

Cylinder Valve Fitting Specifications

Brass, Brass Chrome, Stainless Steel, Monel®

All cylinder valve outlets and connections are designed and constructed to conform to the specifications established by the Compressed Gas Association (CGA).

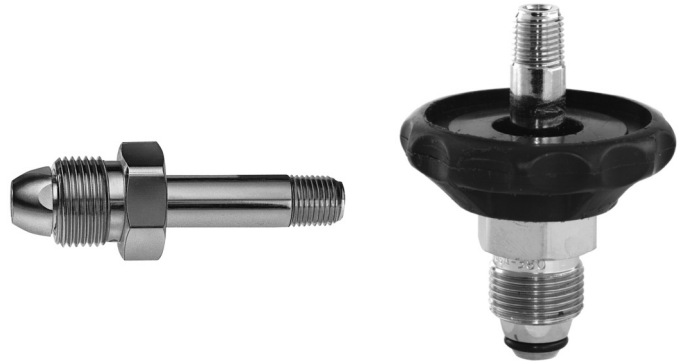
The CGA connection standard numbers are followed by a multipart, sequentially listed descriptive code. This code generally includes:

- outside diameter of valve threads
- threads per inch and thread size
- left-hand or right-hand thread
- external or internal threads

CGA valve connections for converting cylinder valve outlets to MNPT 1/4" (CGA 110, 160, 170, and 180 are 1/8" MNPT) are available in brass, stainless steel, and Monel.

Fitting Specifications

MISCELLANEOUS EQUIPMENT



Ordering Information

| Product | Product Number |
|--|------------------|
| Brass CGA Nipples | |
| Chrome Plated Brass Nipple with Check Valve | Y99-(CGA)C13CV |
| Hand Tight Nipple | Y99-(CGA)HTGC |
| Brass CGA Nut | |
| Chrome Plated Brass Nut | Y99-(CGA)C14 |
| Hand Tight Nut | Y99-(CGA)HTNC |
| Brass CGA Kits includes Nipple, Nut and Washer if applicable | |
| Chrome Plated Brass CGA Kit | Y99-(CGA)C13K |
| Chrome Plated Brass W/Check Valve CGA Kit | Y99-(CGA)C13CVK |
| Stainless Steel CGA Nipples | |
| Stainless Steel Nipple | Y99-(CGA)C43 |
| Stainless Steel Nipple with Check Valve | Y99-(CGA)C43CV |
| Stainless Steel CGA Kits includes Nipple, Nut and Washer if applicable | |
| Stainless Steel CGA Kit | Y99-(CGA)C43K |
| Stainless Steel W/Check Valve CGA Kit | Y99-(CGA)C43CVK |
| Stainless Steel CGA Nuts | |
| Stainless Steel Nut | Y99-(CGA)C44 |
| Monel CGA Nipples | |
| Monel Nipple | Y99-(CGA)C33 |
| Monel Nipple with Check Valve | Y99-(CGA)C33CV |
| Monel CGA Nuts | |
| Monel Nut | Y99-(CGA)C34 |
| Monel CGA Kits includes Nipple, Nut and Washer if applicable | |
| Monel CGA Kit | Y99-(CGA)C33K |
| DISS Connections | |
| DISS connections | Y99-DISS(###)VCR |

Cont.

Ordering Information

| Product | Product Number |
|----------------------|-----------------------------------|
| CGA and DISS Washers | |
| DISS Nickel Washer | Y99-DISSW4 |
| PTFE Washer | Y99-(CGA)W5, Y99-705W for CGA 705 |
| Fiber Washer | Y99-(CGA)W6 |
| Lead Washer | Y99-(CGA)W7 |
| Copper Washer | Y99-(CGA)W8 |
| PCTFE Washer | Y99-(CGA)W9 |
| Yoke Washer | Y99-YOKEWASHER |
| DISS Aluminum Washer | Y99-DISSWA |
| Hand Tight Washer | Y99-(CGA)HTOR |

