

ARO[®]

Take the pulse out Keep the system running

ARO Shock Blocker™ Fluid Pulsation Dampeners



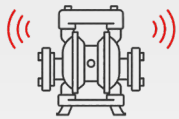
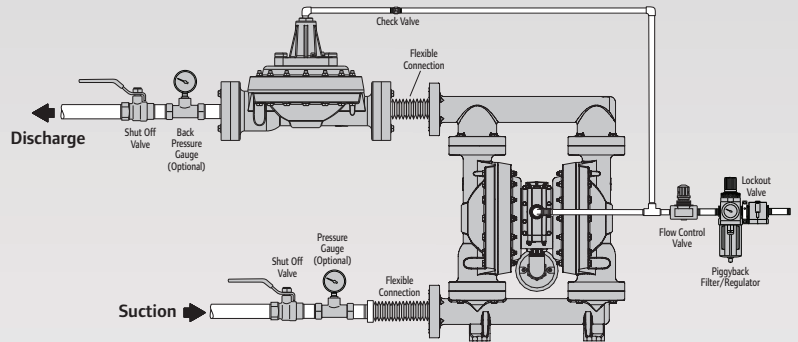
Passive - Adjustable - Active — 80-90% pulsation reduction —
Water to aggressive chemistry — 0.5" to 3" pump connections

Every diaphragm pump pulses by design. What you do about it changes the system.

Pulsation is the silent tax on every fluid system. Left unchecked, it damages piping, disrupts instruments, fatigues fittings, and shortens component life.

Maintenance sees it in warranty calls, unplanned shutdowns, and leaks that shouldn't occur. Operators notice noise and vibration.

A properly sized Shock Blocker dampener removes 80–90% of pulsation at the source—extending equipment life, protecting accuracy, and reducing noise.



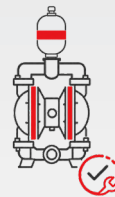
RUN QUIETER

80–90% pulsation reduction. Pipes stop rattling. Fittings stop loosening. Operators stop complaining.



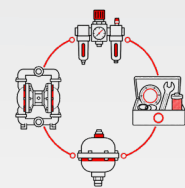
RUN LONGER

Less pulse downstream means longer service life on every joint, instrument and component your fluid touches.



RUN SMARTER

Sized and tested for your pump. The pairing between pump and dampener is engineered, not guessed.



ONE BRAND WHOLE SYSTEM

Pump from ARO. Dampener from ARO. FRL from ARO. Service kits from ARO. One warranty conversation.

Which Shock Blocker is right for *your system?*

Passive

Pre-charged at install with nitrogen or compressed air. No on-site air required during operation. The default for every EVO210.

Adjustable

Adjustable dampener allows continual adjustment of dampener pressure to changing pump operational loads. Air must be available on-site.

Active

Live pneumatics. Automatic air adjustment matches the pump in real time – the original Shock Blocker. For AODD pumps on continuous air supply.

* Check chemical compatibility before you order.
Optional: ask our expert.



One family. Three categories. Every chemistry you actually run.

Five new passive and adjustable pulsation dampeners in various variants alongside the existing active range — all under the ARO Shock Blocker brand. For more details reach out to product brochure.

Part No.	Category	Housing	Diaphragm	Volume (in³)	P max		Primary Application
					psi	bar	
NEW SBGXXX-GXP-X	Passive	GF-Polypropylene	EPDM	80	150	10.3	For all general purpose application – water, lubricants, light chemistry
SBGXXX-CXP-X	Passive	PVC	EPDM	80	150	10.3	Water-treatment chemistry, mild-acid dosing
SBGXXX-KXP-X	Passive	PVDF (Kynar)	PTFE	80	150	10.3	Aggressive chemistry, solvents, high-purity media
SBPXXS-XSS-XX	Passive SST	316L Stainless Steel	PTFE (flat)	40	145	10.0	Hygienic, high-temp, food & beverage, pharma
SBGXXX-GXA-X	Adjustable	GF-Polypropylene	EPDM	80	150	10.3	On-site air available – tune pre-charge against conditions
SB10X-XXX-X	Active	PP / PVDF / Acetal	Santoprene · Hytrel · PTFE	57	100	6.9	½" & 1" AODD – automatic air adjustment
SB20X / SB30X	Active	Aluminum · Cast Iron · SS	Santoprene · Nitrile · PTFE	194-367	120	8.3	1-½", 2" & 3" AODD



