

**High Quality Gate valves: 16CF ... 350CF
16KF ... 50KF
ISO63 ... ISO600**

Allectra offers a full range of gate valves for HV and UHV applications. They are available in a manual version and with pneumatic actuators. They are available with CF flanges for UHV and KF / ISO flanges for HV. Versions with ANSI and JIS flanges are available on request.

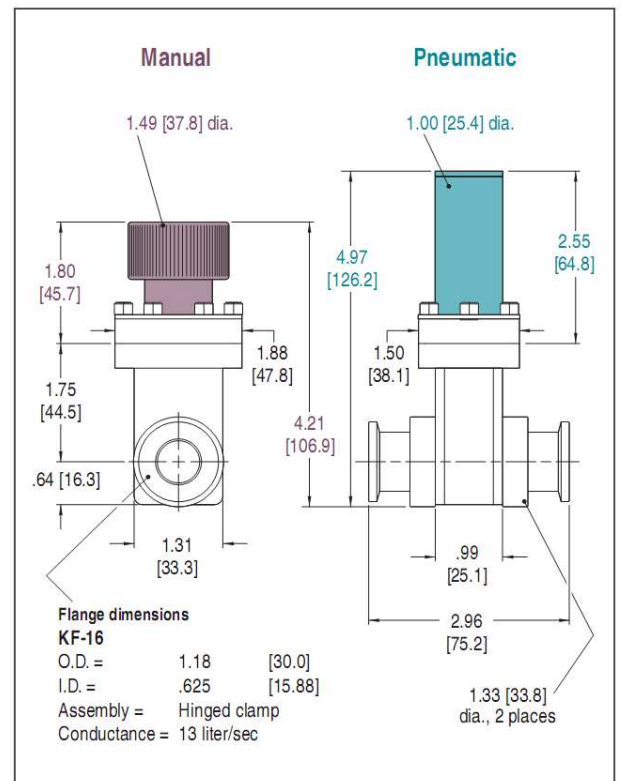
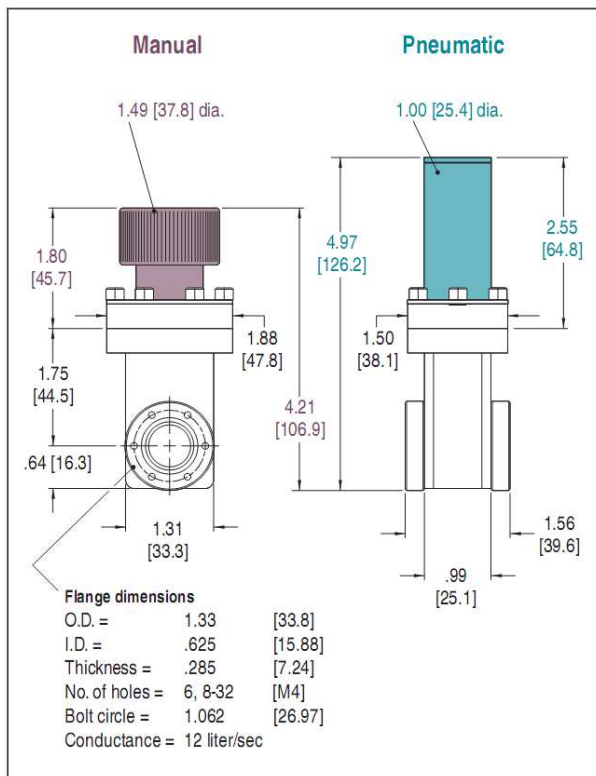
General Specifications

Housing material	Stainless Steel 1.4301 (SS 304)
Bellows material	Stainless Steel AM-350
Gate seal	Viton®
Bonnet seal	UHV: OFHC Cu / HV: Viton®
Helium Leak rate	< 2x 10 ⁻¹⁰ mbar l /s
Pressure range	HV: 10 ⁻⁹ mbar UHV 10 ⁻¹⁰ mbar
Differential pressure	1bar in either direction
Opening pressure	< 30 mbar
Bakeout (without solenoid)	HV: 150°C UHV: open 200°C, closed 150°C
Bakeout actuator	60°C (manual and pneumatic)
Cycles until first service	100.000 (application dependent)
Pneumatic	
Standard Solenoid	24V DC, 4W
Position indicator	28V DC, 20mA (REED Switch)
Actuator	Double action Option up to 75mm ø: Air open, spring close
Options	Roughing ports 1.000.000 cycles version other Solenoids other O-ring materials Micro switches

