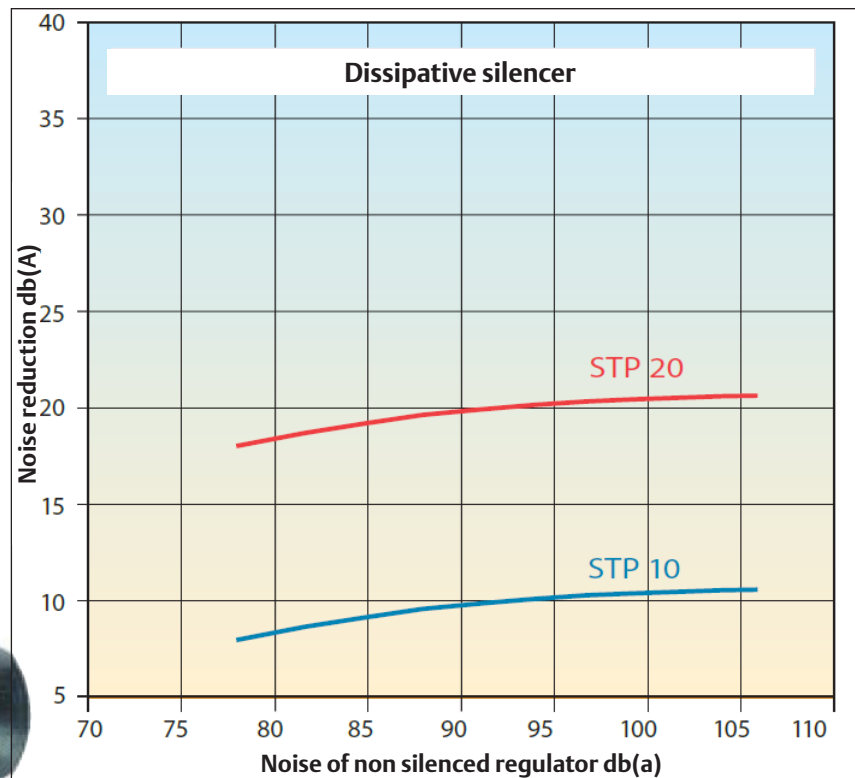
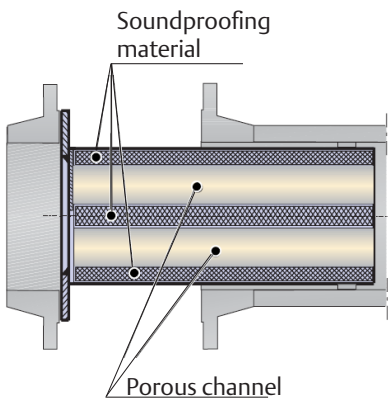
The STP silencer consists of one or more porous channels clad with soundproofing material. Sound penetrates inside the soundproofing layer and is transformed into heat by friction.

The silencer is fitted in the pipe and is secured with two flanges.

Two types of silencers are supplied:

- STP10 10 dB(A) attenuation, with length of approximately 1 m
- STP20 20 dB(A) attenuation, with length of approximately 2 m

As the silencer is fitted in pipe, it will be independently sized depending on the diameter and length available to fit the STP silencer. Please contact your local Emerson partner with relevant pipe dimensions (inner and outer diameter and length).





Metal or brickwork cabinets

The use of metal cabinets allows to create an efficient barrier to noise propagation.

Non sound-proof cabinets produce a noise reduction by 8-9 dB(A).

Sound-proof cabinets combined with suitably protected vents allow a reduction by approximately 20 dB(A) with the possibility to reach 30 dB(A).

The use of sound-proofing hoods on the main noise area, in particular on regulators, allows a noise reduction by at least 25 dB(A).

Brickwork cabinets allow a reduction by at least 20 dB(A) provided that ventilation



Underground Module

It has been designed with the main target of getting round problems of environmental impact caused by traditional installations in cabinets or brickwork buildings.

For its peculiar underground positioning, it turned out to be one of the most efficient remedy against noise pollution.

Thanks to its versatility and range of models available, the Underground Module can be used in any place and under all conditions, from domestic to industrial utilities.

✉ Webadmin.Regulators@emerson.com

🔍 Tartarini-NaturalGas.com

📘 Facebook.com/EmersonAutomationSolutions

🌐 LinkedIn.com/company/emerson-automation-solutions

🐦 Twitter.com/emr_automation

Emerson

Americas

McKinney, Texas 75070 USA
T +1 800 558 5853
+1 972 548 3574

Europe

Bologna 40013, Italy
T +39 051 419 0611

Asia Pacific

Singapore 128461, Singapore
T +65 6777 8211

Middle East and Africa

Dubai, United Arab Emirates
T +971 4 811 8100

O.M.T. Officina Meccanica Tartarini S.R.L.,

Emerson Automation Solutions - Stabilimento di/Site of: Castel Maggiore - Bologna
Sede Legale/Legal Entity: Piazza Meda 5, 20121 Milano, Italy
Sede Amministrativa/Administrative Headquarters: OMT Tartarini, Via Clodoveo Bonazzi 43,
40013 Castel Maggiore (Bologna), Italy C.F. - P.I. e R.I. di MI 13186130152 - REA di MI/n.1622916
Direz. e Coord. (art. 2497 bis CC): EMERSON ELECTRIC CO. St. Louis (USA) Socio Unico

D104664X012 © 2010, 2024 Emerson Process Management Regulator Technologies, Inc. All rights reserved. 01/24.

The Emerson logo is a trademark and service mark of Emerson Electric Co. All other marks are the property of their prospective owners. Tartarini™ is a mark owned by one of the companies in the Emerson Automation Solutions business unit of Emerson Electric Co.

The contents of this publication are presented for information purposes only, and while effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. All sales are governed by our terms and conditions, which are available on request. We reserve the right to modify or improve the designs or specifications of our products at any time without notice.

Emerson Process Management Regulator Technologies, Inc does not assume responsibility for the selection, use or maintenance of any product. Responsibility for proper selection, use and maintenance of any Emerson Process Management Regulator Technologies, Inc. product remains solely with the purchaser.

