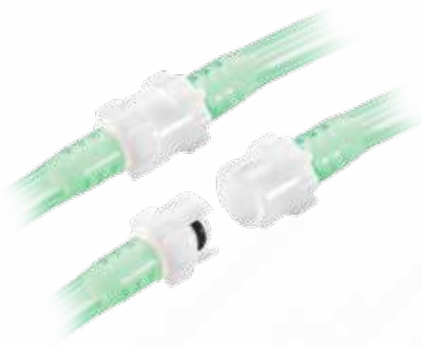


10AC & 10PP Series Couplings

Tubing Size 1/16" - 1/8"
1/16" Flow Acetal (POM) & Polypropylene

10AC couplings are produced in a durable natural Acetal thermoplastic and the 10PP couplings are produced from medical grade, gamma sterilizable polypropylene. The Acetal couplings are resistant to most mild chemicals and are manufactured to be trouble free for many years of service while the Polypropylene couplings offer greater chemical resistance. They are intuitive to use and make an audible click when coupled with their new and improved "Easy Grip Barrel." Both 10AC and 10PP Couplings interconnect with each other as well as other similar industry twist lock type couplings.



IMPROVED EASY GRIP BARREL

10AC Performance Ratings:

- Operating Pressure: Vacuum to 100psi; (6.9bar)
- Temperature: -40°F to 180°F; (-40°C to 82°C)
- Flow Capacity: 1/16" Size

10AC Materials & Construction:

- Bodies & Terminations: Acetal (POM)
- Internal Valves: Acetal (POM)
- Internal Valve Springs: 316 Stainless Steel
- O-rings: FDA & NSF Grade Buna-N (others available)
- Lock Sleeve: Acetal (POM)

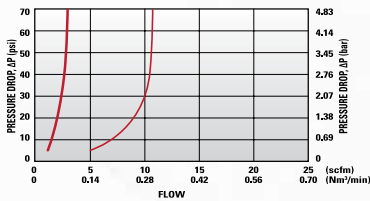
10PP Performance Ratings:

- Operating Pressure: Vacuum to 100psi; (6.9bar)
- Temperature: 32°F to 180°F; (0°C to 82°C)
- Flow Capacity: 1/16" Size

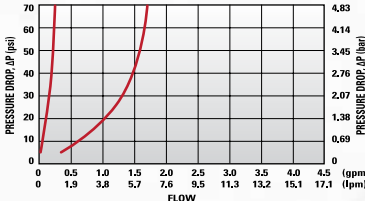
10PP Materials & Construction:

- Bodies & Terminations: medical grade Polypropylene
- Internal Valves: medical grade Polypropylene
- Internal Valve Springs: 316 Stainless Steel
- O-rings: Peroxide-cured EPDM (others available)
- Lock Sleeve: Acetal (POM)

10AC and 10PP Series Air Flow



10AC and 10PP Series Water Flow



Specific coupling combination flow rates can be determined by using this formula:

$$Q = C_v \sqrt{\frac{\Delta P}{S}}$$

Q = Flow rate in gallons per minute
C_v = Average flow rates (see chart)
ΔP = Pressure drop across coupling (psi)
S = Specific gravity of liquid.

FLOW RATES

The data below shows liquid flow rates for LinkTech couplings. Each coupling combination was tested at 70°F (21°C).

Cv Values for 10AC Series Couplings

| SOCKETS | 10AC-PB2-01 | 10AC-PB2-02 | 10AC-PB3-01 | 10AC-PB3-02 |
|--------------|-------------|-------------|-------------|-------------|
| 10AC-S2-01 | 0.03 | 0.03 | 0.03 | 0.03 |
| 10ACV-SB2-01 | 0.03 | 0.03 | 0.03 | 0.03 |
| 10AC-S2-02 | 0.03 | 0.19 | 0.03 | 0.19 |
| 10ACV-SB2-02 | 0.03 | 0.08 | 0.03 | 0.08 |
| 10AC-S3-01 | 0.03 | 0.03 | 0.03 | 0.03 |
| 10ACV-SB3-01 | 0.03 | 0.03 | 0.03 | 0.03 |
| 10AC-S3-02 | 0.03 | 0.19 | 0.03 | 0.19 |
| 10ACV-SB3-02 | 0.03 | 0.08 | 0.03 | 0.08 |

