VLS 1935 Food+
Needle Valve

Description

VLS 1935 needle valves separate the process medium from the measuring instrument such as a pressure gauge, pressure switch or pressure transmitter. By closing this valve, the instrument can be safely disassembled for operations such as recalibration or replacement. Thanks to the pin that does not rotate during its vertical movement, wear on the sealing elements is reduced. This feature is particularly important in the case of frequent valve manoeuvres, significantly increasing valve life. In addition, the burst-tight design of the valves increases safety especially in applications with high operating pressures. These valves are used for separating measuring instruments from the process by means of closing, venting and pressure compensation. They are designed for use in applications with clean liquid and gaseous fluids that are not highly viscous or crystallising. The product must only be used with fluids that are not to be regarded as harmful to the parts in contact with the fluid throughout the operating range of the instrument. Any change in the state of matter or decomposition of unstable fluids is prohibited.

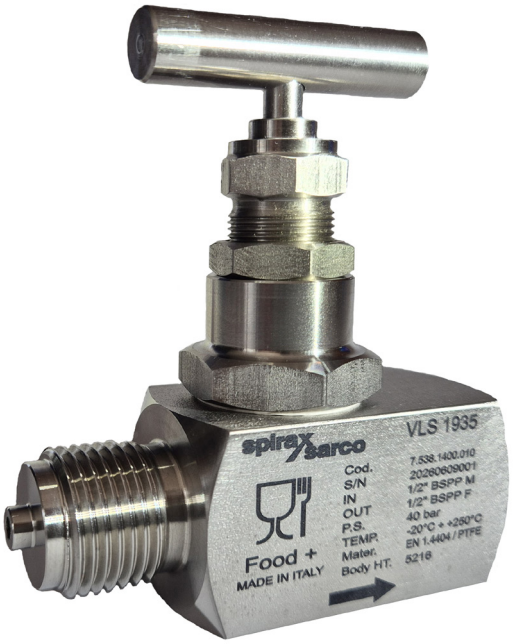
The product may only be used for applications within its technical performance limits (e.g. max. ambient temperature, material compatibility,...).

In case of misuse or operation of the product outside the technical specifications, the instrument must be taken out of service immediately and inspected by an authorised service technician. These valves do not have their own potential source of ignition. The operator is responsible for safe use in hazardous areas in accordance with recognised technological standards. For the reasons mentioned above, these valves are not marked and do not have their own certification. The product was designed and manufactured exclusively for its intended use and may only be used for this purpose. The manufacturer is not liable for claims of any kind when the instrument is used outside its intended purpose.

Main features

Valve seat tested for tightness to BS6755/ISO 5208 leak rate A

Food+ : EC1935.2004
Food+ : FDA



Available versions

2 way ½" BSPP male/½" BSPP female
2 way ½" BSPP male/½" BSPP female with vent screw
3 way ½" BSPP male/½" BSPP female/Test flange Ø 40 mm with vent screw

Options on request:

2 way ¾" BSPP male/¾" BSPP female
2 way ¾" BSPP male/¾" BSPP female with vent screw
3 way ¾"BSPP male/¾" BSPP female/Test flange Ø 40 mm with vent screw
2 way ½" NPT male/½" NPT female
2 way ½" NPT male/½" NPT female with vent screw
3 way ½" NPT male/½" NPT female/Test flange Ø 40 mm with vent screw

Technical data

Designed, built and approved for applications in the presence of condensate and steam. This product complies with EC1935:2004 for materials in contact with food. In addition complies with the EC2023:2006 standard on good practice for manufacture for materials produced that will come into contact with food.

Certifications

On request, these valves can be supplied with a material certificate according to EN10204 3.1.
Note: The options on request are supplied mounted on the valve and must be defined when placing the order.

Food + EC1935

Available with a food contact regulation Declaration of Compliance.

Designed, manufactured and approved for Steam and Condensate applications, Food+ product complies with:

- (EC)1935:2004 Materials and Articles Intended to come into Contact with Food.
- (EC)2023:2006 Good Manufacturing Practice for Materials and Articles Intended to come into Contact with Food.
- (EU)10/2011 Plastic Materials and Articles Intended to come into Contact with Food.

This product is intended to be connected into a system that can operate a food contact compliant process.

A list of the materials that could come directly or indirectly into contact with foodstuffs can be found in the Declaration of Compliance available for this product.

