

## DV3000001 Pinch tube valve



*dispensing  
solutions*

### Description

This constriction-hose valve is controlled pneumatically. The replaceable constriction hose, which is available with inner diameters of 1.8 mm + 2.5 mm, is the only component that comes into contact with the medium. Due to this valve's design, mixed two-component adhesives, abrasive and anaerobic media as well as cyanoacrylates can be dosed. The constriction hose can be easily replaced.

### Funktion

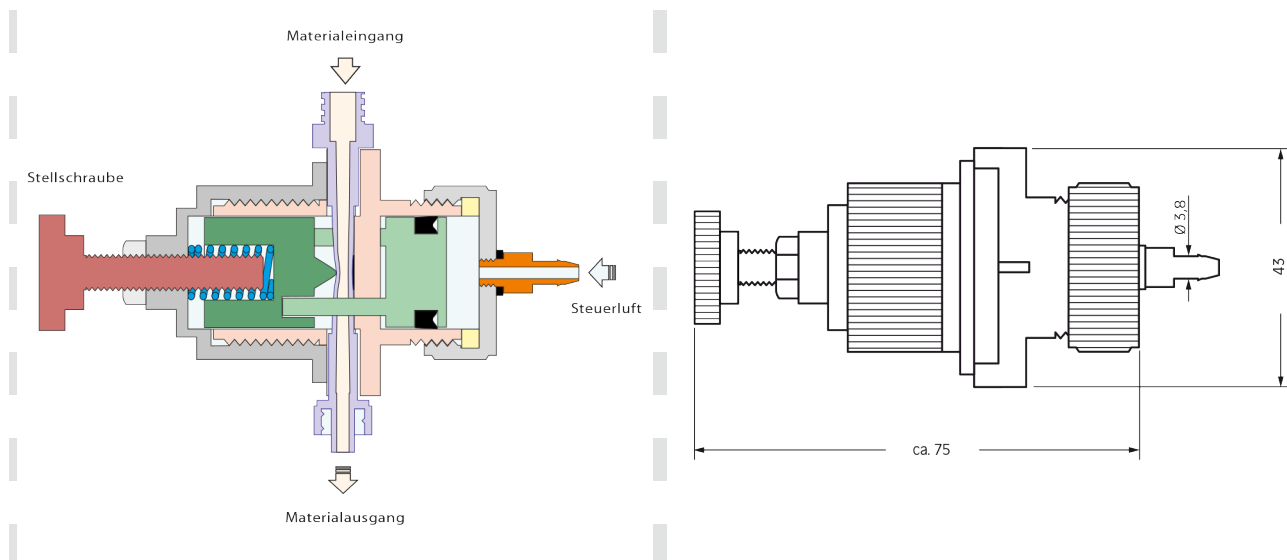
Due to the given spring tension, this valve is closed when at rest. The wedge that squeezes the constriction hose is pushed back by applying pneumatic pressure to the stop, which can be adjusted with an adjustment screw. By pushing back the cylinder on which the breech wedge is located, the fluid is released.

### Technical specifications

Length:	ca. 75 mm
Weight:	83 g
Material inlet:	Luer lock female
Material outlet:	Luer lock male
Max. material pressure:	4 bar
Compressed air inlet:	10-32 UNF
Min. operating pressure:	3.4 bar
Wetted parts:	Constriction hose made of PE
Min. dosage:	0.0075 ml
Flow rate:	1980 ml/min (with water at 4 bar)
Switching frequency	500 cycles/min
Material viscosity	max. 50,000 mPas

Subject to technical changes.

## Technical Drawings



## Scope of delivery

Article number	amount	Description	Lenght cm	ID mm
BG3000002	1	Dispensing tip assortment small, (15 different dispensing tips, 2 different syringe barrel end cap)		
BG3001135	3	Fluid line assembly transparent	2	1.8
BG3001136	2	Fluid line assembly transparent	2	2.5
BG3001142	3	Fluid line assembly transparent	60	2.5

## Optional accessories available:

Article number	Description	Lenght cm	ID mm
BG3001137	Fluid line assembly black	2	2.5
BG3001141	Fluid line assembly transparent	45	2.5
BG3001142	Fluid line assembly transparent	60	2.5
BG3001143	Fluid line assembly transparent	90	2.5
BG3001144	Fluid line assembly black	45	2.5
BG3001145	Fluid line assembly black	60	2.5
BG3001146	Fluid line assembly black	90	2.5
BG3001147	Fluid line assembly black	150	2.5
BG3000661	Closing piston		
BG3000663	Spring		
BG3000662	Squeeze cushion		