

**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.

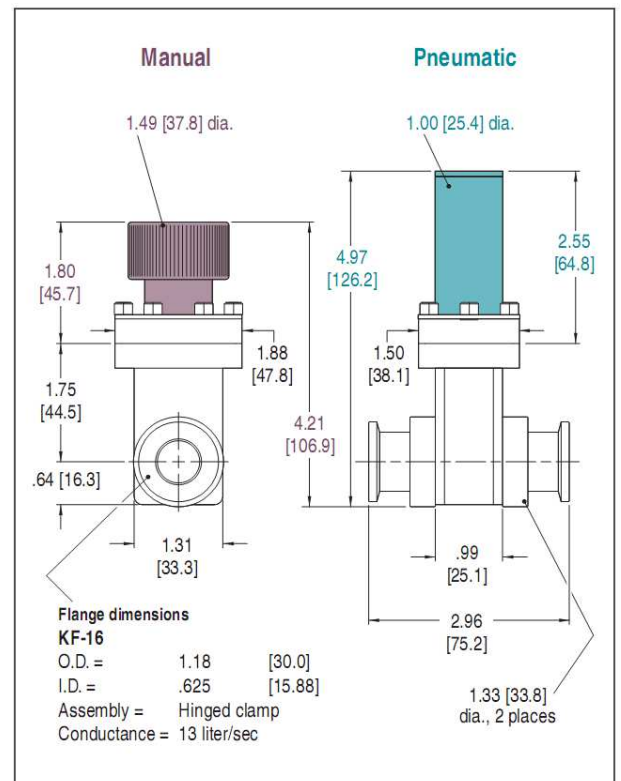
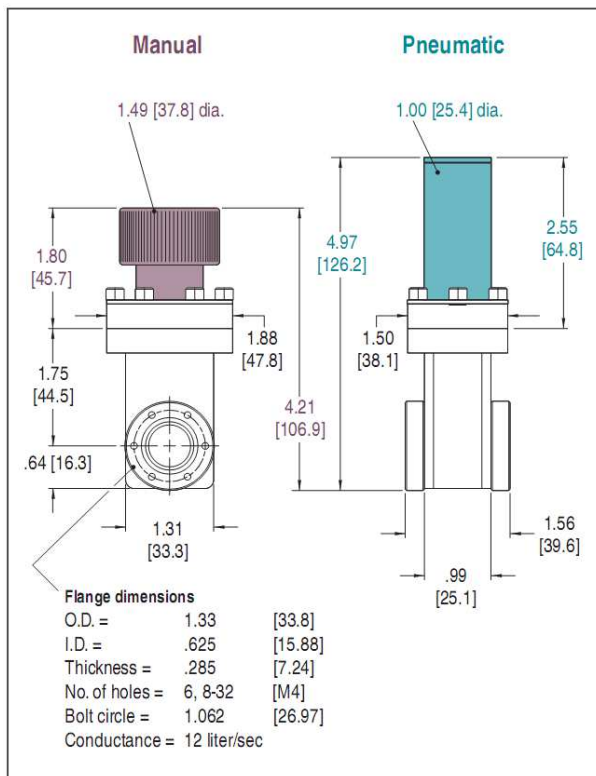
**General Specifications**

|                            |   |
|----------------------------|---|
| 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 <sup>-10</sup> mbar l /s  |
| Pressure range             | HV: 10 <sup>-9</sup> mbar<br>UHV 10 <sup>-10</sup> mbar   |
| Differential pressure      | 1 bar in either direction   |
| Opening pressure           | < 30 mbar   |
| Bakeout (without solenoid) | HV: 150°C<br>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<br>Option up to 75mm ø: Air open, spring close  |
| Options                    | Roughing ports<br>1.000.000 cycles version<br>other Solenoids<br>other O-ring materials<br>Micro switches |

