



Pulsation dampeners VPHP

In-line technology



PULSATION DAMPENERS
In-line technology

Valisi VPHP In-Line Pulsation Dampeners reduce vibrations, pulsations, and hydraulic shocks in the system, whilst increasing the life of the hose and preventing damage in pumps, valves, and process instrumentation.

A reinforced rubber hose is mounted inside a metallic, cylindrical pressure vessel; compressed air or nitrogen fills the space between them, allowing the hose to adjust its volume according to the pressure at pump discharge, compensating for any pulsation in the liquid flow.

VPHP Pulsation Dampeners can decrease the pressure fluctuations caused by the operation of the pump by 90%, granting a safer system and environment.

VPHP Pulsation Dampeners are available in four sizes and are suitable for models VPH25 to VPH125 (shoe pumps) and N5N to N7N (roller pumps).

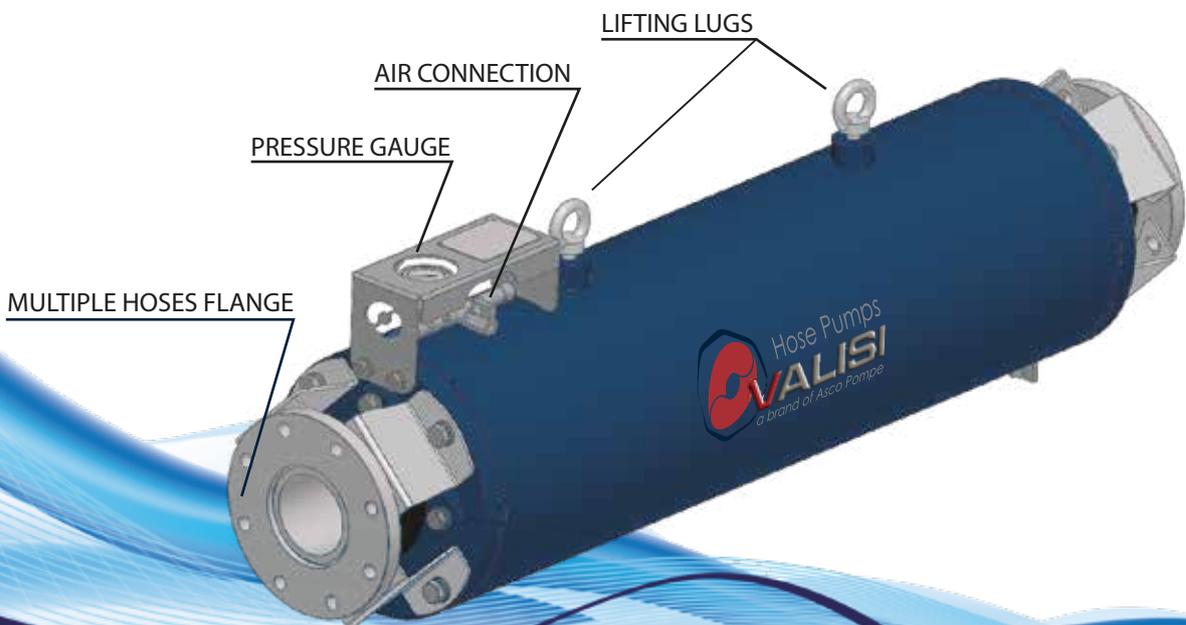
Pulsation dampeners comply with European **PED** Directive 2014/68/EU.

NBR-FDA hoses can be used for food applications.



VPHP MODEL	STANDARD CONNECTIONS	FOR PUMP
VPHP40	DIN PN40 or ANSI 150# multi-diameter flange	VPH25-32-40-40L and N5N - N6N
VPHP65	DIN PN40 or ANSI 150# multi-diameter flange	VPH50-65 and N7N
VPHP100	DIN PN40 or ANSI 150# multi-diameter flange	VPH80S-80-100
VPHP125	DIN DN125/PN40 or ANSI 5"/150# flange	VPH125

