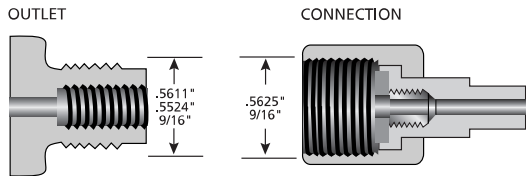


# Introduction

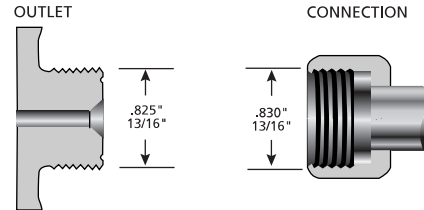
## Cylinder Information

### Cylinder Connections Drawings\*

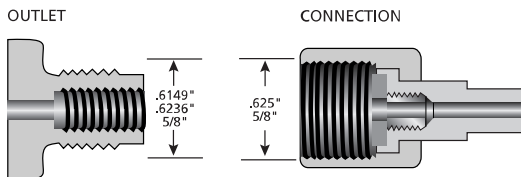
All drawings are arranged in numerical order according to the valve connection number. The accurate diameter of the valve outlet is given below each drawing along with the thread designation. For ease of measurement and identification, approximate fractional dimensions may be found on each drawing. The left handed portion of each drawing marked "OUTLET" represents the cylinder valve, while the right hand portion marked "CONNECTION" represents the mating connection normally found in regulators, control valves, and manifolds.



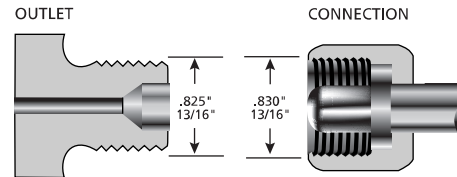
**CONNECTION 170**  
LECTURE BOTTLE OUTLET – NON-CORROSIVE GASES  
.5625"-18 RH EXT. and .3125"-32 RH INT. using a Flat Seat with Washer



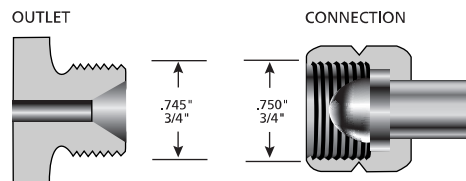
**CONNECTION 320**  
.825"-14 RH EXT. using a Flat Seat with Washer



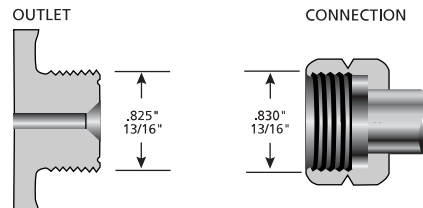
**CONNECTION 180**  
LECTURE BOTTLE OUTLET – ALL GASES CORROSIVE GASES & NON-CORROSIVE GASES  
.625"-18 RH EXT. and .3125"-32 RH INT. using a Flat Seat with Washer or O-Ring



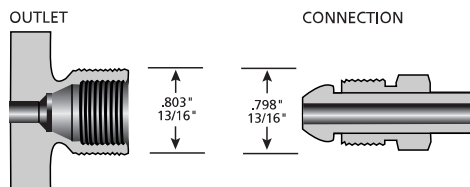
**CONNECTION 326**  
.825"-14 RH EXT. accepting a Round Shaped Nipple



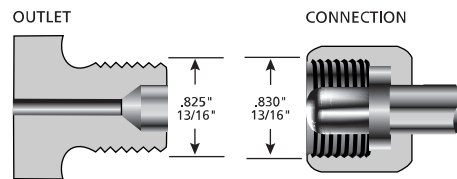
**CONNECTION 290**  
.745"-14 LH EXT. accepting a Bullet Shaped Nipple



**CONNECTION 330**  
.825"-14 LH EXT. using a Flat Seat with Washer



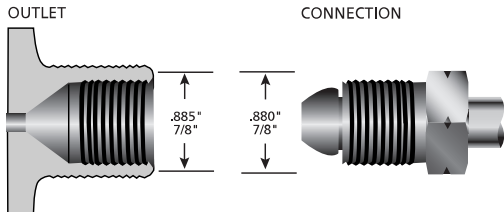
**CONNECTION 296**  
LECTURE BOTTLE OUTLET – NON-CORROSIVE GASES  
.803"-14 RH INT. accepting a Bullet Shaped Nipple