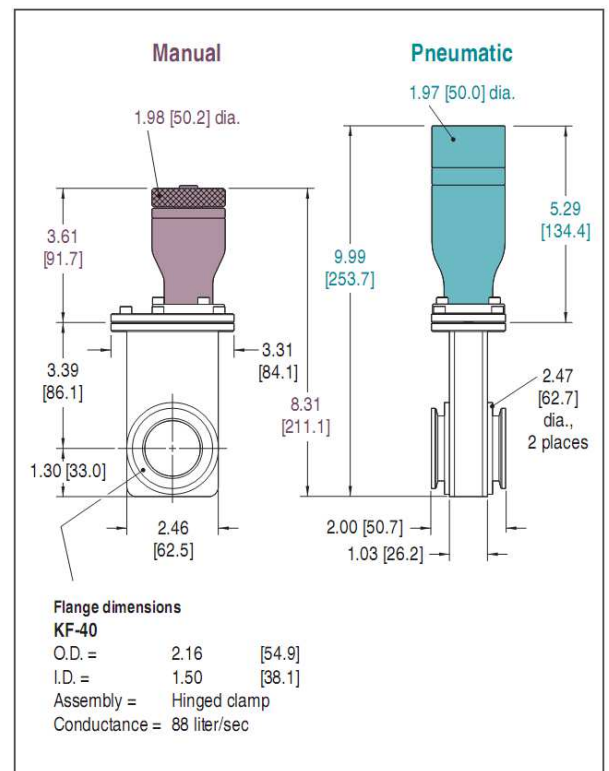
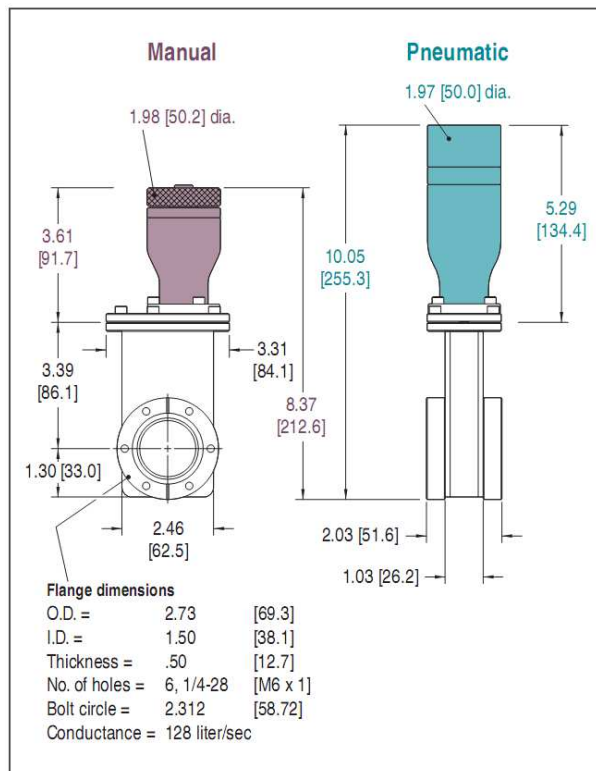


On the following pages, you will find the drawing for most common sizes up to DN200. Available are as well the rarely used sizes 50CF / 75CF / 125CF / 275CF and the larger sizes 250CF / 300CF / 350CF and the equivalent ISO-sizes. ISO-F Versions are available in addition in size 500 and 600. Please ask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

Size 16 (16CF / 16KF)



Size 40 (40CF / 40KF)