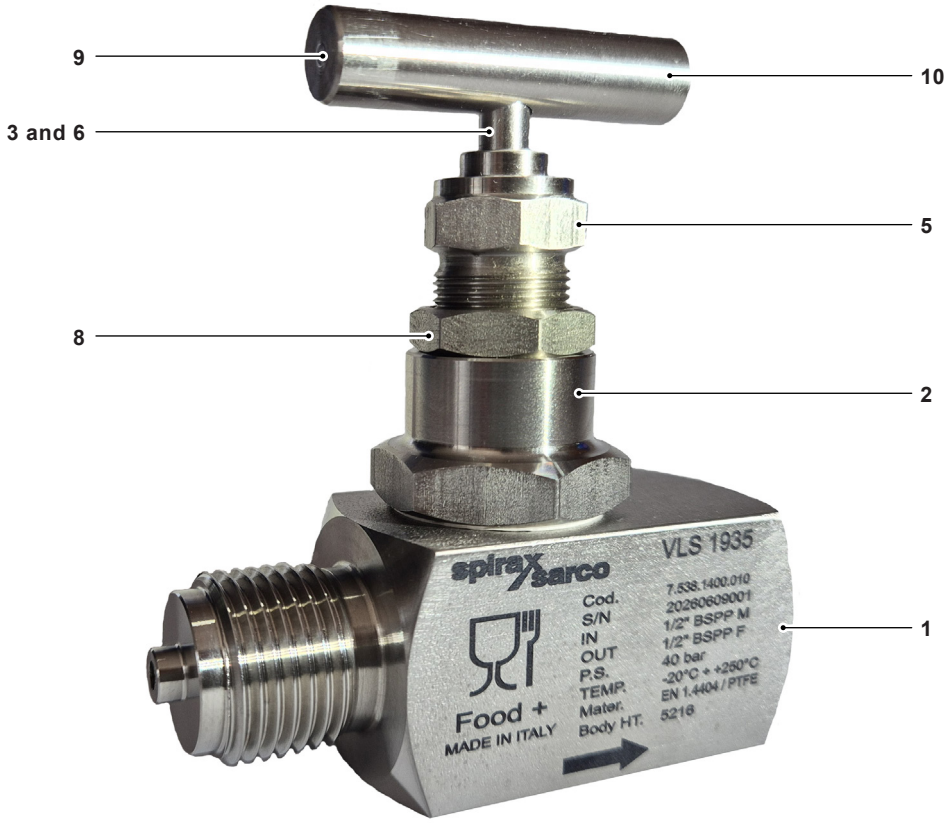
Food + FDA

- FDA Code of Federal Regulations - tittle 21 - Food and Drugs

Pressure/temperature limits

Design conditions of the body		PN40
PMA	Maximum permissible pressure	40 bar
TMA	Maximum permissible temperature	250 °C
PMO	Maximum operating pressure with saturated steam	12 bar
TMO	Maximum operating temperature with saturated steam	200 °C
Minimum operating temperature		-20 °C
Kv		0.2

Materials



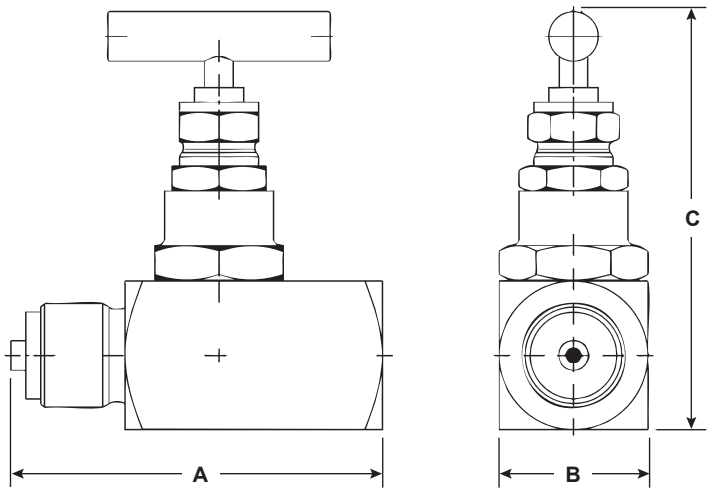
Contact with the fluid

No.	Part	Material	Designation
1	Valve body	Stainless steel	316L
2	Bonnet body	Stainless steel	
3	Pin tip	Stainless steel	
4	Gasket set (internal)		PTFE

Parts not in contact with the fluid

5	Bushing press	Stainless steel	316L
6	Valve stem	Stainless steel	316L
7	Seal bushing (internal)	Stainless steel	316L
8	Lock nut	Stainless steel	316L
9	Locking pin	Stainless steel	316L
10	Handle	Stainless steel	316L

Dimensions/weights (approximate) in mm and kg



DN	A	B	C	Weight
½"	75	30	90	0.460

Safety, installation and maintenance information

For detailed instructions, please refer to the Installation and Maintenance Instructions manual supplied with the equipment.

Note for installation:
The valve must be installed in accordance with the fluid direction indicated on the valve body.

Disposal:
This product is recyclable. No ecological hazard is considered to exist from its disposal, provided that appropriate precautions are taken.

How to specify

VLS 1935 2 way ½"
VLS 1935 2 way ½" with vent
VLS 1935 3 way ½"

How to order

VLS 1935 2 way ½"
VLS 1935 2 way ½" with vent
VLS 1935 3 way ½"