

WATER-HAMMER PREVENTER FOR WATER SYSTEMS

STOPSHOCK 145



- Water hammer absorber, spring + air system;
- PN 10;
- Brass body;
- Acetal resin diaphragm;
- Stainless steel spring;
- Max temp. 90° C;
- Protect pressure reducing valves and other devices;
- Quick and easy installation;
- Max hammer pressure 50 bar.

MAIN FEATURES:

Maximum water hammer peak:	50 bar
Number of features per WHA:	1 - 60
Maximum branch lines length for single WHA	10 mt – (30 ft)
PDI Class – WH201	C

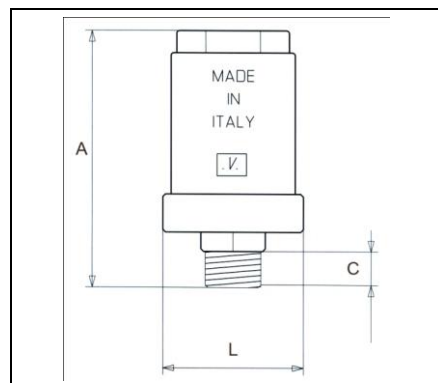
For installation exceeding limit for single WHA use a second valve.

LIST OF MATERIALS:

Body:	brass alloy CW617N UNI EN 12165
Diaphragm:	acetal resin
Spring:	stainless steel AISI 303
Gasket:	Fasit IT – non asbestos fiber
Thread:	½” M - ISO 228

MAIN DIMENSIONS:

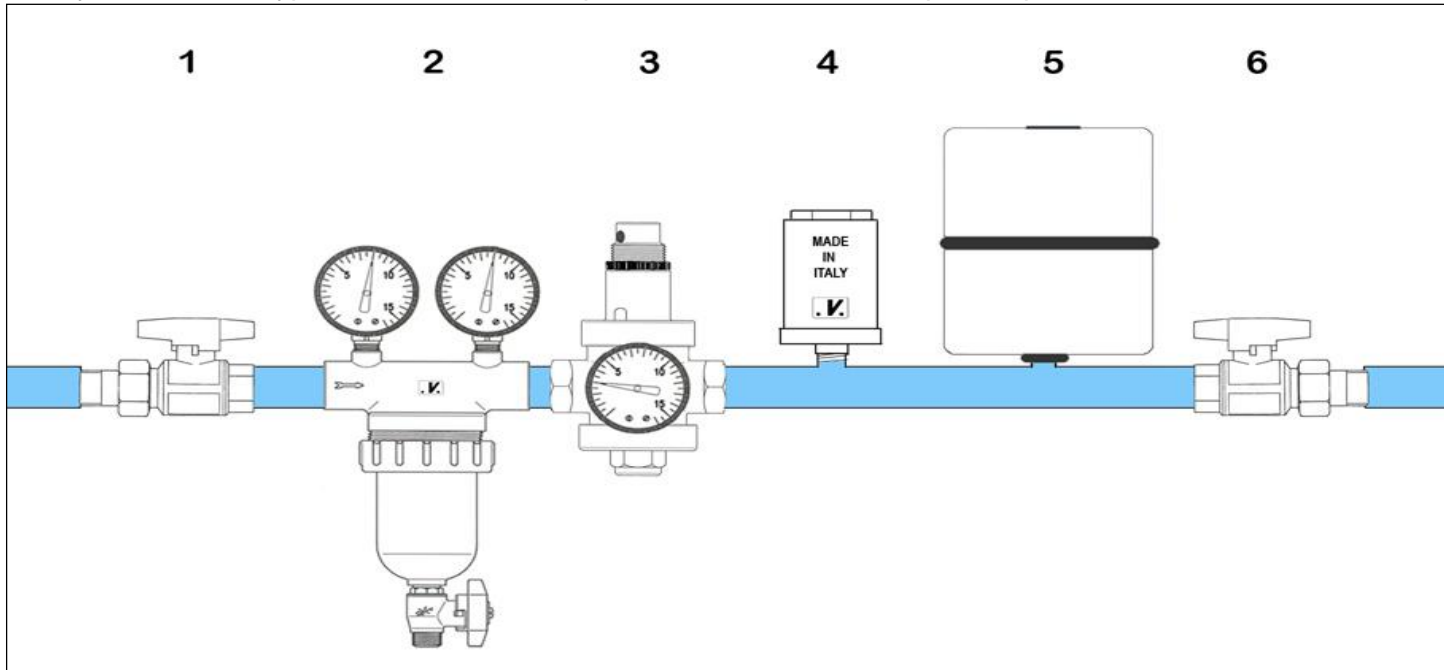
ITEM N.	DN	L	H	C	WEIGHT Gr.
145	½”	51	92,8	12	490