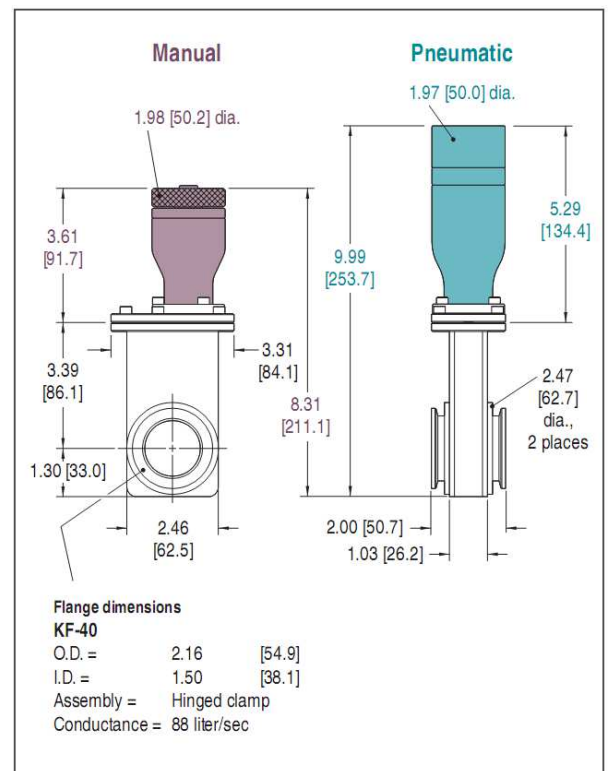
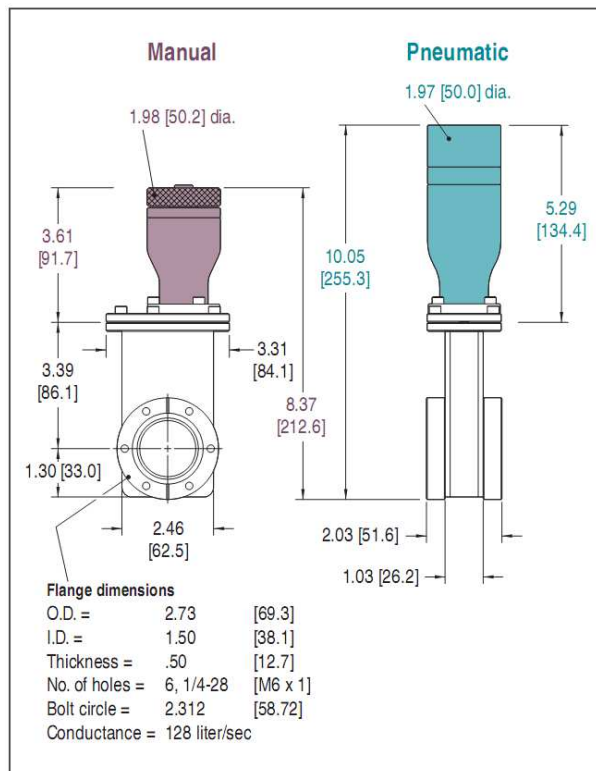


On the following pages, you will find the drawing for most common sizes up to DN200. Available are as well the rarely used sizes 50CF / 75CF / 125CF / 275CF and the larger sizes 250CF / 300CF / 350CF and the equivalent ISO-sizes. ISO-F Versions are available in addition in size 500 and 600. Please ask for drawings, if required.

