

LDB171

LDB171 is a new silencer option for Reflux/Reval regulators. The silencer LDB171 allows reducing the noise that is generated in the pressure regulator during the lamination process. Its efficiency is due to the fact that noise reduction takes place at the same point where it is generated, thus preventing its propagation.



Reflux 819



Reflux 819/FO



Reval 182

Features	Values	
Design pressure* (PS ¹ / DP ²)	up to 10.2 MPa up to 102 barg	
Regulator's Cg reduction	up to 5%	
Regulator's noise reduction	up to 15 dBA	
Nominal size (DN ^{1,2})	DN 25 1"; DN 50 2"; DN 80 3"; DN 100 4"; DN 150 6"; DN 200 8"	
Models type	Reflux 819 - Reflux 819/FO	Reval 182
Ambient temperature* (TS ¹)**	Standard version from -20 °C to +60 °C from -4 °F to +140 °F Arctic version from -40 °C to +60 °C from -40 °F to +140 °F	Standard version from -20 °C to +60 °C from -4 °F to +140 °F Arctic version from -29 °C to + 60 °C from -20 °F to +140 °F
Inlet gas temperature* ,***	Standard version from -10 °C to +60 °C from +14 °F to +140 °F Arctic version from -20 °C to +60 °C from -4 °F to +140 °F	Standard version from -20 °C to +60 °C from -4 °F to +140 °F Arctic version from -20 °C to +60 °C from -4 °F to +140 °F

(¹) according to EN334 standard

(²) according to ISO 23555-1 standard

(*) NOTE: Different functional features and/or extended temperature ranges may be available on request. Stated inlet gas temperature range is the maximum for which the equipment's full performance, including accuracy is guaranteed. Product may have a different pressure or temperature ranges according to the version and/or installed accessories.

(**) NOTE: Stated temperature range is the operating range for which the equipment's mechanical resistance and leakage rate are guaranteed. Some body materials, if multiple choices are available, may not be suitable for all the available versions shown.

(***) NOTE: Stated temperature range is the range for which the equipment's full performance, including accuracy and lock-up are guaranteed. Some body materials, if multiple choices are available, may not be suitable for all the available versions shown.

Table 1 Features

Materials and Approvals

Part	Material
Body	Carbon steel
Screws	Carbon steel

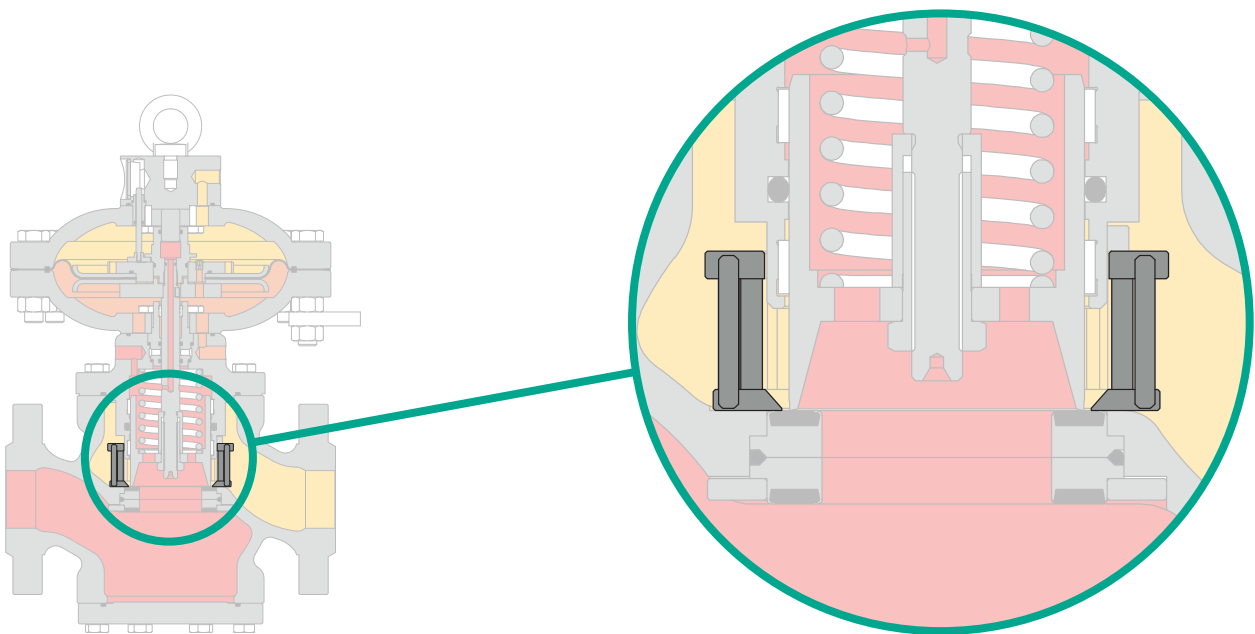
NOTE: The materials indicated above refer to the standard models. Different materials can be provided according to specific needs.

Table 2 Materials

The **LDB171** silencer regulator is designed according to the European standard EN12516. Directive 2014/68/EU (PED-CE) is not applicable for this accessory stand-alone, while it is included in the relevant regulator's certificate when installed.



EN12516



LDB171 competitive advantages



Compact and simple design



High efficiency



No impact on regulator's dimension



Top Entry



No maintenance



Biomethane compatible and 20% Hydrogen blending compatible. Higher blending available on request