2/2 way valve G 3/4" - with flow reducer integrated FR-200

1. 2/2 way valve G 3/4" - with flow reducer integrated FR-200

This 2/2 way valve with flow-reducer function integrated of simple and robust design can be used for a very large number of applications in the stretch blow molding field. Due to its high air flow capacity, this valve can easily be used, for example, as a discharge valve on Hot-Fill machines where the air flow discharged must be precisely controlled and individually adjusted on each cavity. The flow-reducer function allows a precise setting of the opening of the valve. This setting is easily made by hand.
The main benefits of this 2/2 way valve with flow-reducer integrated are its high air flow capacity, simple and robust design, high reliability and check-valve function also integrated in the valve. This avoids any downstream air (outlet 2) to go back if its pressure is higher than the upstream pressure (inlet 1) when the valve is opened.

2. Typical application

Amongst many other applications, this 2/2 way valve has specialy been designed for rotary and linear stretch blow molding machines with Hot-Fill process. This valve is, however, suitable for many other industrial applications requiring reliable 2/2 way valves with flow-reducer function, having a high air flow capacity and an extended lifetime.

3. Technical data

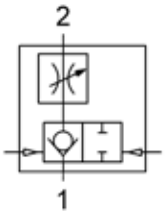
Medium Filtered compressed air	**Nominal size** 16 [mm]
Maximum inlet pressure 40 [bar]	**Inlet port size** G ¾"
Operating temperature + 5 [°C] to +70 [°C]	**Outlet port size** G ¾"
Operating pressure 3 [bar] to 40 [bar]	**Weight** 1.4 [Kg]
Maximum air flow 900 [Nm3/h]*	

* Typical air flow with 40 [bar] inlet pressure

4. Materials

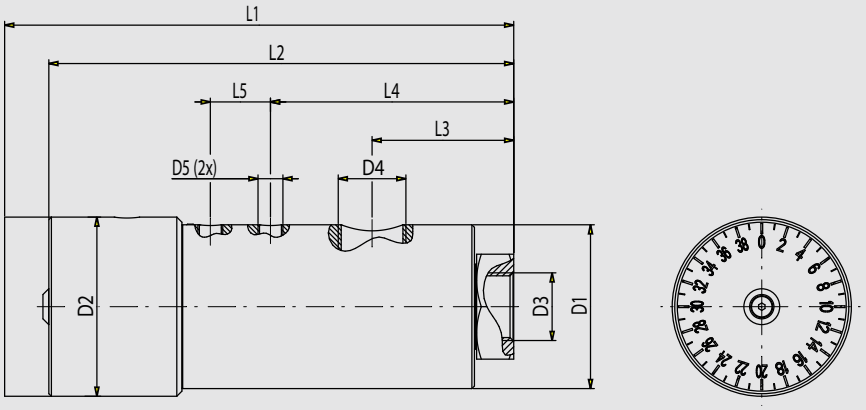
Body : anodized aluminum
Piston : anodized aluminum
Piston seals : FDA compliant synthetic material
O-rings : Turcon® and NBR
Retainer ring : tempered spring steel
Steel parts : tempered steel and stainless steel

5. Pneumatic symbol



6. Dimensions

D1	64 [mm]
D2	70 [mm]
D3	G3/4"
D4	G3/4"
D5	G1/8"
L1	188.4 [mm]
L2	181.7 [mm]
L3	55.4 [mm]
L4	95 [mm]
L5	23.5 [mm]



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