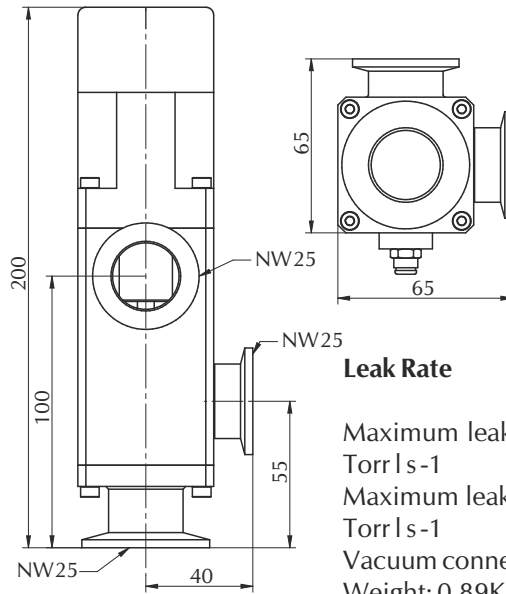


# COMBINATION VALVE

The CBV manufactured in aluminium alloy/SS304.

For pumping and venting of High Vacuum systems when an extremely low out gassing rate is important.

The valve is connected to vacuum system with NW25 fitting.



**ORDER CODE-FVT4201 CV\***

### Leak Rate

Maximum leak rate across seat:  $10^{-7}$  mbar l s<sup>-1</sup> /  $7.5 \times 10^{-8}$  Torr l s<sup>-1</sup>

Maximum leak rate across body:  $10^{-1}$  mbar l s<sup>-1</sup> /  $7.5 \times 10^{-2}$  Torr l s<sup>-1</sup>

Vacuum connection: NW25

Weight: 0.89Kg

### Technical data

Leak rate

Valve body :  $< 5 \cdot 10^{-10}$  mbar ls-1  
Valve seat :  $< 1 \cdot 10^{-9}$  mbar ls-1

Pressure range :  $5 \cdot 10^{-12}$  m.bar to 2 bar (abs)  
Differential pressure on the plate :  $\leq 1$ bar (g)

Temperature

Valve body :  $\leq 150$  °C  
Manual actuator :  $\leq 120$  °C (without hand wheel 150°C)  
Pneumatic actuator :  $\leq 150$  °C  
Solenoid valve, position indicator :  $\leq 80$  °C

Material

Valve body : Aluminum / AISI 304.  
Plate : AISI 304.  
Bellows : AISI 316L.

Seal

Bonnet : Viton  
Plate : Viton  
Feed through : Bellows  
Mounting position : Any  
Solenoid valve : As per Order.

Position indicator: contact rating

Voltage : 5- 50 V AC / DC

Current : 5- 100 mA



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