

Blowing Block BigBottle TFM

The Big Bottle Blowing Block is used for blowing PET bottles with a volume of up to 30 liters. Thanks to the large nominal diameter of the valve block, excellent performance is achieved during the blowing process.



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Function	P1, P2 and REC: 2/2-way NC with integrated check valve EXH: 2/2-way NO P1 flow control with digital indicator for accurate setting
Operating pressure	5 ... 40 bar
Pilot pressure	7.0 bar +0/-0.5 bar
Orifice diameter	Pre-blow P1: 15.0 mm Finish-blow P2: 21.0 mm Recuperation REC: 21.0 mm Exhaust EXH: 27.5 mm
Port sizes	Pilot air supply PP: G 1/8" female Pre-blow P1: G 1" female Finish-blow P2: G 1 1/4" female Recuperation REC: G 1" female Exhaust EXH: 2×G 1 1/4" female Cavity (Out): Ø 27.5 mm
Material	Block body: Aluminium coated Pistons: Plastic, FDA compliant Grease: FDA compliant
Mounting position	Any
Media	Compressed air according ISO 8573-1 - Particles: Quality 2 - Pressure dew point: Quality 4 - Oil content: Quality 2
Media temperature	+5 °C ... +40 °C
Ambient temperature	+10 °C ... +50 °C
Pilot valves	24V DC, 2.5 W, IP65 Without manual override

Performance data

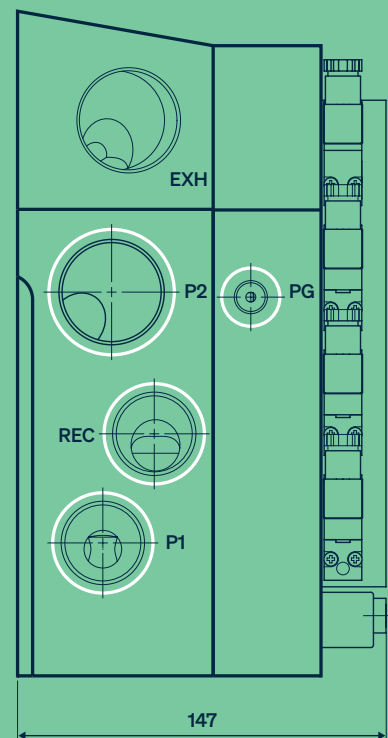
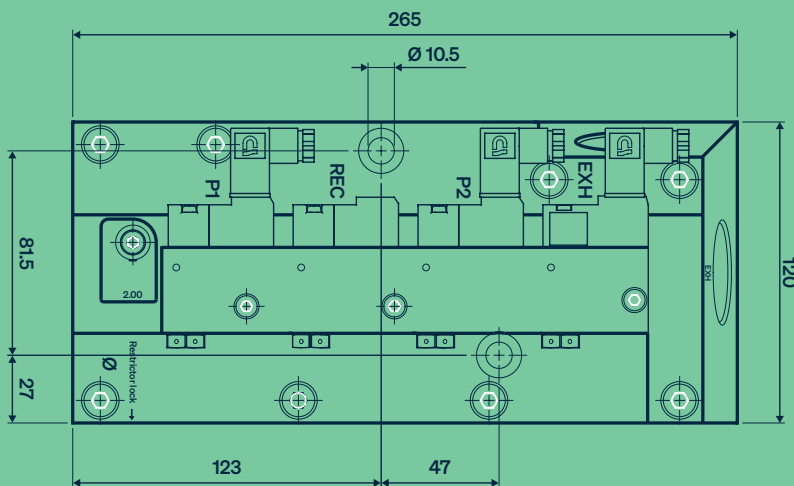
(measured with P1 flow control fully open)

Bottle size in litres	5	10	20	30
Pilot pressure PP in bar	6.5	6.5	6.5	6.5
Pre-blow pressure P1 in bar	10	10	10	10
Finish-blow pressure P2 in bar	36	36	36	36
Time in ms from P1 signal to pressure 1 bar (10 % of P1)	46	64	103	136
Time in ms from P1 signal to pressure 9 bar (90 % of P1)	310	529	1067	1702
Time in ms from P2 signal to pressure 12.4 bar (10 % of P2)	33	41	59	68
Time in ms from P2 signal to pressure 33.4 bar (90 % of P2)	137	232	451	681
Time in ms from EXH signal to pressure 32.4 bar (90 % of EXH)	56	62	78	72
Time in ms from EXH signal to pressure 3.6 bar (10 % of EXH)	220	366	679	961

Above data varies depending on piping, stability of air supply and silencer performance

Order information

Part no.	Denomination	Gross-Weight
257.913.00	Blowing Block BigBottle TFM	10.1 kg/pc (net weight 8.9 kg/pc)



Detailed dimensional drawings and 3D models are available on request, please contact us.

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Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specification given in this document.

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