



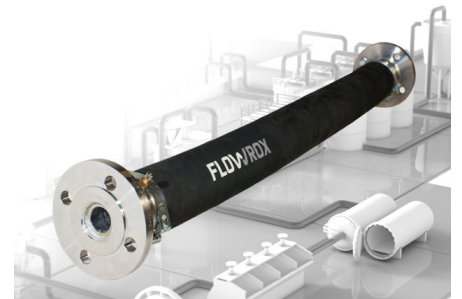
Say goodbye to banging pipes & breaking diaphragms

Flowrox Smart Expulse™

Welcome Flowrox Expulse™ pulsation dampener with Smart option.
The simplest on the market. The easiest to maintain.
The highest level of adjustability.

Simple and Intensive

Flowrox Expulse™ is the simplest and most robust inline pulsation dampener on the market. This solution quiets the banging noise by settling up to 90% of pressure peaks that can eventually lead to pipeline breakage. Moreover, it saves up to 10% in pumping energy by temporarily storing it to the flexible inner hose and filler gas. The flexible construction eases system maintenance, leading to reduced downtime costs.



Additional Smart Features

Flowrox also offers a smart option that enables accurate pressure control regardless of process changes. This prolongs system lifetime also in the most challenging conditions. Flowrox SmartCube can simultaneously control up to five Expulses, and their performance can be monitored using the Flowrox Malibu™ platform.

It is also possible to connect other process parameters and indicate values in Malibu™, which is accessible on any device with an Internet browser.

Best Solution for Your Needs

Choose only the options you really need. The Smart option is recommended for challenging process conditions. We will help you find the best solution to solve your issues!

YOUR BENEFITS

Absorbs up to 90% of pulsations & reduces noise



Saves pumping energy up to 10%



All in one: flexible pipeline connection and dampener



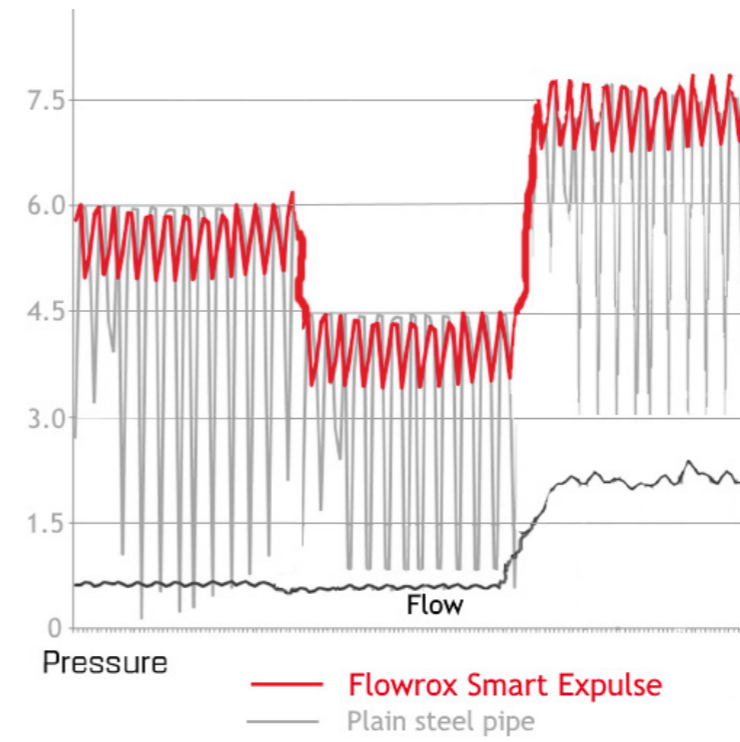
Works perfectly in changing process conditions



One and overall solution for parallel systems

Install easily on any pulsating pump type
from any manufacturer in the market ”

Flowrox Malibu™ for
Online Performance Monitoring
of Flowrox Expulse™



Dampening effect: Flowrox Smart Expulse™ settles the pressure peaks in all process conditions, and it can be adjusted according to the process needs, e.g. for reducing noise.



Flowrox SmartCube:

- Automatic pressure adjustment
- Control of up to five Expulses with one SmartCube



Flowrox Expulse™:

- Can be installed on any pulsating pump from any manufacturer in the market
- Flexible construction eases pump maintenance
- Does not collect sediment or particles





PRODUCT SPECIFICATIONS

TECHNICAL DATA	
Size	DN32-DN100/1 ¼ " -4"
Hose material	NR Standard
Wetted parts	AISI316 & NR
Maximum pressure	10 bar
Maximum temperature	+ 75 °C
Filling media between dampener hoses	Oil free compressed air
Standard features	Threaded ends
Auxiliaries	Flanges
Smart option features	<ul style="list-style-type: none">• Automatic pressure adjustment• Control of up to five Expulses with one SmartCube• Malibu™ platform for system performance monitoring
Smart option requirements	<ul style="list-style-type: none">• Pneumatic air supply to SmartCube• Pneumatic supply from SmartCube to Expulse™• Pressure measurement at the pump outlet• Pump run status signal from the control system• Voltage supply to SmartCube

Size (DN)	Length	Inner diameter	Threads	Weight (kg)
32	1100	40	G1-1/4" THREADS	7
40	1100	50	G1 1/2" THREADS	11
50	1400	65	G2" THREADS	13
65	1500	76	G2 1/2" THREADS	18
80	1500	102	G3" THREADS	38
100	2900	102	G4" -THREADS	55

Changes possible - all rights reserved.



Flowrox Oy
P.O. Box 338, FI-53101 Lappeenranta
Finland
Tel. +358 201 113 311

www.flowrox.com
info@flowrox.com