CGA - Yoke Fittings

Brass/Nickel Plated

Ordering Information

| CGA | Common Service | Yoke |
|-----|-----------------------------------|------------|
| 870 | Medical Oxygen 3,000 psig | Y99-870C15 |
| 890 | Medical Oxygen Mixes 3,000 psig | Y99-890C15 |
| 930 | Medical Helium 3,000 psig | Y99-930C15 |
| 940 | Medical Carbon Dioxide 3,000 psig | Y99-940C15 |
| 960 | Medical Nitrogen 3,000 psig | Y99-960C15 |
| 973 | Medical Mixes 3,000 psig | Y99-973C15 |

CGA - DISS Fittings

Stainless Steel

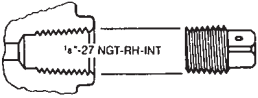
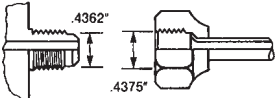
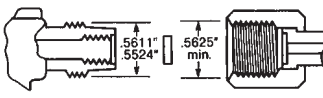
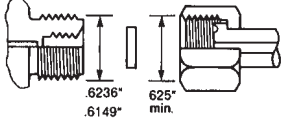
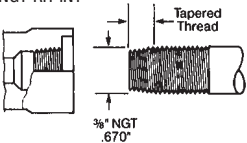
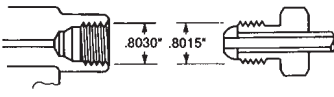
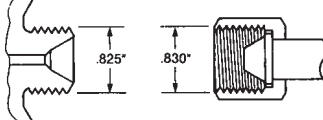
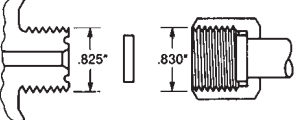
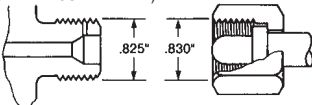
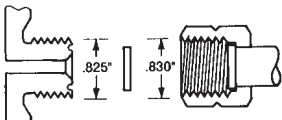
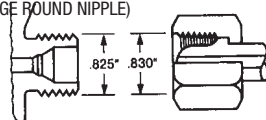
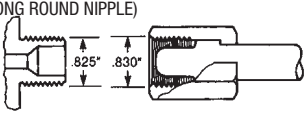
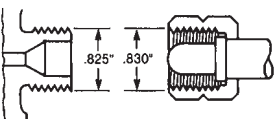
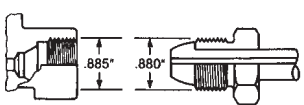
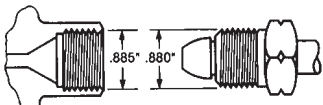
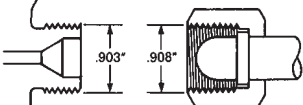
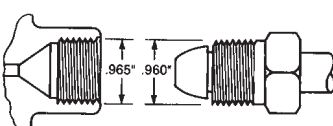
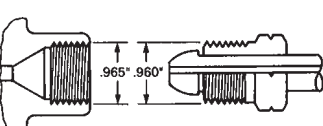
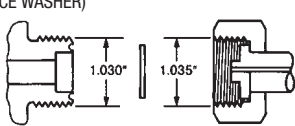
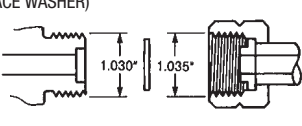
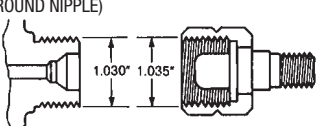
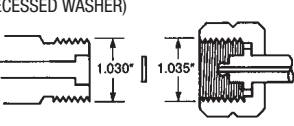
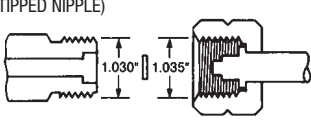
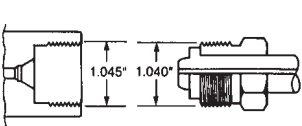
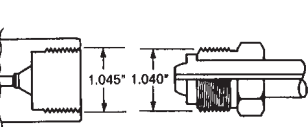
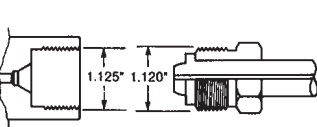
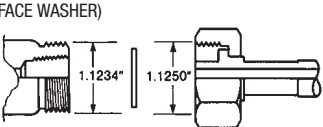
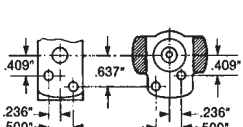
Ordering Information