Size 16 (16CF / 16KF)



Size 40 (40CF / 40KF)

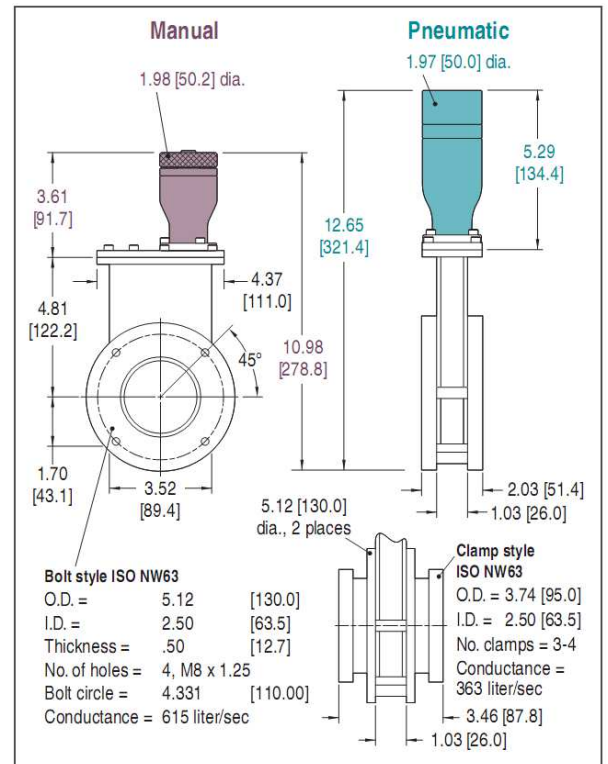
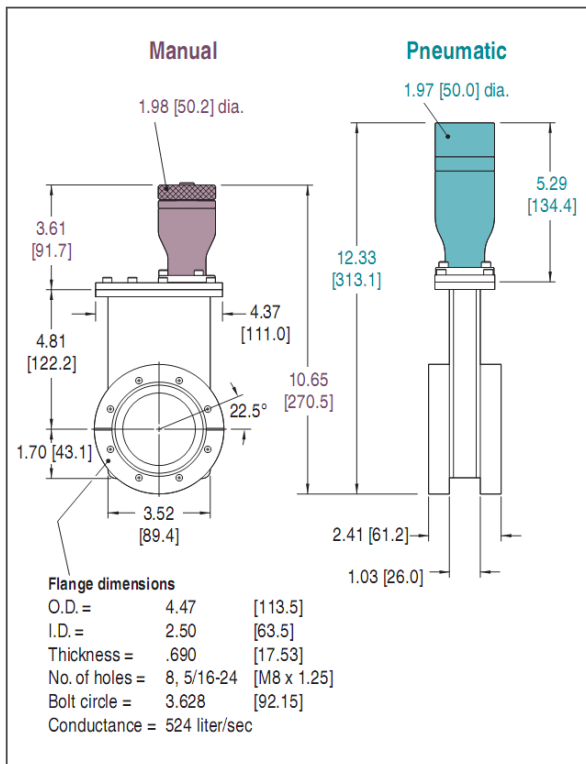