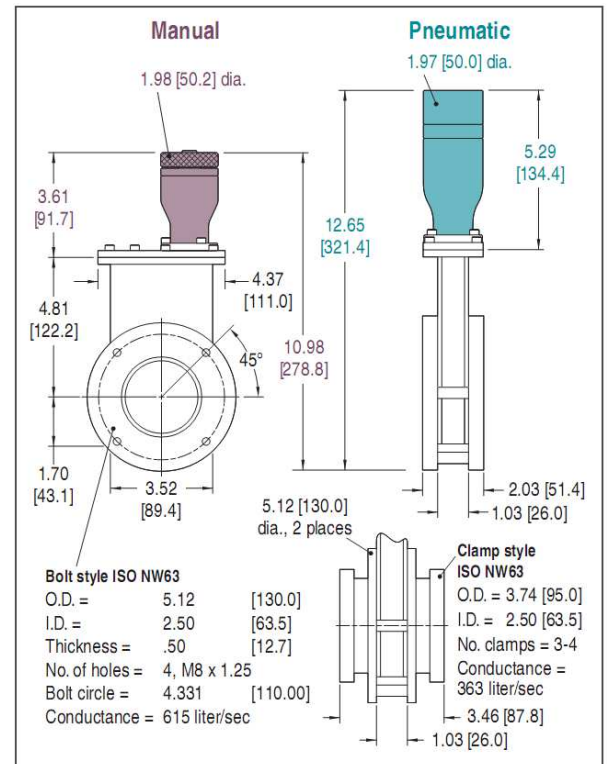
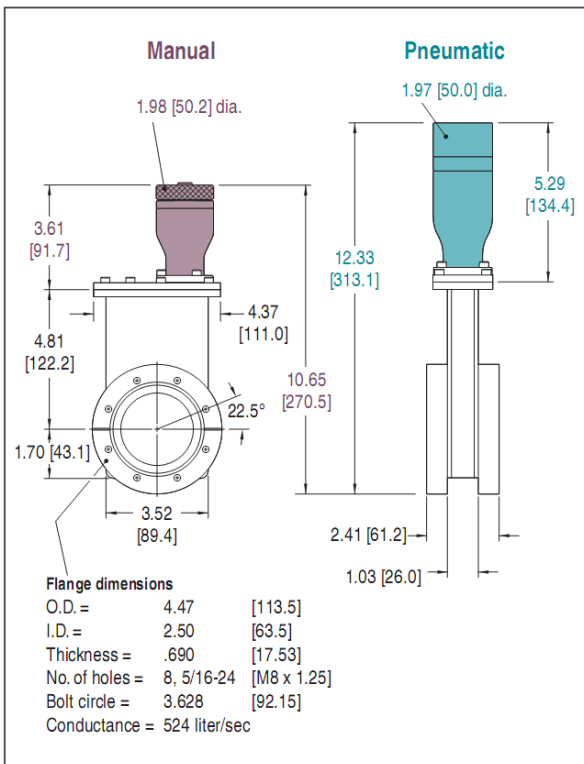


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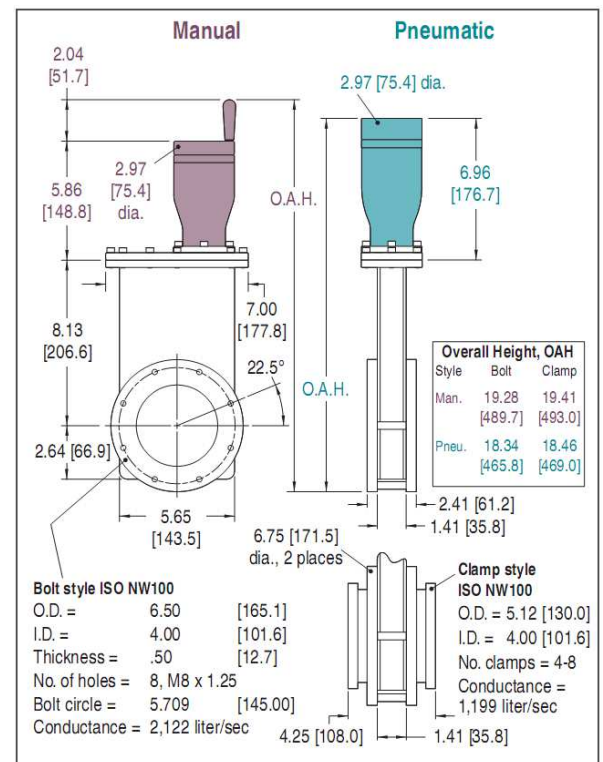
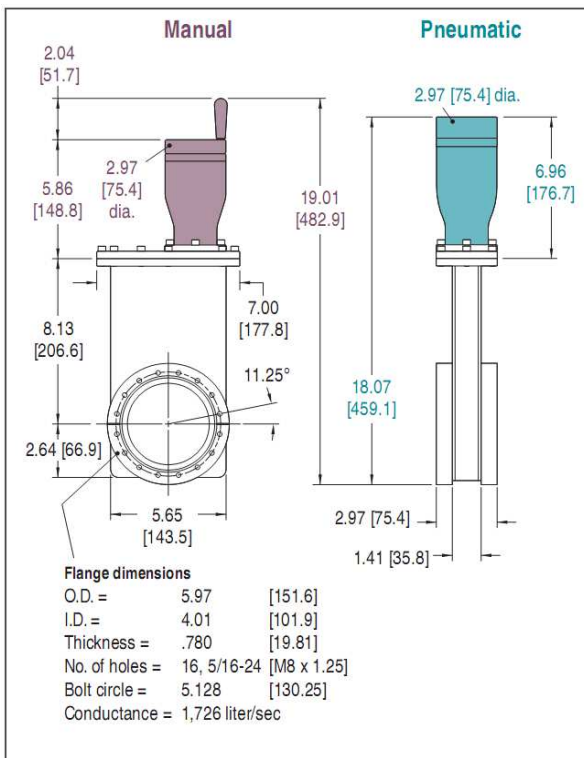
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Size 63 (63CF / ISO-F 63 / ISO-K 63)