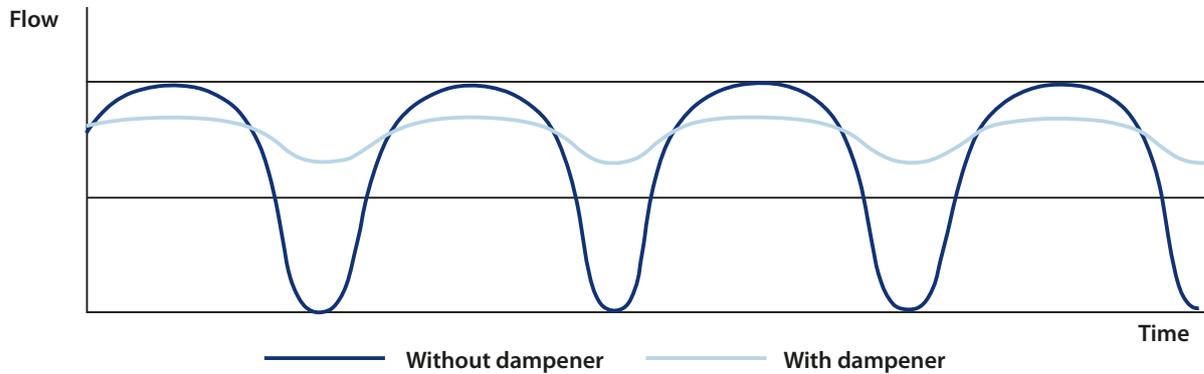
Optional: TRI-CLAMP or DIN11851 connections



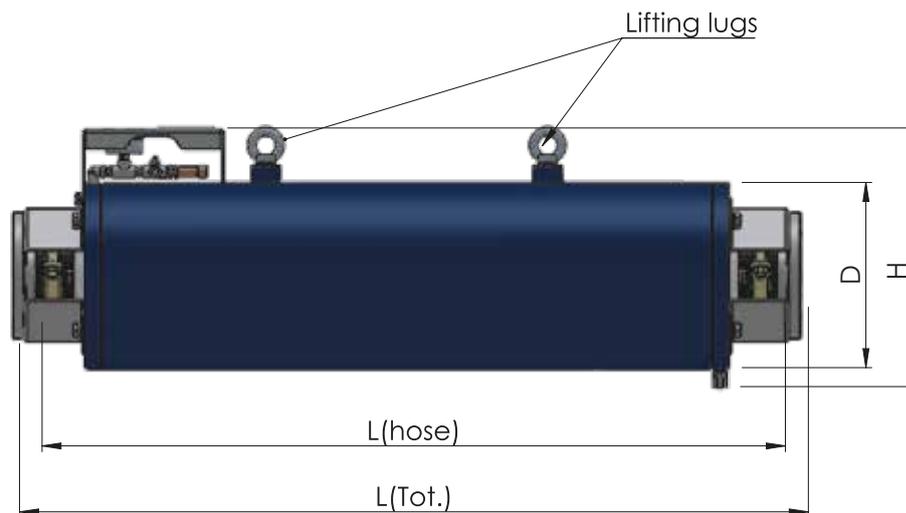


THE DAMPENING EFFECTS

The following graph shows the difference in efficiency between a system with a static discharge line and one with a Valisi VPHP Pulsation Dampener:



Valisi VPHP Pulsation Dampeners can reduce the pulsations by 90%, transforming a pulsating flow into a quasi-linear one. They are extremely effective in improving the performance of your system by reducing flow pulsations and their negative impacts on piping systems.



MODEL	VPHP40	VPHP65	VPHP100	VPHP125
Weight (Kg)	30	90	140	160
D (mm)	169	274	324	324
H (mm)	290	395	460	460
L (tot.) (mm)	800	962	1370	1370
L (hose) (mm)	750	910	1280	1320
Hose Øe & Øi (mm)	67x40	80x50	144x100	167,5x125
STD. CONNECTION UNI EN 1092-1 TYPE A				
UNI	DN25/32/40 PN40 FF	DN50/65 PN40 FF	DN80/100 PN40 FF	DN125 PN40 FF
OPTION CONNECTION ASME/ANSI B16.5				
ANSI	1", 1¼", 1½" #150FF	2", 2½" #150 FF	3", 4" #150 FF	5" #150 FF
OPTION POLYPROPYLENE CONNECTION + UNI OR ANSI FLANGE				
OPTION PVDF CONNECTION + UNI OR ANSI FLANGE				



Excellence In Fluid Handling



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