

AODD PUMPS DAF _____

DUOTEK *DAMPER* Series – Pneumatic Diaphragm Pumps - ACCESSORIES



TECHNICAL DATA

- Connections:
 - Fluid 3/4" ÷ 2"
 - Air 6 mm ÷ 12 mm
- Max air pressure: 8 Bar

The active Pulsation Damper is the most efficient way to remove pressure variations on the discharge of the pump. DUOTEK pulsation damper works actively with compressed air and diaphragm, automatically setting the correct pressure to minimize the pulsations. Pulsation dampeners require minimum maintenance and are, subject to requirements of the application, available in the same housing and diaphragm materials as the pump.

They are specifically designed for demanding applications in potentially explosive atmospheres (ATEX Certification):

- ATEX  Zone 2 in all versions: **EX II 3/3 GD c IIB T135°C**
- ATEX  Zone 1 in all versions: **EX II 2/2 GD c IIB T135°C**

A special version is **FDA Compliant**, made of AISI 316 electro-polished, specifically used in the food industry.

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DAMPER KEY CODE

Table with 6 columns: Field 1 (DAF), Field 2 (00), Field 3 (040), Field 4 (P), Field 5 (H), Field 6 (T)

Diagram mapping fields to components: Field 1 to model, Field 2 to type, Field 3 to series, Field 4 to body material, Field 5 to AIR diaphr., Field 6 to FLUID diaphr.

Field 1 model: DAF Damper

Field 2 type: 00 Zone 2 ATEX, X0 Zone 1 ATEX, 0F FDA Compliant - Zone 2 ATEX, XF FDA Compliant - Zone 1 ATEX

Field 3 series: Table with Max pressure, Connection [BSP] (fluid, air), and For pump model

Field 4 body material: P Polypropylene + glass fiber, C Polypropylene + carbon fiber, K PVDF + carbon fiber, A Aluminium, S SS 316, M POMc, N POM + carbon fiber

Field 5 AIR diaphr.: H Hytel, M Santoprene

Field 6 FLUID diaphr.: T PTFE

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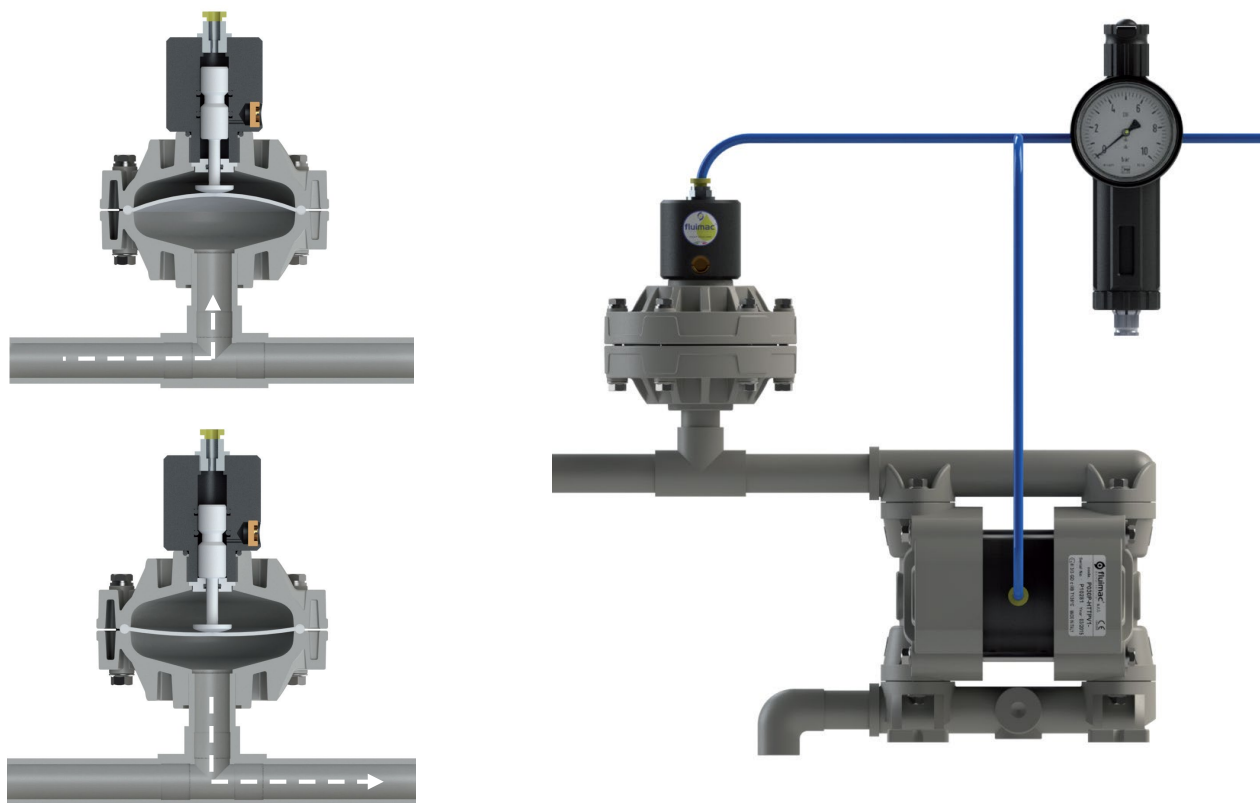