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

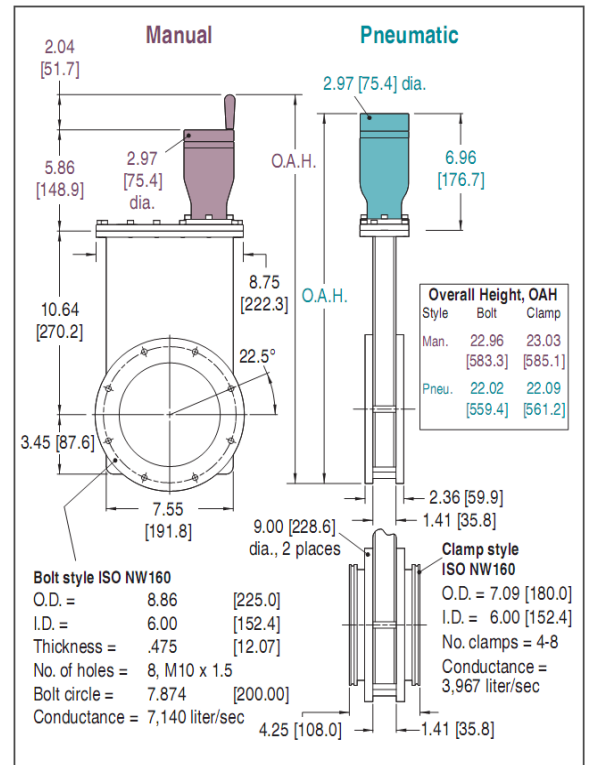
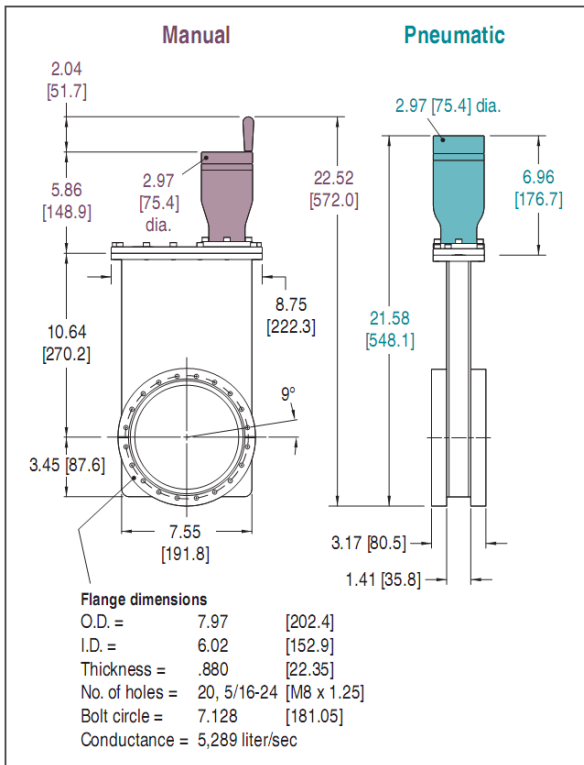


