

# BTV-BT10-20

## VACUUM AND PRESSURE MANUAL GENERATORS



*Operative range:*

*BTV : - 0,8 ÷ 0 bar*

*BT 10 : 0 ÷ 15 bar (220 psi)*

*BT 20 : 0 ÷ 35 bar (500 psi)*



**GIUSSANI**

***Applications:***

*On site testing and calibration  
of manometers and pressure  
transducers, combined with  
standard reference instruments.*

# BTV-BT10-BT20

## VACUUM AND PRESSURE MANUAL GENERATORS



The BT series of manual pumps makes it possible to generate pressure or vacuum for the comparison and the calibration of manometers, pressure switches and pressure transducers with standard instruments. By means of a volume variation controller it is possible to adjust the signals generated very finely; a pin valve fitted on the body of the pump also controls the pressure values as they decrease. Of strong construction, it is suitable for use in the field.

The kit (order code - K) is complete with the case and a set of accessories for the field use.

### TECHNICAL CHARACTERISTICS

#### BTV

Body in anodized aluminium, inner parts in stainless steel and brass  
Buna N gaskets  
Maximum vacuum: -600 mmHg  
Fixed connection for plastic pipes 6x4 mm  
Sensitivity:  $\pm 0.5$  mm water column  
Pump piston on one side and fine controller on the other  
Quick coupling for vacuum gauge  
Discharge valve with fine controller  
Useful volume per pump stroke: 80 cm<sup>3</sup>  
Measurements: 230x100x60 mm  
Weight: 0,7 kg

#### BT10

Body in anodized aluminium, inner parts in stainless steel and brass  
Buna N gaskets  
Maximum pressure: 15 bar  
Fixed connection for plastic pipes 6x4 mm  
Sensitivity:  $\pm 0.5$  mm water column  
Pincer pressurisation system with volume controller  
Quick coupling for pressure gauge  
Discharge valve with fine controller  
Useful volume per pump stroke: 10 cm<sup>3</sup>  
Measurements: 250x100x85 mm  
Weight: 0,7 kg

#### BT20

Body in anodized aluminium, inner parts in stainless steel and brass  
Buna N gaskets  
Maximum pressure: 35 bar  
Fixed connection for plastic pipes 6x4 mm  
Sensitivity:  $\pm 0.5$  mm water column  
Pincer pressurisation system with volume controller  
Quick coupling for pressure gauge  
Discharge valve with fine controller  
Useful volume per pump stroke: 13 cm<sup>3</sup>  
Measurements: 270x130x100 mm  
Weight: 0,9 kg

### ORDER CODES

#### BTV

- Pump
- $\varnothing$  63 mm, 1% accuracy (-76 cmHg) vacuum gauge
- 6x4 mm polythene pipe

#### BTV-K

- BTV version with:
- Plastic case
  - Spare gasket kit
  - 1/8F, 1/8M, 1/4F, 1/4M straight fittings
  - 1/4F quick coupling
  - Quick coupling for 6x4 mm pipe
  - Teflon roll

#### BT10

- Pump
- $\varnothing$  63 mm, 1% accuracy (1,6 bar; 23 psi.) pressure gauge
- 6x4 mm polythene pipe

#### BT10-K

- BT10 version with:
- Plastic case
  - Spare gasket kit
  - 1/8F, 1/8M, 1/4F, 1/4M straight fittings
  - 1/4F quick coupling
  - Quick coupling for 6x4 mm pipe
  - Teflon roll

#### BT20-K

- Pump
- Plastic case
- $\varnothing$  63 mm, 1% accuracy (40 bar; 580 psi) pressure gauge
- High pressure pipe quick couplings
- Spare gasket kit
- 1/2F straight fitting
- 1/4F quick coupling
- 1/4M - 3/8F fitting
- Teflon roll



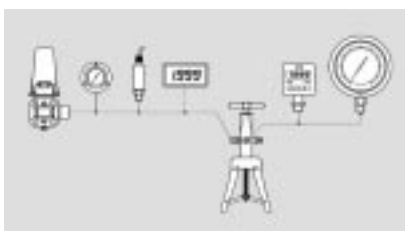
BTV



BT10



BT20



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ISO 9001  
CERT. N° 9115 GIU 1