Passive

SBG108-GNP-E

For all general purpose application

GF-Polypropylene · EPDM · 80 in³ · 1" NPTF

For water, lubricants, anti-freeze and light chemistry. The right dampener when you don't yet know your customer's full chemistry picture – and the right answer when you do.



Passive

SBG108-CNP-E

For water-treatment chemistry

PVC · EPDM · 80 in³ · 1" NPTF

Superior acid and chlorinated-water resistance for municipal water, pool chemistry and mild-acid dosing systems.



Passive

SBG108-KNP-T

For aggressive chemistry

PVDF · PTFE · 80 in³ · 1" NPTF

Solvents, strong acids, oxidisers, high-purity media – the chemistry match for your EVO210 Non-Metallic pump.



Passive SST

SBP10S-SNP-T

For corrosive and hygienic application

316L SS · flat PTFE · 40 in³ · 1" NPTF

Hygienic, high-temperature, food & bev, pharma. Proven in EUA installations; now globally available. BSP option at order.



Adjustable

SBG108-GNA-E

When air is on-site

GF-PP · EPDM · 80 in³ · 1" NPTF · adjustable

Same housing as the GF-PP passive variant, with an air valve to dial in pre-charge. Field-retrofittable from passive.

From the pump to the pipe – *One brand, whole system.*

ARO® Shock Blocker dampeners complete the ARO fluid-handling solution your customers already trust. Pair the EVO Series with the right Shock Blocker (Passive/ Adjustable) and stop pulsation before it reaches your piping, instruments, or personnel. For AODD pump, Passive and Adjustable dampeners are ideal for applications where the pump operates under relatively constant load conditions, providing reliable pulsation dampening with a simple, cost-effective design. Active dampeners connect directly to the pneumatic air supply and automatically adjust to changing pump duty cycles, delivering consistent pulsation control even when operating conditions vary.

For a complete system solution, add an ARO FRL and an ARO pneumatic pump to the same quote, giving your customer one purchase order, one warranty, and one trusted point of contact.



Workstation duty – chemical processing, water treatment, light manufacturing.

Electric operated diaphragm pump, passive dampener, no on-site air required. One PO, one brand. Default attach for the EVO Series across the chemistry range — start with GF-PP, swap to PVC where the customer runs mild-acid dosing.



Specialty chemicals, pharma, food & beverage, high-purity media.

PVDF + PTFE or 316L SS + PTFE chemistry match from pump to dampener. The pump and the dampener share the same wetted-material strategy – no weak link between the EVO Series and the rest of your skid.



Brownfield retrofits, modernisation, mixed air-operated and electric AODD.

Plants with a shared compressed-air supply running both old AODD pumps and new EVO Series. Adjustable Shock Blockers tune to local conditions; active Shock Blockers cover the existing AODD fleet.

Key features – shared across the *new passive & adjustable range.*

- + **80–90% pulsation reduction** across the EVO210 operating envelope - 80–90% at <70 PSI (4.8 bar) / <75% pump speed.
- + **Pre-charged passive design** — no on-site air required during operation. Recharge interval 6–12 months.
- + **Field-retrofittable** from passive to adjustable using the same housing.
- + **Service kits available** for diaphragm replacement.
- + **NPT, BSP and flange** connection options at the part-number level.
- + **Validated on the ARO EVO210** across 15, 30, 45 and 60 Hz operating bands.