OPERATING DIRECTIONS:

Water hammer is a frequent negative effect, which can be created in water systems by sudden closure of mixers, gate valves, electro valves; water hammer can create different problems into the pipeline, from a simple noise until braking up of several devices. The installation our STOPSHOCK 145 protect from damages and avoid the typical noise. Stopshock valve should be installed upstream the device which generate water hammer.

Below you can see a typical installation of Stopshock valve in order to a protect pressure reducer:

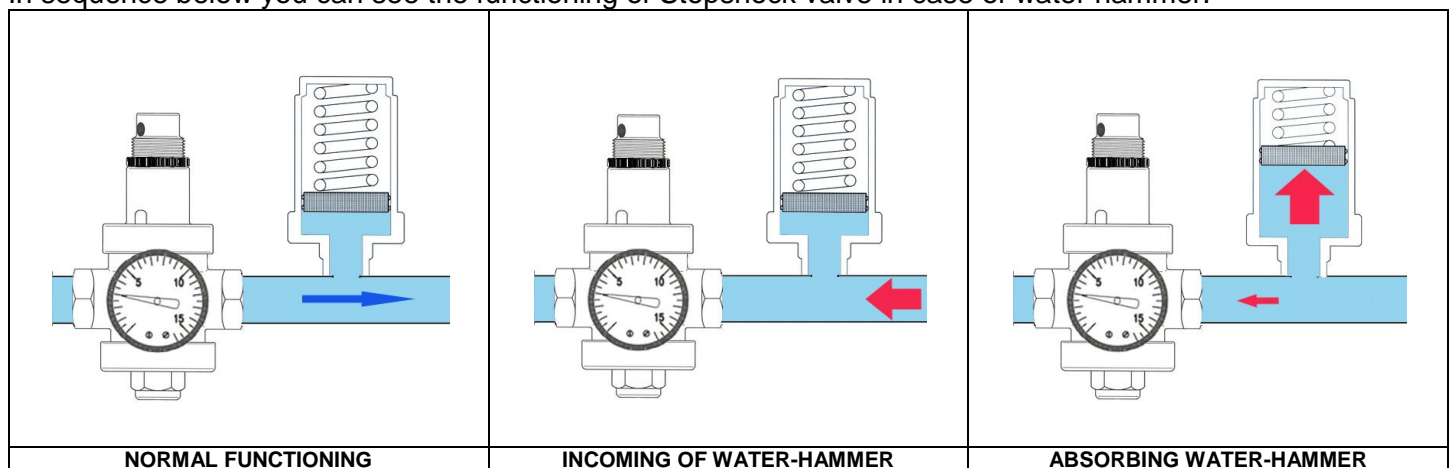


1 – BALL VALVES
2 – NEPTUN SEF-CLEANING FILTER

3 – EUROBRASS PRESSURE REDUCER
4 – STOPSHOCK VALVE

5 – EXPANSION VESSEL
6 – BALL VALVE

In sequence below you can see the functioning of Stopshock valve in case of water hammer:



Main effect of water hammer is absorbed by Stopshock valve; the remaining backpressure which returns into the pressure reducer (and in any other device) cannot cause any damages or noises.

One Stopshock 1/2" is suitable to work in pipelines up to 1 1/4"; in pipelines 1 1/2" and 2", install two Stopshock WHA in the same line.

Malgorani Stopshock does not need installation adjustment or servicing during use.