| CGA | Common Service | Nut, Nipple & Washer Set | Washer |
|-----|------------------------------|--------------------------|------------|
| 632 | Silane 3,000 psig | Y99-DISS632 | Y99-DISSW4 |
| 634 | Chlorine 3,000 psig | Y99-DISS634 | Y99-DISSW4 |
| 636 | Hydrogen Chloride 3,000 psig | Y99-DISS363 | Y99-DISSW4 |
| 640 | NF ₃ 3,000 psig | Y99-DISS640 | Y99-DISSW4 |
| 712 | Nitrous Oxide 3,000 psig | Y99-DISS712 | Y99-DISSW4 |
| 714 | Oxygen 3,000 psig | Y99-DISS714 | Y99-DISSW4 |
| 716 | SF ₆ 3,000 psig | Y99-DISS716 | Y99-DISSW4 |
| 718 | Inert 3,000 psig | Y99-DISS718 | Y99-DISSW4 |
| 720 | Ammonia 3,000 psig | Y99-DISS720 | Y99-DISSW4 |
| 724 | Flammables 3,000 psig | Y99-DISS724 | Y99-DISSW4 |
| 728 | Chlorine 3,000 psig | Y99-DISS728 | Y99-DISSW4 |

Cylinder Valve Fitting Specifications Cont.

Fitting Specifications

MISCELLANEOUS EQUIPMENT

| | | | |
|--|--|---|---|
| <p>CGA 160 1/8"-27 NGT-RH-INT</p>  | <p>CGA 165 .4375"-20 UNF-2A-EXT (1/4" SAE FLARE)</p>  | <p>CGA 170 .5625"-18 UNF-2A-RH-EXT</p>  | <p>CGA 180 .625"-18 UNF-2A-RH-EXT</p>  |
| <p>CGA 240 3/8"-18 NGT-RH-INT</p>  | <p>CGA 296 .803"-14 UNS-2B-RH-INT (BULLET NIPPLE)</p>  | <p>CGA 300 .825"-14 NGO-RH-EXT (CONICAL NIPPLE)</p>  | <p>CGA 320 .825"-14 NGO-RH-EXT (FLAT NIPPLE)</p>  |
| <p>CGA 326 .825"-14 NGO-RH-EXT (SMALL ROUND NIPPLE)</p>  | <p>CGA 330 .825"-14 NGO-LH-EXT (FLAT NIPPLE)</p>  | <p>CGA 346 .825"-14 NGO-RH-EXT (LARGE ROUND NIPPLE)</p>  | <p>CGA 347 .825"-14 NGO-RH-EXT (LONG ROUND NIPPLE)</p>  |
| <p>CGA 350 .825"-14 NGO-LH-EXT (ROUND NIPPLE)</p>  | <p>CGA 500 .885"-14 NGO-RH-INT (BULLET NIPPLE)</p>  | <p>CGA 510 .885"-14 NGO-LH-INT</p>  | <p>CGA 540 .903"-14 NGO-RH-EXT</p>  |
| <p>CGA 580 .965"-14 NGO-RH-INT</p>  | <p>CGA 590 .965"-14 NGO-LH-INT</p>  | <p>CGA 660 1.030"-14 NGO-RH-EXT (FACE WASHER)</p>  | <p>CGA 670 1.030"-14 NGO-LH-EXT (FACE WASHER)</p>  |
| <p>CGA 677 1.030"-14 NGO-LH-EXT (ROUND NIPPLE)</p>  | <p>CGA 678 1.030"-14 NGO-LH-EXT (RECESSED WASHER)</p>  | <p>CGA 679 1.030"-14 NGO-LH-EXT (TIPPED NIPPLE)</p>  | <p>CGA 680 1.045"-14 NGO-RH-INT</p>  |
| <p>CGA 695 1.045"-14 NGO-LH-INT</p>  | <p>CGA 703 1.125"-14 NGO-LH-INT</p>  | <p>CGA 705 1.125"-14 UNS-2A-RH-EXT (FACE WASHER)</p>  | <p>CGA 973 PIN-INDEXED YOKE, PINS 11-24</p>  |