

RIGHT ANGLE VALVES

LOW COST
SMALL SIZES
STAINLESS STEEL
BELLOWS SEALED
VITON SEALS
MOUNTING IN ANY POSITION
BAKEABLE AT 150°C

The VACUO stainless steel right angle valves have been designed for best conductance and minimum size for easy installation in any attitude. Well suited for system requiring high reliability and low outgassing in ultra high vacuum applications, these valves are realized in stainless steel 304L with small cross section viton o-rings.



Standard features include welded bellows stem seals and UHV surface treatment to achieve very low outgassing. These lines of valves are manually operated and are Pneurop flanged DN16, DN25 and DN40. Other flanges are on request. The valves open against pressure of 2 bar both sides.

BODY MATERIAL

Stainless steel

MANUAL ACTUATOR

Self-locking hand wheel

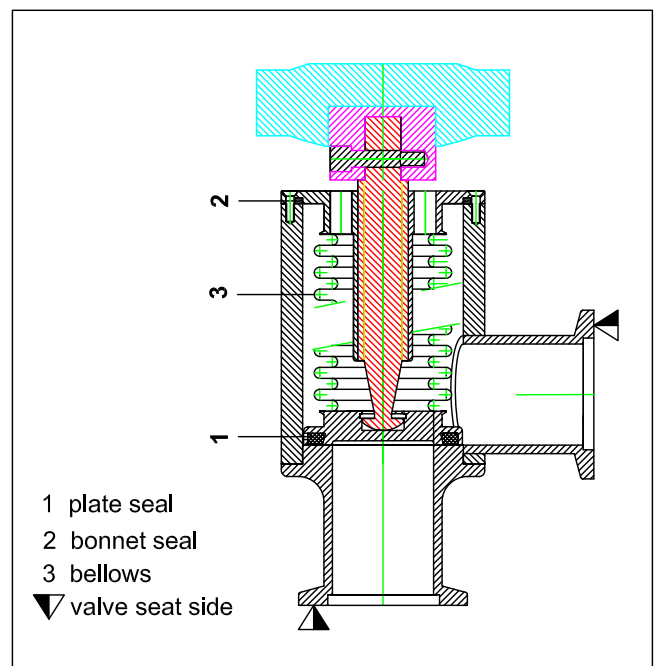
SEALING MATERIAL

Plate : VITON

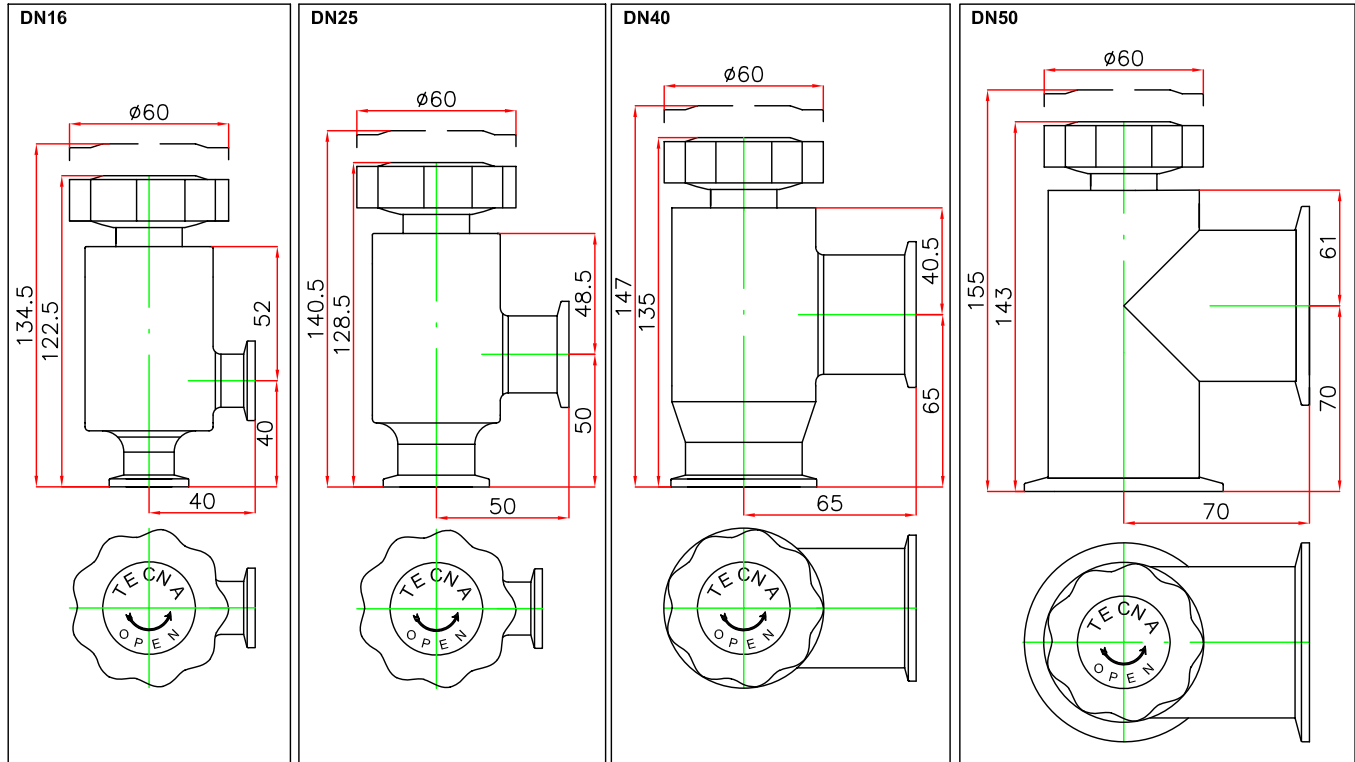
Bonnet : VITON

FEEDTHROUGH

Stainless steel



DIMENSIONS



TECHNICAL DATA

Leak rate:body,valve seat:	<1.10 ⁻⁹ mbar.l/s
Pressure range:	1.10 ⁻⁹ mbar to 4bar
Differential pressure at opening:	< 2 bar in either direction
Cycles until first service:	100 000
Max temperature:	< 150 °C
Material	
-Valve body	AISI 304L (1.4306)
-Plate	AISI 304L (1.4306)
-Bellows	AISI 316L (1.4404)
Seal:bonnet,plate	viton
Mounting position:	any

OPTIONS

Valve:	
-body with CF flanges	CF16,CF40
-other sealing materials	buna,kalrez,charged teflon

DN (nominal ID)	ISO-KF flanges	molecular flow conductance l/s	weight Kg	Ordering numbers
16	DN16	5	0.4	TV 021
25	DN25	14	0.7	TV 022
40	DN40	45	1.2	TV 023
50	DN50	70	1.5	TV 024