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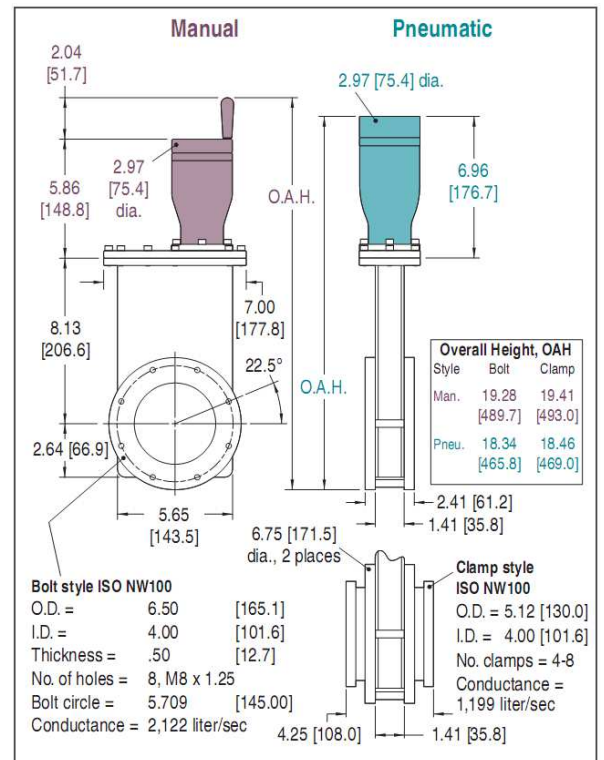
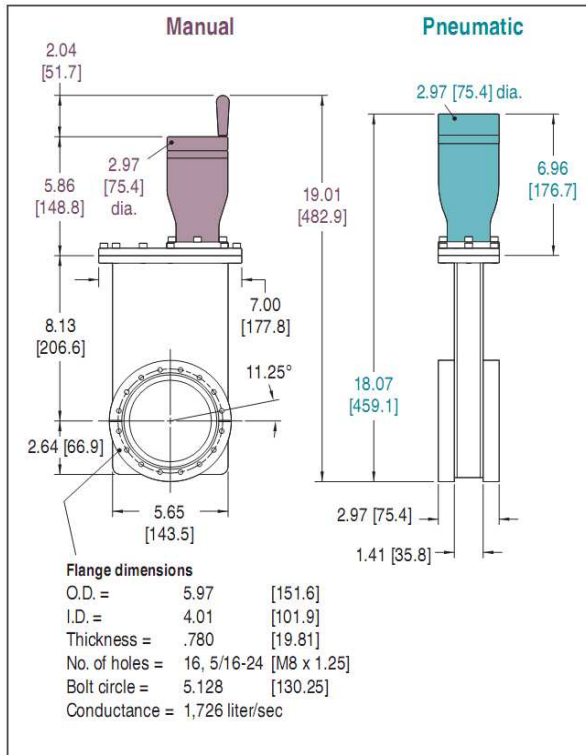
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Size 63 (63CF / ISO-F 63 / ISO-K 63)



Size 100 (100CF / ISO-F 100 / ISO-K 100)

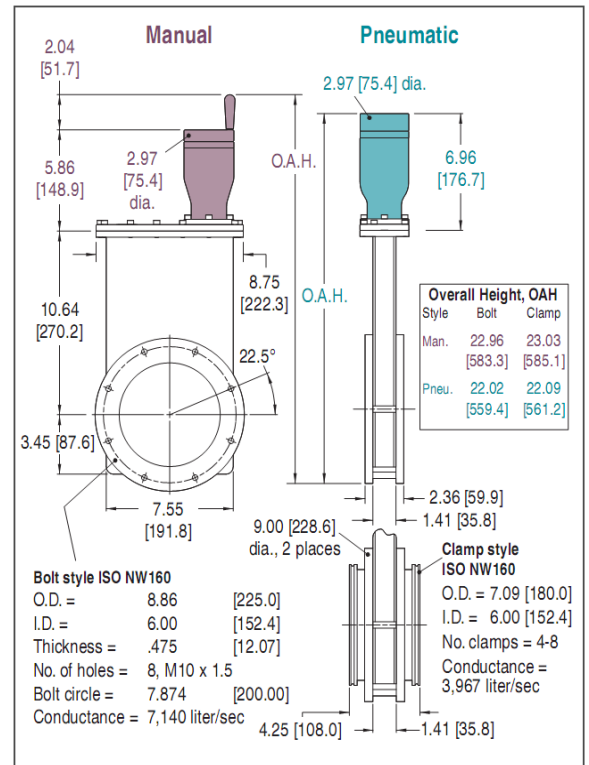
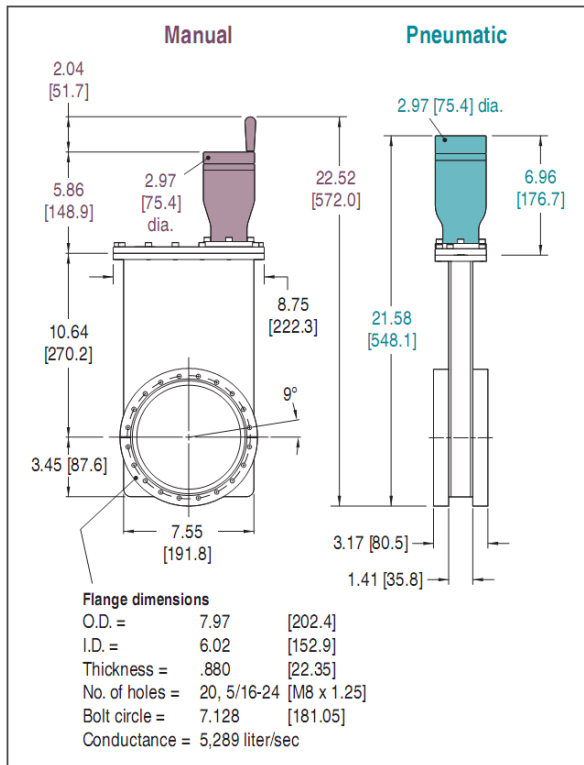


