



# RPV VALVES

Industrial gas valves > Residual pressure valves (RPV)





The RPV Gen5 is the new generation of Residual Pressure Valves for Carbon Dioxide, Oxygen, Inert, mixtures and flammable gases. It is compatible with all existing RPV connections and increases the flow capacity enabling faster fill cycles. Its Residual Pressure Device prevents ingress of contaminants like moisture and particles in the cylinder and ensures a longer life time of the cylinder.

## Key advantages

- Increase your flow capacity thanks to high Cv value up to 0.7
- Bigger stroke of Residual Pressure Device (RPD) piston (up to 7mm)
- Improve your productivity
- Fit to all existing RPV connections and common industrial gases
- Piston stroke (Residual Pressure Device (RPD) Displacement up to 7 mm) enhancing to cover all range of pin length
- Compatible with automatic filling station
- Oxygen pressure surge tested at 380 bar
- Robust & compact patented design up to 315 bar (4000 cycles tested)
- Excellent gasket resistance up to 60 blow downs
- New handwheel design with integrated rupture safety
- Easy guard replacement during maintenance thanks to the compact design
- Suitable for medical oxygen

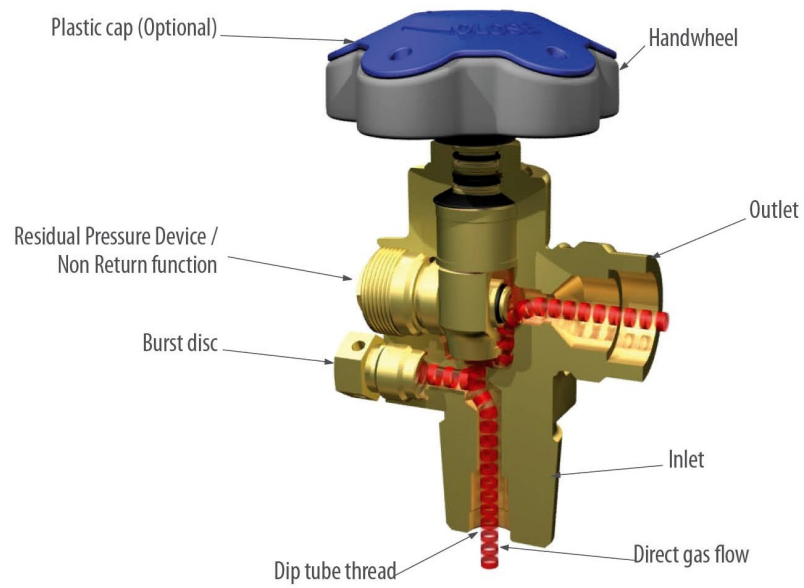
## CUSTOMIZABLE HANDWHEEL

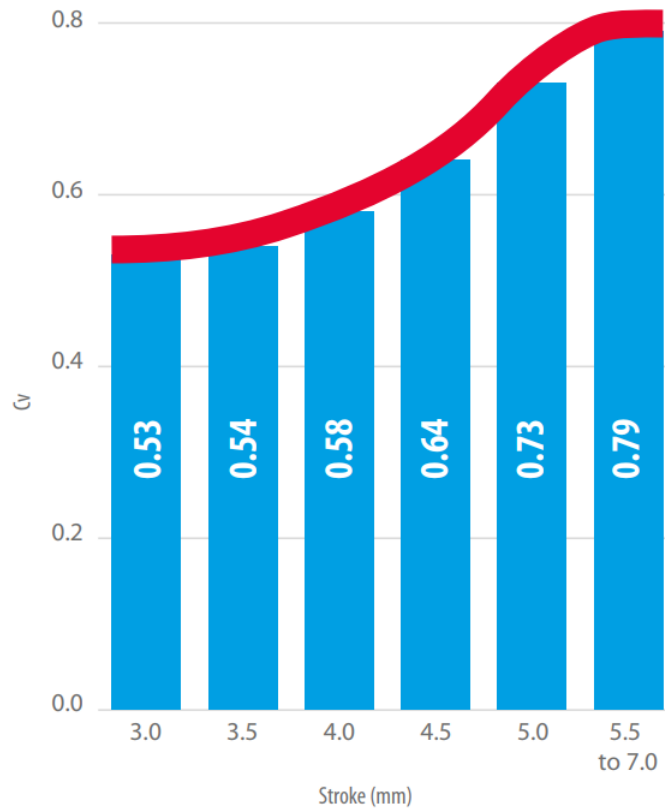
- Opaque or transparent cap
- Available in many different colors
- Customized printed logo on request
- Stronger assembly cap with handwheel

- Ergonomic design for comfortable grip



## FLOW OPTIMIZED DESIGN / FASTER FILLING

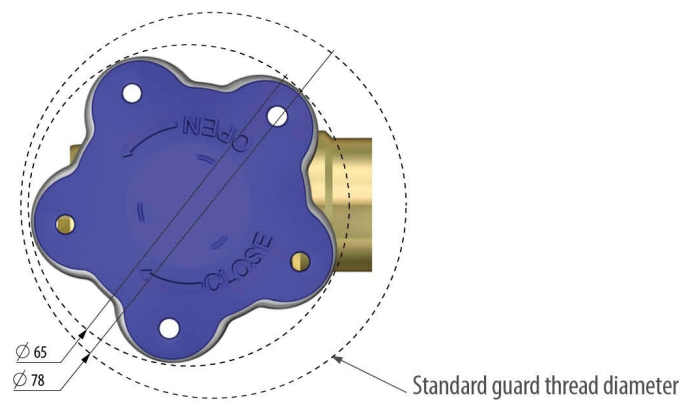
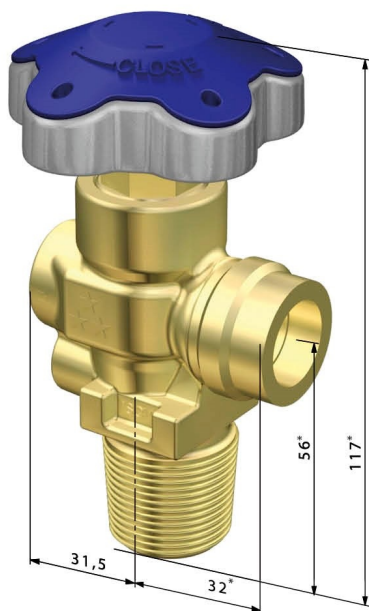




## Specifications

<b>Temperature range</b>	-40 to +65 °c
<b>Working pressure pmax.</b>	315 bar
<b>Gas type</b>	Carbon Dioxide, Inert & mixtures, Oxygen, Flammable & mixtures
<b>material</b>	Body : brass Handwheel: aluminium O-ring : EPDM or PU Spring : CUBE / Stainless Steel
<b>Approved according to</b>	ISO 10297 - 2014 ISO 15996 - 2017
<b>Leak rate</b>	1.10 <sup>-3</sup> M bar l/s
<b>Tested up to</b>	4.000 cycles for manual valve 200.000 cycles for RPD
<b>Max. stroke of rpd</b>	7 Mm

## Dimensional drawings



\*Lengths for 2SE | ISO 30 connections

## Downloadable catalogs, brochures



### Industrial cylinder valves

Last update: Jul 20, 2021

Available in: **EN**



INDUSTRIAL CYLINDER VALVES

# Related Products



**C511/C516**



**C878/C879**



**C978**



**C521/C526**



**C560**



**C979/C980**



**C508**



**C969**

