



CR and CRD All Metal Right Angled Valves

This range of valves are of right angled configuration, with a good conductance. The CR series comes with two body types, fully welded CR series or demountable CRD series.



Product Overview

- Fully bakeable up to 450°C
- Good conductance
- Leak rate less than 10^{-11} mbar ls⁻¹
- Pressure range from 10^{-12} mbar to 4 bar
- 10,000 cycles to first service
- Bellows actuation
- Copper pad sealing

Both the CR and CRD valves can be shut off to a torque level or by aligning the indicator marks on the body and the top nut. A separate operating handle is included with the valve. Rotatable flanges are used on both valve axis.

VACGEN All Metal Right Angle Valves provide 10,000 cycles between services. Only high grade 304L materials are used. Rigid mechanism provides a repeatable seal.

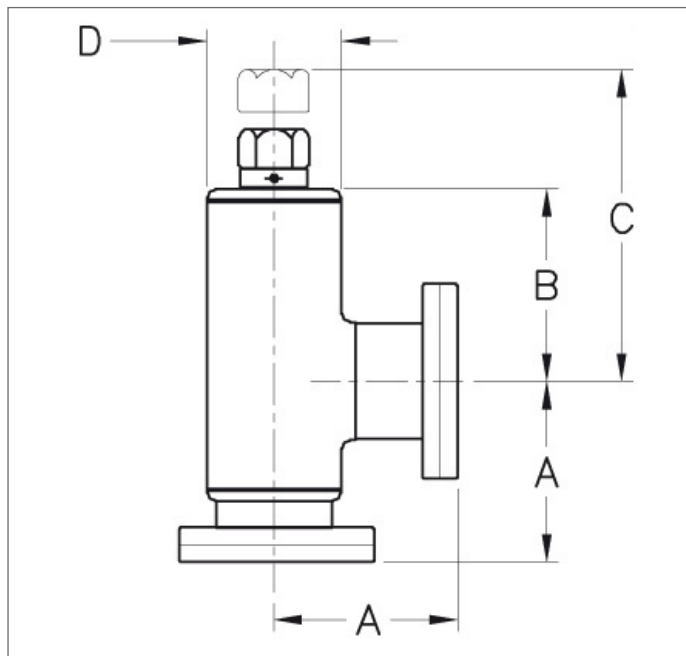
Closure Torques for All Metal Valves

Valve Order Code	Torque Nm
ZCRT7 Series	N/A
ZCR7 Series	0.7 to 1.1
ZCR20 and ZCRD20 Series	2.4 to 3.7
ZCR40 and ZCRD40 Series	7.7 to 12.1
ZCR60 and ZCRD60 Series	19.0 to 29.9
ZCSD32 Series	21 to 33

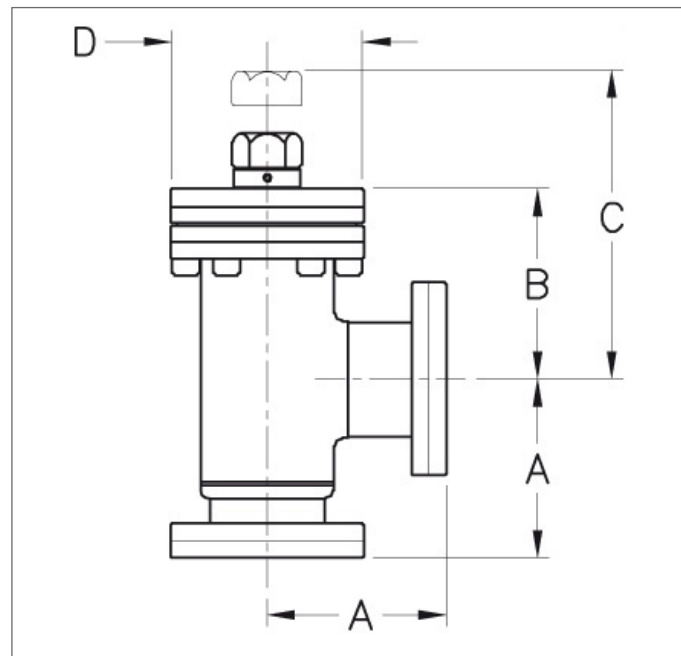
To convert torque to imperial units use 1Nm=142 oz inch or multiply by 0.7375 for ft lb



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CR Series



CRD Series

All Metal Right Angled Valves - CR and CRD Series

DN Type	Flange OD mm	Tube OD	Conductance litre/sec	Construction	A mm	B mm	C mm	D mm	Bakeout Temp °C Open	Bakeout Temp °C Closed	Order Code
DN19	Rotatable 34mm	19.1	5	Welded	38	59	86	22	450	300	ZCR20R
DN19	Rotatable 34mm	19.1	5	Demountable	38	59	86	34	450	300	ZCRD20R
DN40	Rotatable 70mm	41.3	34	Welded	63	69	109	49	450	300	ZCR40R
DN40	Rotatable 70mm	41.3	34	Demountable	63	69	109	70	450	300	ZCRD40R
DN63	Rotatable 114mm	63.6	100	Welded	105	106	156	76	450	300	ZCR60R
DN63	Rotatable 114mm	63.6	100	Demountable	105	106	156	114	450	300	ZCRD60R