

**CampbellCrimpnology™ offers hose assembly systems for all your air applications:**



**Nitrogen Kills!**

Reduce the risk of disaster! Use **UniversaLocks, Single-Locks and Double-Locks** for easy, safe, line dedication.

All three couplings meet OSHA regulation 29CFR1915.131 and MSHA 30 CFR65.13021 requirements for air hose couplings. The fine for an unpinned/unlocked air hose coupling can be \$800 or more per infraction.



**UniversaLock**



Patent no. 5,779,277

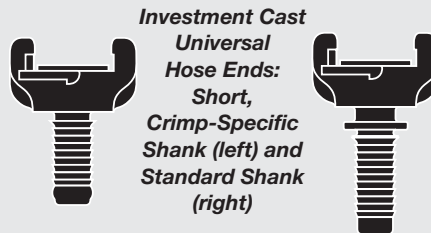
**UNIVERSAL COUPLINGS AND UNIVERSALOCK™ COUPLINGS**

**Features & Benefits**

- Mate with domestic and imported universal couplings.
- UniversaLocks automatically lock onto mating coupling.
- Interlock groove locks ferrule into place for the ultimate in holding power.
- Crimped assemblies are low profile and eliminate sharp edges from bands and bolts.
- Cast ductile iron meets ASTM A536 specification.
- Washers manufactured from nitrile for superior oil resistance

**Recommended hose attachment**

- Interlocking ferrules
- Preformed bands (Section I)
- Interlocking bolt clamps (Page 25)



**NEW! Investment Cast Universal Hose Ends**

- Investment casting provides a high quality, detailed, hose-end surface finish while eliminating the need for more costly machining.
- The performance of our Investment Cast Universal Hose Ends is equal to the performance of our machined versions, but at a lower cost.

- Standard shank Investment Cast Universal Hose Ends are for use with bands or light duty ferrules.
- The “shorty” shank model is designed specifically for crimping with light duty ferrules.

**SINGLE-LOCK (Bowes-style) and DOUBLE-LOCK (Thor-style) COUPLINGS**

**Features & Benefits**

- Automatically locks onto mate.
- Interlock groove locks ferrule into place for the ultimate in holding power.
- Crimped assemblies are low profile and eliminate sharp edges from bands and bolts.

**Recommended hose attachment**

- Interlocking ferrules (Section G)
- Preformed bands (Section I)

**VALVELOCK COUPLINGS**

**Features & Benefits**

- Automatically locks onto mate.
- When engaged the coupling is open.
- When disengaged the coupling shuts, exhausting air pressure on the tool side.

**Recommended hose attachment**

- Preformed bands (Section I)

**MAXIMUM SYSTEM WORKING PRESSURE (PSI @ 70°F)**  
SEE NOTE 1

| Hose System Components |            |                        | Hose Size |     |     |
|------------------------|------------|------------------------|-----------|-----|-----|
| Fitting/Coupling       | Attachment | Hose Type <sup>2</sup> | 1/2       | 3/4 | 1   |
| UniversaLock           | Ferrule    | Air                    | 300       | 300 | 300 |
| UniversaLock           | Bolt Clamp | Air                    | 150       | 150 | 150 |
| Universal              | Ferrule    | Air                    | 150       | 150 | 150 |
| Universal              | Bolt Clamp | Air                    | 150       | 150 | 150 |
| Single-Lock Coupling   | Ferrule    | Air                    | 300       | 300 | 300 |
| Double-Lock Coupling   | Ferrule    | Air                    | 300       | 300 | 300 |

See footnotes 1, 2, and 6 on Page 1



## FEMALE END



### Plated Steel

| npt size | part number | list each |
|----------|-------------|-----------|
| 3/8      | TF-38       | 22.08     |
| 1/2      | TF-2        | 23.92     |
| 3/4      | TF-3        | 24.02     |
| 1        | TF-4        | 26.16     |

## GASKET



### Nitrile

| size | part number | list each |
|------|-------------|-----------|
| ALL  | TGN-1       | 2.55      |

## VALVE-LOCK COUPLINGS



## VALVE-LOCK X HOSE END



### Brass

| hose size | part number | list each |
|-----------|-------------|-----------|
| 3/8       | VLH-38      | 279.53    |
| 1/2       | VLH-2       | 280.01    |
| 3/4       | VLH-3       | 282.24    |

## VALVE-LOCK X MALE NPT



### Brass

| npt size | part number | list each |
|----------|-------------|-----------|
| 3/8      | VLM-38      | 280.90    |
| 1/2      | VLM-2       | 280.16    |
| 3/4      | VLM-3       | 282.24    |

## VALVE-LOCK X FEMALE NPT



### Brass

| npt size | part number | list each |
|----------|-------------|-----------|
| 3/8      | VLV-38      | 276.86    |
| 1/2      | VLV-2       | 279.79    |
| 3/4      | VLV-3       | 281.74    |

## ADAPTER X HOSE END



### Brass

| hose size | part number | list each |
|-----------|-------------|-----------|
| 3/8       | VCH-38      | 120.15    |
| 1/2       | VCH-2       | 120.15    |
| 3/4       | VCH-3       | 120.15    |

## ADAPTER X MALE NPT



### Brass

| npt size | part number | list each |
|----------|-------------|-----------|
| 3/8      | VCM-38      | 114.59    |
| 1/2      | VCM-2       | 115.69    |
| 3/4      | VCM-3       | 116.71    |

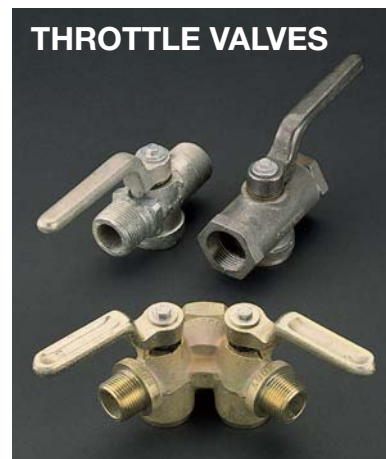
## ADAPTER X FEMALE NPT



### Brass

| npt size | part number | list each |
|----------|-------------|-----------|
| 3/8      | VCF-38      | 114.82    |
| 1/2      | VCF-2       | 115.55    |
| 3/4      | VCF-3       | 116.27    |

## THROTTLE VALVES



## FEMALE X FEMALE



| npt size | part number | list each |
|----------|-------------|-----------|
| 1/2      | ADI-12      | 44.42     |
| 3/4      | ADI-34      | 122.62    |
| 1        | ADI-10      | POR       |

## MALE X MALE



| npt size | part number | list each |
|----------|-------------|-----------|
| 1/2      | ADA-12      | POR       |
| 3/4      | ADA-34      | 114.34    |
| 1        | ADA-10      | POR       |

## FEMALE X DOUBLE MALE (female 1" npt)



| npt size | part number | list each |
|----------|-------------|-----------|
| 1 X 3/4  | DHA-10      | 178.64    |

DHA-10 has downstream venting.