



Note: Read the corresponding technical documentation for handling and safety reasons.

1. Mounting the pulse damper

The pulse damper is mounted onto the mounting bracket with two allen screws. The mounting bracket and the screws are included in the accessory kit.

- Tools**
- Allen screwdriver 2.5 and 4 mm
 - Torque wrench 2.5 mm
 - Open-end wrench 27 mm



Note: The capillaries should be connected with the pulse damper with 7.5 Nm torque, as the connections must withstand high pressures.

Process	Pictures
<ol style="list-style-type: none">1. Remove the screws on the rear side of the device.2. Align the side panel and re-tighten the screws.3. Align the mounting bracket with the bore holes ① in the side panel.	<p>Fig. 1: Bore holes</p>
<ol style="list-style-type: none">4. Tighten the 2 screws ②.	<p>Fig. 2: Screws of mounting bracket</p>
<ol style="list-style-type: none">5. Place the pulse damper into the holder ③.6. Align the holder with the bore holes in the mounting bracket.7. Tighten the screws and washers ④.	<p>Fig. 3: Mounting bracket, rear view</p>

- Next steps**
- Connect the capillary with 7.5 Nm torque (stainless steel version) or 1 Nm (PEEK version) according to fig. 4.
 - Put the device into operation.

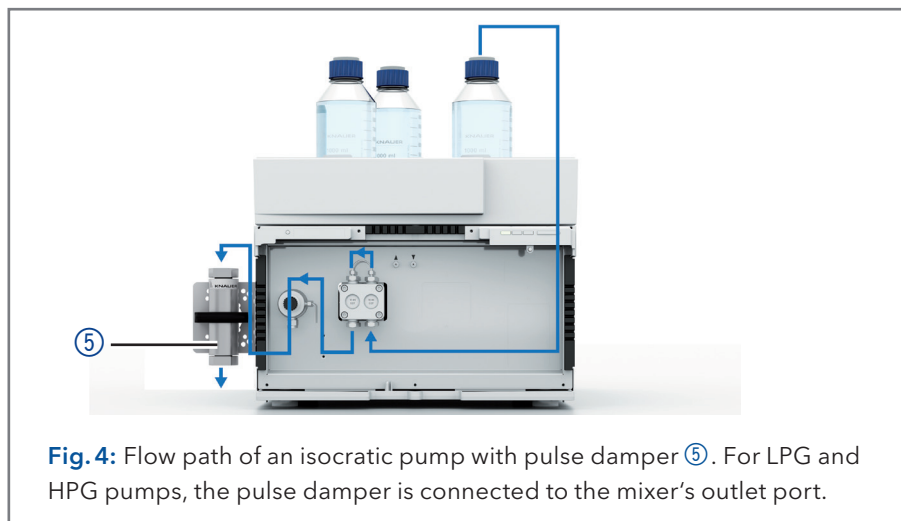


Fig. 4: Flow path of an isocratic pump with pulse damper ⑤. For LPG and HPG pumps, the pulse damper is connected to the mixer's outlet port.

2. Dismounting the pulse damper

For dismounting the pulse damper, follow the process above in reverse order.



Note: The pulse damper must be dismounted in one piece. Do not disassemble the pulse damper itself.

3. Repeat orders

Process	Order no.
KNAUER Pulse Damper Low Volume	AZZ00NA
KNAUER Pulse Damper High Volume	AZZ00NB
KNAUER PEEK Pulse Damper	AZZ10NB
Mounting Bracket for Pulse Damper	FZZ2

4. Technical data

Parameters	High volume	Low volume	PEEK
Damping mechanism	Membrane-free	Membrane-free	Membrane-free
Inlet/ outlet ports	UNF 10-32, 1/16"	UNF 10-32, 1/16"	UNF 10-32, 1/16"
Max. operating temperature	120 °C	120 °C	40 °C
Max. pressure	1000 bar	1000 bar	225 bar
Wetted materials	Stainless steel 316L, PTFE, PEEK	Stainless steel 316L, PTFE, PEEK	PTFE, PEEK
Dimensions (height, diameter)	116 mm, 32 mm	72 mm, 32 mm	116 mm, 32 mm
Internal volume	290 µl (ambient pressure) 650 µl (600 bar/8700 psi)	275 µl (ambient pressure) 450 µl (600 bar/8700 psi)	290 µl (ambient pressure)