

## SV Non-return valve add-on

### Item numbers covered by this datasheet:

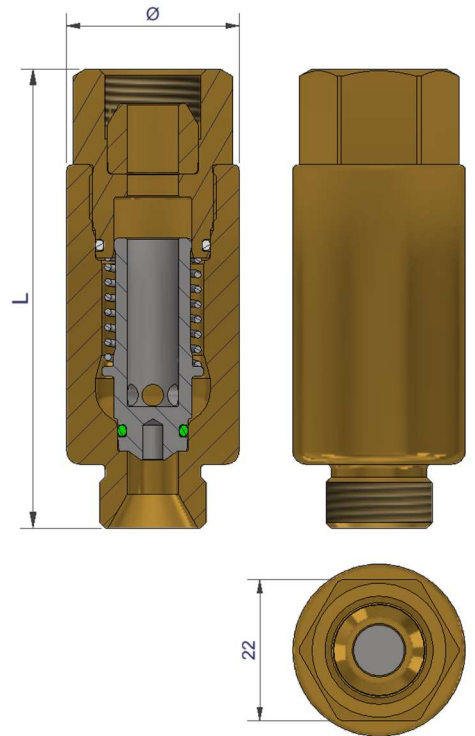
306350 SV NRV add-on

### General

Non-return valve (NRV) for use in SV manifold systems as an add-on between the discharge hose and the SV manifold. The NRV valve is intended to be used if leakage is detected in the built-in non-return valve(s) of an SV-manifold. It prevents the unintended discharge of cylinders, due to the back pressure activation function of the Ci IV8 valve.

### Specifications

Temperature:	-50 °C – 70 °C
Materials	Brass, Stainless steel, PU
Dimensions (L x Ø)	72 mm x Ø27 mm
Weight	0,24 kg
Pressure	
Work	40 MPa
Proof (burst)	>120 MPa
Thread connections	ISO 228-1 G 3/8"
Flow way (Ø; area)	Ø8 mm; 50 mm <sup>2</sup>



### Markings

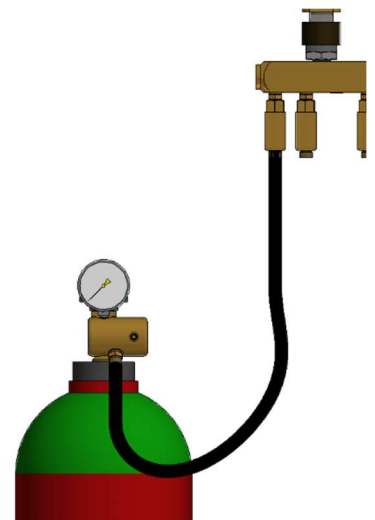
Fire Eater logo, "SV NRV add-on", "WP=400bar", "Flow way 50 mm<sup>2</sup>", serial number, arrow indicating flow direction.

### Installation

The non-return valve is designed to be directly installed on the manifold inlet, using the internal thread on the valve. The discharge valve is connected to the non-return valve via a high-pressure hose (shown on the right).

### Maintenance

The non-return valve is corrosion protected and permanently lubricated. Do not attempt to disassemble the valve. Leak tightness may be checked using 3 to 10 bar pressure in the blocking direction, or using a special vacuum test tool on the valve inlet. Pushing the piston manually back against the stop should not require more than 15 N force, when performing this test do not use tools which could damage the sealing surfaces. If any parts are damaged or leaking, the complete valve must be replaced.



Document: 306350 SV NRV add-on.docx		Text
		1
		2
Category:	Id: HDN	3
SV-CiV system	Rev:2023-11-29	4
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