



# Air recovery valve R-1602

## 1. Air Recovery valve R-1602

This air recovery valve of simple and robust design can easily be used to recover air on any kind of stretch blow molding machine on the market. Whatever the bottle volume or process; the R-1602 recovery valve is the optimum choice due to its high air flow capacity. The simple design of the valve makes it highly reliable and easy to install.

## 2. Typical application

Air recovery valve for rotary and linear stretch blow molding machines.

## 3. Technical data

<b>Medium</b> Filtered compressed air	<b>Inlet port size</b> <i>The inlet port is designed according to each type of machine. The following values are examples of what is already available. Please contact us for further information.</i> G3/4" or G1" or G1"1/4 or G1"1/2
<b>Maximum inlet pressure</b> 40 [bar]	<b>Outlet port size for recovered air</b> <i>The outlet port for the recovered air is designed according to each type of machine. The following values are examples of what is already available. Please contact us for further information.</i> G3/4" or 2x G3/4"
<b>Operating temperature</b> + 5 [°C] to +70 [°C]	<b>Outlet port size for exhausted air</b> <i>The outlet port for the exhausted air is designed according to each type of machine. The following values are examples of what is already available. Please contact us for further information.</i> G3/4" or G1" or G1"1/4 or G1"1/2
<b>Operating pressure</b> 3 [bar] to 40 [bar]	<b>Weight</b> 3 [Kg]
<b>Nominal size</b> <i>All nominal sizes are designed according to each type of machine. The following values are examples of maximum values available. Please contact us for further information.</i> Exhaust: 32 [mm] Recovery: 2x16 [mm]	<b>Maximum air flow</b> <i>The maximum air flow is defined according to each type of machine. The following value is an example of the maximum value available. Please contact us for further information.</i> 3600 [Nm <sup>3</sup> /h]*

\* Typical air flow with 40 [bar] inlet pressure

## 4. Materials

All the materials of the valve which are in contact with the compressed air are intended for use in the food processing machinery. The seals in contact with the compressed air are FDA compliant. The lubrication (during the assembly) of internal parts is done with grease registered NSF class H1.

**Body:** anodized aluminum

**Piston:** anodized aluminum

**Piston seals:** FDA compliant synthetic material

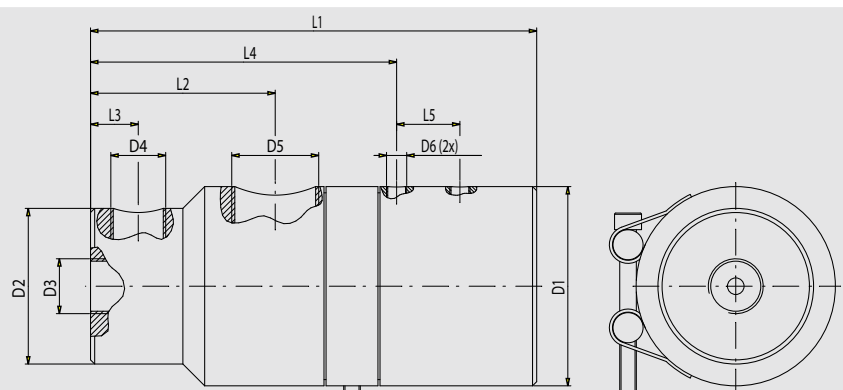
**Ring:** stainless steel

**Screw:** steel, zinc coated

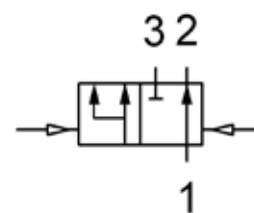
**O-rings:** NBR

## 6. Dimensions

D1	96 [mm]
D2	75 [mm]
D3	G3/4" or G1" or G1"1/4 or G1"1/2
D4	G3/4" or 2x G3/4"
D5	G3/4 or G1" or G1"1/4 or G1"1/2
D6	G1/8"
L1	215 [mm]
L2	89 [mm]
L3	23 [mm]
L4	147.5 [mm]
L5	30.5 [mm]



## 5. Pneumatic symbol



TECHNOPLAN ENGINEERING SA

16 chemin des Aulx - 1228 Plan-les-Ouates / Geneva - Switzerland