

# Smart Proportional AnT Valve



Find out more

The Smart AnT valve is a 1-way, normally closed valve with on/off and proportional closed-loop control. This valve is the perfect solution for dosing air with high precision and no time drift in automatic milk-mixing circuits or venturi systems with air inlet regulation.

The Smart AnT valve has a very low power consumption, up to 20 times lower than conventional solenoid valves, and silent operation, and can also be closed-loop controlled on the target fluid dynamics function through external pressure, flow or temperature sensors.

Each valve can be easily customised to meet the most stringent functional requirements of different applications, in terms of electronic and mechanical interface, fluidic performance and control electronics.



## MAIN APPLICATIONS

- Food & Beverage
- Industrial

## TECHNICAL INFORMATION

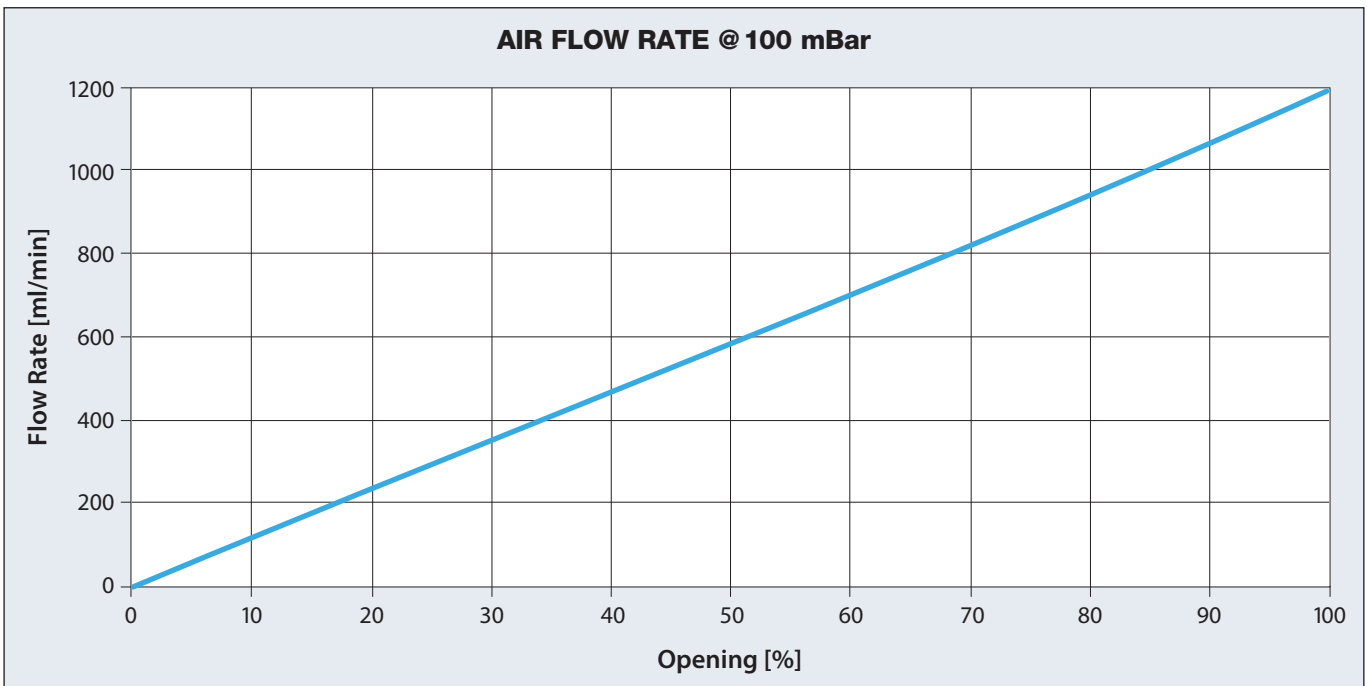
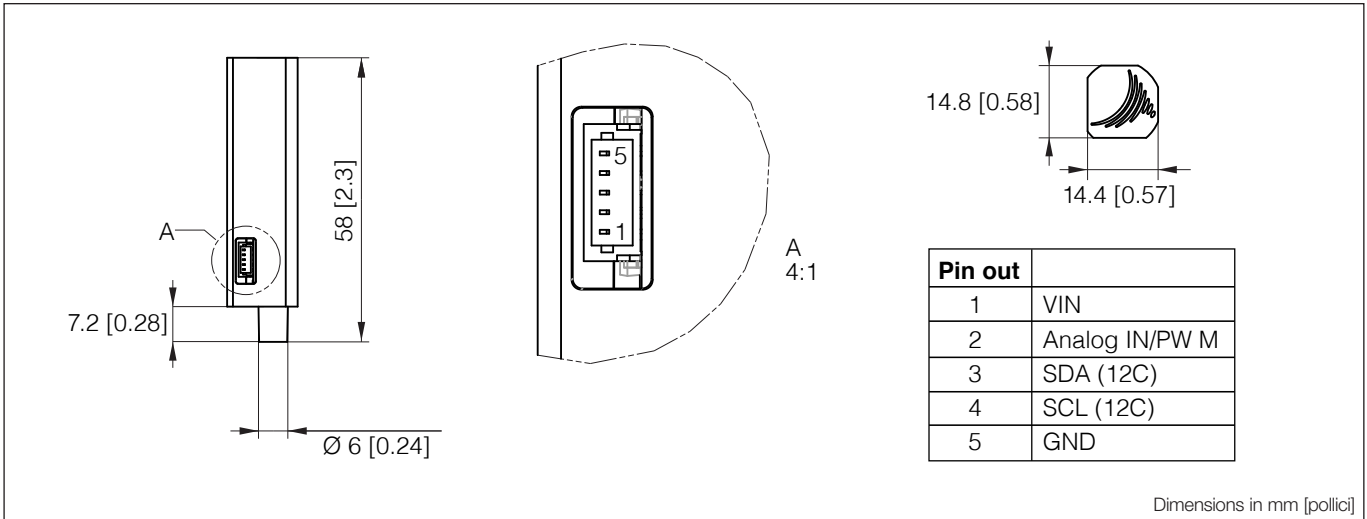
Direct valve NC 1/2
Closed loop proportional control
100% duty cycle and continuous duty
Air
Body materials: POM
Seal materials: EPDM

## FLUIDIC PERFORMANCE

$\Delta P$ min.	-0,3 bar
$\Delta P$ max.	0 bar
Kv	0 - 1200 l/m @100 mBar
Orifice diameter	1 mm
Assembling	Any direction
Fluid connections	Hose fitting
Operating temperature	-10 °C... +55 °C

### ELECTRONIC CHARACTERISTICS

Power supply	5 VDC
Steady-state power	< 1.00 W @ 5 VDC
Stand-by power	0.15 W @ 5 VDC
Actuation time	300 ms
Expected life	Milion cycles (depending on application)
Proportional control input	Analog/PWM/I 2C



Dolphin Fluidics reserves the right to after the specifications indicated in this catalogue at any time and without prior notice

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