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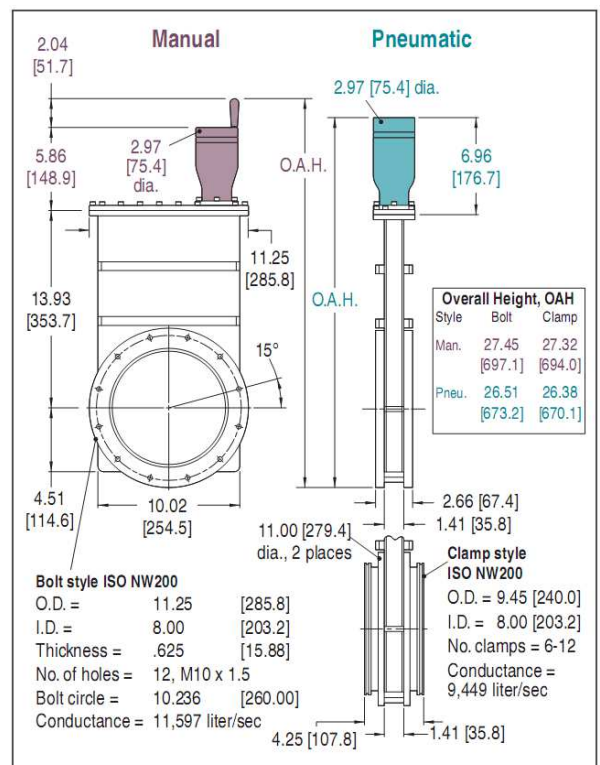
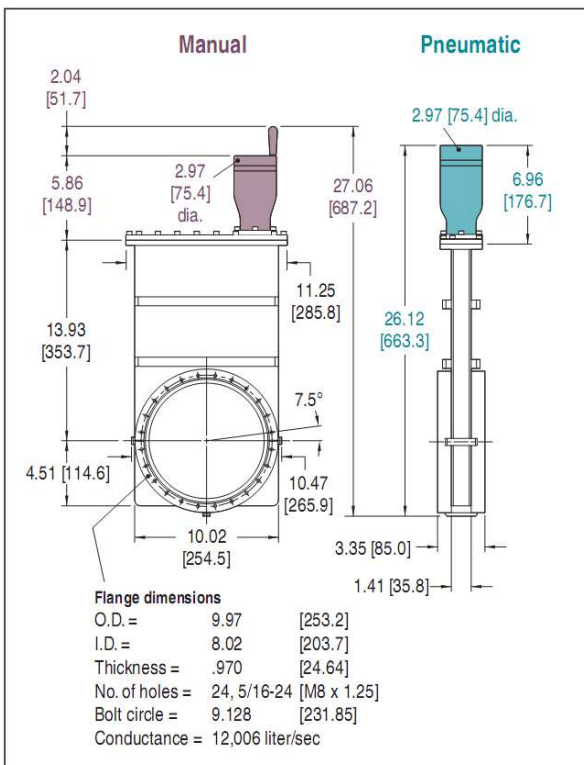
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Size 160 (160CF / ISO-F 160 / ISO-K 160)



Size 200 (200CF / ISO-F 200 / ISO-K 200)