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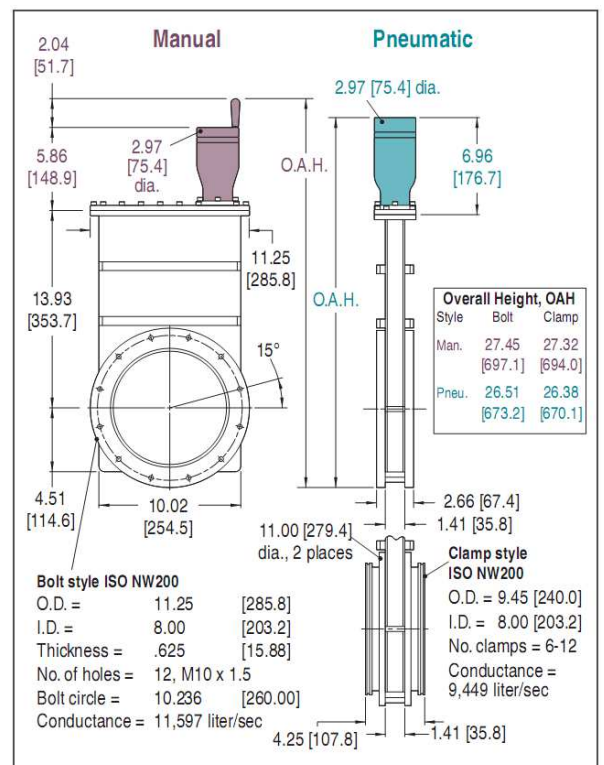
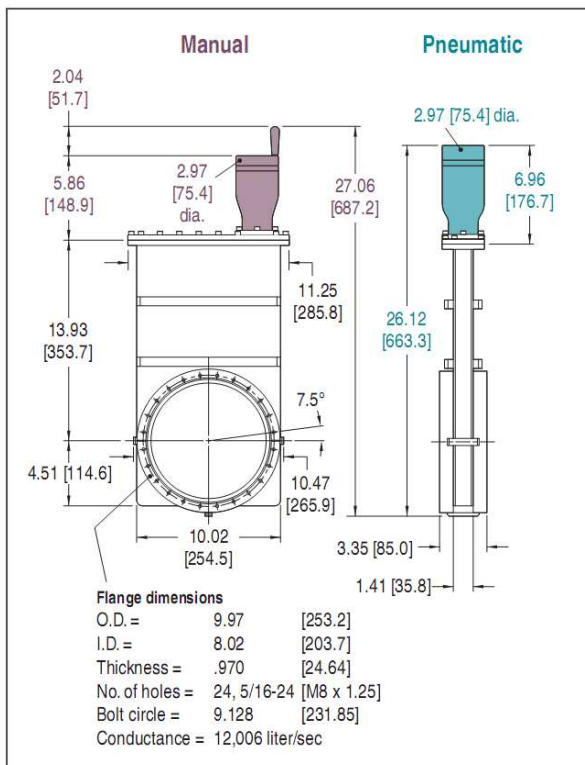
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Size 160 (160CF / ISO-F 160 / ISO-K 160)



