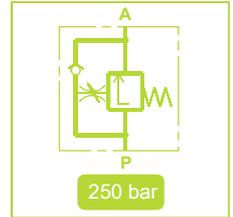




### Advantages:

- ✓ Absorption of pressure peaks
- ✓ Delay time adjustable
- ✓ Large adjustment range
- ✓ Pressure-independent switching sequences possible
- ✓ Only one adjustment screw
- ✓ Valve combinations possible



### Details

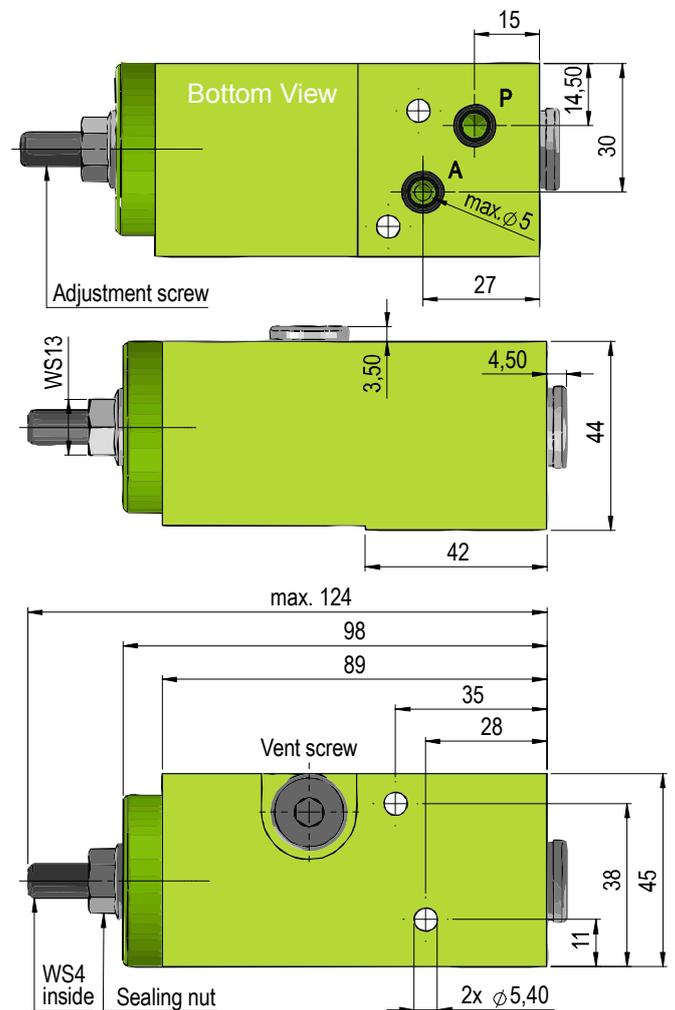
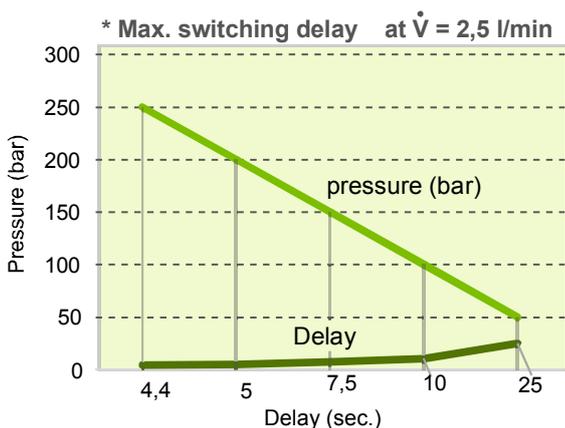
#### Recommendations for use:

The **sequence valve with relay switching sequence** is used in clamping devices, in which a **pressure-independent switching sequence** is to be achieved within a circuit.

A plurality of valves can be connected in parallel or in series.

We recommend as a pressure medium hydraulic oils according to DIN 51524 (HL).

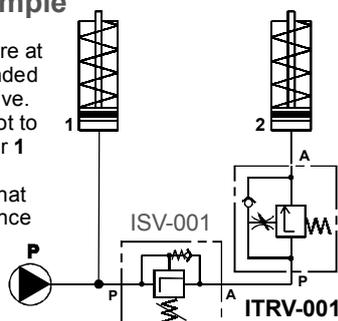
Technical Data	Unit	Value
Max. volume flow	l/min	8
Adjustment area for relay	s	4-25 *
Min. Working pressure	bar	40
Max. working pressure	bar	250
Weight	kg	1,3
Max. working temperature	°C	80
<b>Part number</b>		<b>ITRV-001</b>



#### Circuit diagram example

To avoid a drop of the pressure at the cylinder 1, it is recommended to skip ahead a sequence valve. At the sequence valve the "not to undercut" pressure of cylinder 1 has to be adjusted.

As a general rule to note is, that this **timer** is not a real sequence valve.



#### Function:

The hydraulic oil at the valve is supplied in the base at the port **P** via a throttle screw to a differential piston. At the same time, the hydraulic pressure in an integrated **non-return valve** is on, which cuts off the flow to the port **A**.

Depending on the position of the **adjustment screw**, the differential piston moves forward in a certain time and the check valve opens. Because of that, the flow from port **P** is released to port **A** and provides subsequent Hydraulic components with pressure oil.

When the hydraulic pressure is removed, the spring moves the differential piston into the initial position. The hydraulic oil flows through a check valve - inside of the throttle screw - to port **P**.