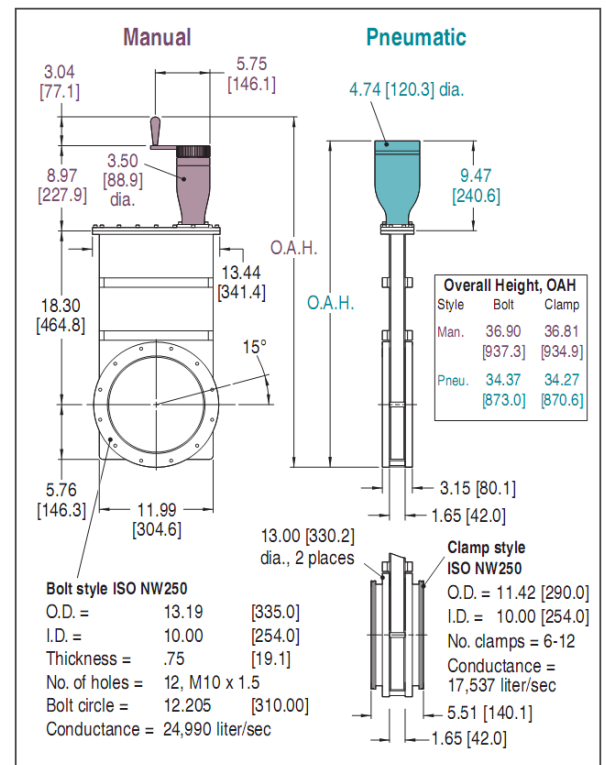
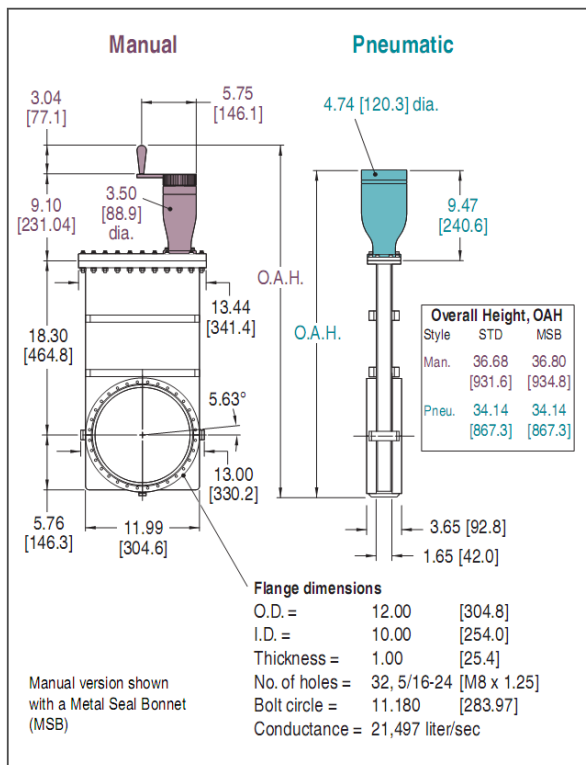


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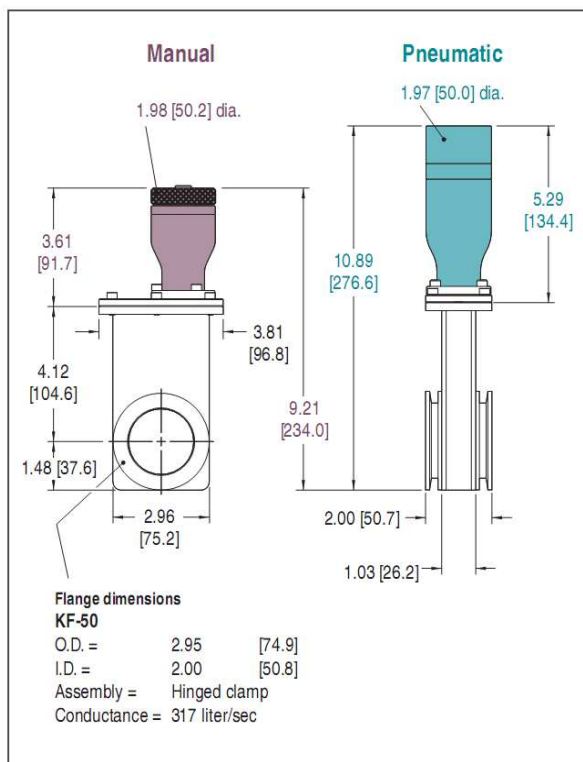
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Size 200 (200CF / ISO-F 200 / ISO-K 200)



Size 50 (KF50)



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