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



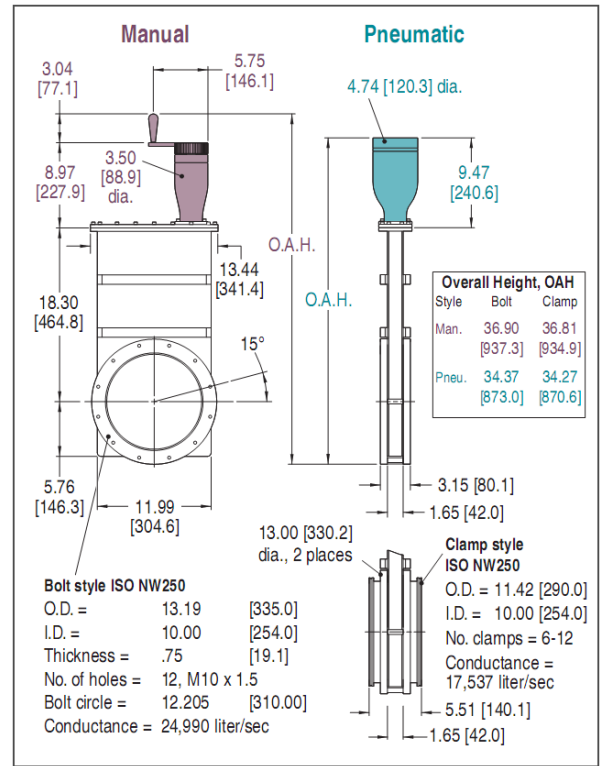
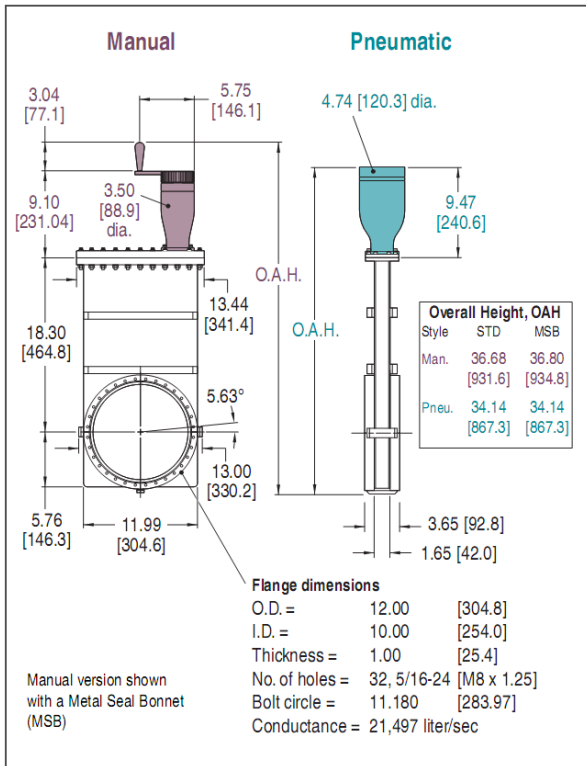
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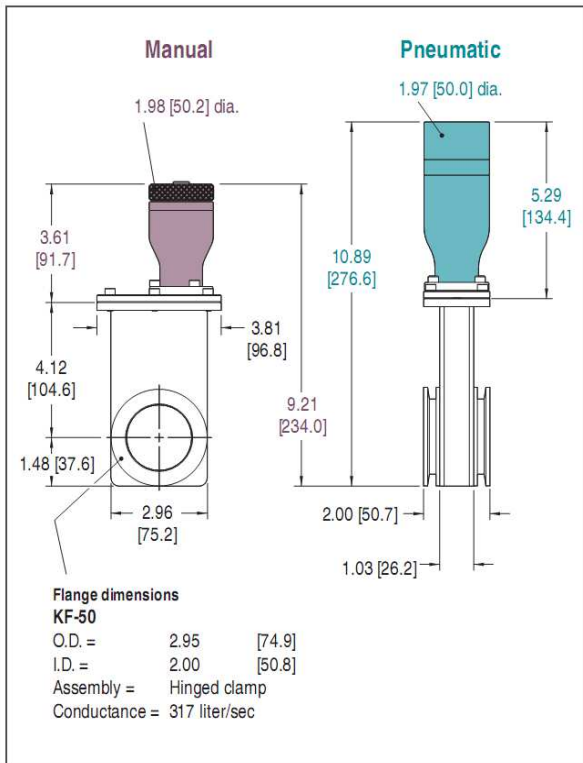
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Size 200 (200CF / ISO-F 200 / ISO-K 200)



Size 50 (KF50)



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