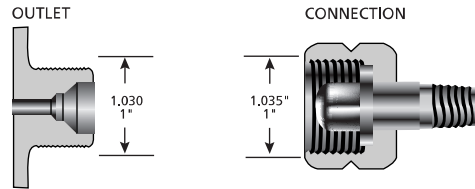
**CONNECTION 350**  
.825"-14 LH EXT. accepting a Round Shaped Nipple

\* For a comprehensive listing of all approved Compressed Gas Association (CGA) outlets, please see CGA V-1-2003, "Standard for Compressed Gas Cylinder Valve Outlet and Inlet Connections"

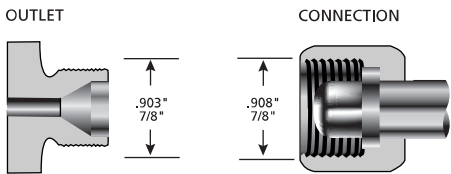
## Cylinder Connections Drawings (continued)



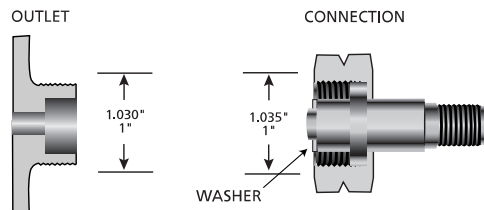
**CONNECTION 510**  
 .885" -14 LH INT. accepting a Bullet Shaped Nipple



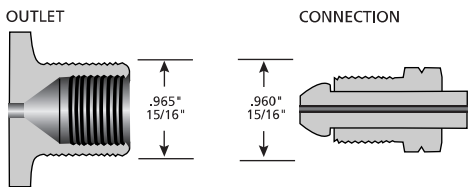
**CONNECTION 677**  
 1.030" -14 LH EXT. accepting a Round Shaped Nipple



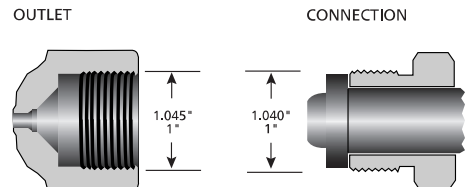
**CONNECTION 540**  
 .903" -14 RH EXT. accepting a Round Shaped Nipple



**CONNECTION 678**  
 1.030" -14 LH EXT. using a Flat Seat with Washer

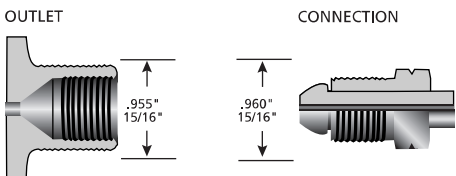


**CONNECTION 580**  
 .965" -14 RH INT. accepting a Bullet Shaped Nipple

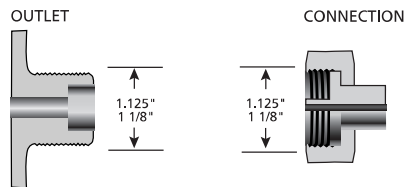


**CONNECTION 680**  
 1.045" -14 RH INT. accepting a Radiused Shaped Nipple

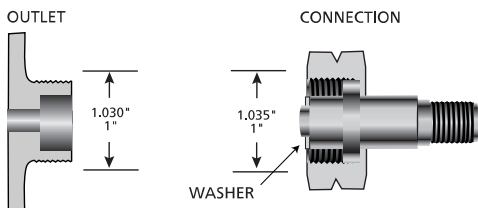
**CONNECTION 695**  
 1.045" -14 LH INT. accepting a Radiused Shaped Nipple



**CONNECTION 590**  
 .965" -14 LH INT. accepting a Bullet Shaped Nipple



**CONNECTION 705**  
 1.125" -14 RH EXT. using a Flat Seat with Washer



**CONNECTION 660**  
 1.030" -14 RH EXT. using a Flat Seat with Washer