APPLICATION

- Metering / Injection / Dosing
- Equalizes discharge pressure spikes, increasing accuracy
- Filter press / Inline filters
- Increases filter efficiency and life by providing a smooth flow
- Spraying
- Smooth, consistent spray pattern
- Filling
- Eliminates inconsistent filling and splashing
- Transfer
- Eliminates harmful water hammer, preventing pipe and valve damage

HOW IT WORKS

the pulsating flow of the discharge forces the diaphragm upwards where it is cushioned by the air in the chamber. The flexing of the diaphragm absorbs the pulsation giving a smooth flow.



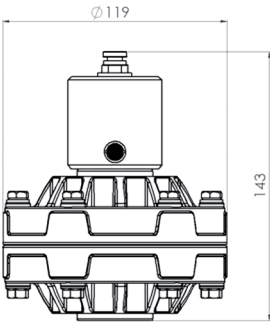
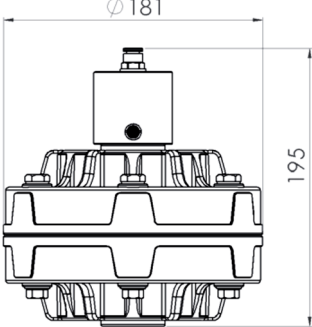
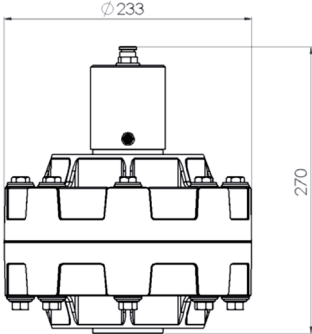
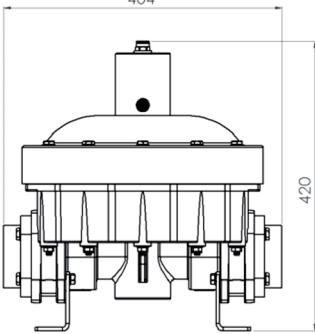
Significant Pulsation Reduction with an average 70% ÷ 80% pulsation reduction in high back pressure applications

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DIMENSIONS (*ALL materials*)

DAF__020	DAF__025	DAF__040	DAF__050
 PP PVDF POMc AISI 316 <i>for pump model</i> 0007 – 0018 – 0030	 PP PVDF POMc AISI 316 <i>for pump model</i> 0050 – 0065 – 0100	 PP PVDF POMc AISI 316 <i>for pump model</i> 0160 – 0250	 PP PVDF ALUMINIUM AISI 316 <i>for pump model</i> 0500 – 0700 – 1000