

### Technical Data

#### Materials of Construction

Wetted

Nuts 316 Stainless Steel

Nipples 316L Stainless Steel

Outlet Adapters 316L Stainless Steel

Cylinder Valve Outlet Caps 316L Stainless Steel

Gaskets Nickel Standard\*

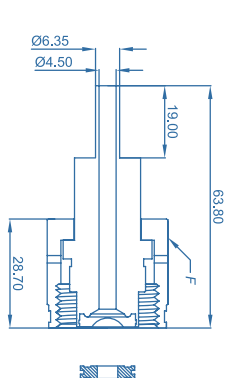
\* Contact factory for other materials available.

The product is fabricated in compliance with the VS001A process specification.

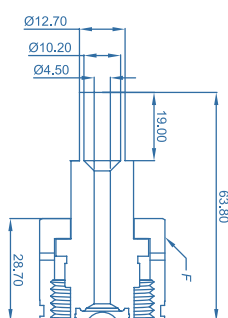


### Nut, Nipple and Nickel Gasket Assembly

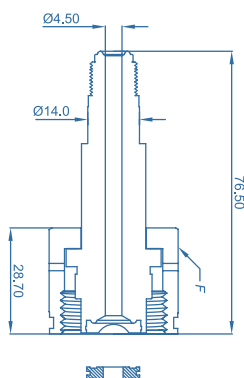
| CGA/DISS Number | End Connection | F<br>Hex Flat<br>in. |
|-----------------|----------------|----------------------|
| 632 ~ 642       | 1/4" Tube Weld | 1-1/4                |
|                 | 1/2" Tube Weld |                      |
|                 | 1/4" VFS Male  |                      |
|                 | 1/4" NPT Male  |                      |
| 712 ~ 728       | 1/4" Tube Weld | 1-3/8"               |
|                 | 1/2" Tube Weld |                      |
|                 | 1/4" VFS Male  |                      |
|                 | 1/4" NPT Male  |                      |



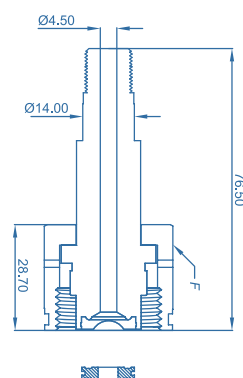
1/4" Tube Weld



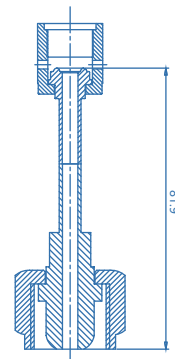
1/2" Tube Weld



1/4" VFS Male



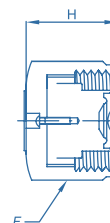
1/4" NPT Male



Cylinder Connections to  
1/4" VFS Female

### CAPS

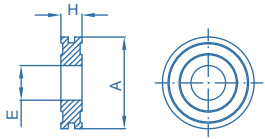
| CGA/DISS Number | Ordering Number | Material      | F<br>Hex Flat<br>in. | H<br>Length<br>in. | Gas<br>Tight |
|-----------------|-----------------|---------------|----------------------|--------------------|--------------|
| 632 ~ 642       | VUC-DISS-C-63   | Nickel / PTFE | 1-1/4                | 0.98               | Yes          |
| 712 ~ 728       | VUC-DISS-C-71   |               | 1-3/8                |                    |              |



### GASKETS

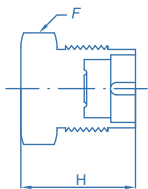
| Material | Ordering Number | A    | H     | E    |
|----------|-----------------|------|-------|------|
| Nickle   | VUC-DISS-G-NI   | 0.56 | 0.105 | 0.21 |
| PCTFE    | VUC-DISS-G-PC   |      | 0.125 |      |

\* Hardness Max. 105 Vickers.

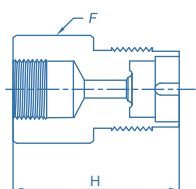


### Plugs and Adapters

| CGA/DISS Number | Ordering Number  | End Connection  | H Overall Length | F Hex Flat in. |
|-----------------|------------------|-----------------|------------------|----------------|
| 632 ~ 642       | VUC-DISS-BP-63   | Plug            | 1.53             | 1-1/8          |
|                 | VUC-DISS-A-F4-63 | 1/4" NPT Female | 1.85             | 1-1/8          |
| 712 ~ 718       | VUC-DISS-BP-71   | Plug            | 1.53             | 1-1/4          |
|                 | VUC-DISS-A-F4-71 | 1/4" NPT Female | 1.85             | 1-1/4          |
| 720 ~ 728       | VUC-DISS-BP-72   | Plug            | 1.53             | 1-1/4          |
|                 | VUC-DISS-A-F4-72 | 1/4" NPT Female | 1.85             | 1-1/4          |



Plug



Adaptor

### Ordering Information

**VUC-DISS- NNG - CGA632 - TW4 - Ni**

#### Parts Code

N: nut  
P: plug  
NNG: nut + nipple, gasket  
NNGP: nut + nipple, gasket, plug

#### CGA Number

CGA632 CGA642 CGA720  
CGA634 CGA712 CGA722  
CGA636 CGA714 CGA724  
CGA638 CGA716 CGA726  
CGA640 CGA718 CGA728

#### Gasket Material

Ni: Nickle  
PC: PCTFE

#### End Connection

MV4: 1/4" VFS male  
TW4: 1/4" tube weld  
TW8: 1/2" tube weld  
FV4: 1/4" VFS Female  
M4: 1/4" NPT male

\* Other connection standard, consult factory