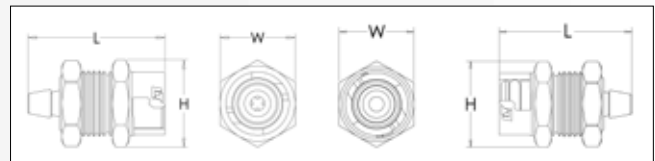
Cv Values for 10PP Series Couplings

| SOCKETS | 10PP-PB2-01 | 10PP-PB2-02 | 10PP-PB3-01 | 10PP-PB3-02 |
|------------|-------------|-------------|-------------|-------------|
| 10PP-S2-01 | 0.03 | 0.03 | 0.03 | 0.03 |
| 10PP-S2-02 | 0.03 | 0.19 | 0.03 | 0.19 |
| 10PP-S3-01 | 0.03 | 0.03 | 0.03 | 0.03 |
| 10PP-S3-02 | 0.03 | 0.19 | 0.03 | 0.19 |

Panel Mount Dimensions

| | PANEL OPENING | MAX PANEL THICKNESS | MIN PANEL THICKNESS |
|---------|---------------|---------------------|---------------------|
| SOCKETS | .438" | .21" | .03" |
| PLUGS | .438" | .21" | .03" |

| PANEL NUT HEX SIZE | PANEL NUT THREAD |
|--------------------|------------------|
| 1/2" | 7/16" - 24UNF |



Reference Dimensions: L = Length, W = Width, H = Height

10AC Series Sockets



IN-LINE HOSE BARB SOCKET

| Non-Valved | Valved | Tube Size | Metric Tube | Length | Width | Height |
|---------------|-----------------|-----------|-------------|--------|-------|--------|
| 10AC-S2-01 | 10ACV-SB2-01 | 1/16" ID | 1.6mm ID | .90" | .48" | .48" |
| 10AC-S2-01BLK | 10ACV-SB2-01BLK | 1/16" ID | 1.6mm ID | .90" | .48" | .48" |
| 10AC-S2-02 | 10ACV-SB2-02 | 1/8" ID | 3.2mm ID | .90" | .48" | .48" |
| 10AC-S2-02BLK | 10ACV-SB2-02BLK | 1/8" ID | 3.2mm ID | .90" | .48" | .48" |



PANEL MOUNT HOSE BARB SOCKET

| Non-Valved | Valved | Tube Size | Metric Tube | Length | Width | Height |
|---------------|-----------------|-----------|-------------|--------|-------|--------|
| 10AC-S3-01 | 10ACV-SB3-01 | 1/16" ID | 1.6mm ID | .90" | .50" | .58" |
| 10AC-S3-01BLK | 10ACV-SB3-01BLK | 1/16" ID | 1.6mm ID | .90" | .50" | .58" |
| 10AC-S3-02 | 10ACV-SB3-02 | 1/8" ID | 3.2mm ID | .90" | .50" | .58" |
| 10AC-S3-02BLK | 10ACV-SB3-02BLK | 1/8" ID | 3.2mm ID | .90" | .50" | .58" |



IN-LINE HOSE BARB SOCKET, NO SLEEVE

| Non-Valved | Valved | Tube Size | Metric Tube | Length | Width | Height |
|-----------------|-------------------|-----------|-------------|--------|-------|--------|
| 10AC-S2-01NS | 10ACV-SB2-01NS | 1/16" ID | 1.6mm ID | .90" | .32" | .32" |
| 10AC-S2-01NSBLK | 10ACV-SB2-01NSBLK | 1/16" ID | 1.6mm ID | .90" | .32" | .32" |
| 10AC-S2-02NS | 10ACV-SB2-02NS | 1/8" ID | 3.2mm ID | .90" | .32" | .32" |
| 10AC-S2-02NSBLK | 10ACV-SB2-02NSBLK | 1/8" ID | 3.2mm ID | .90" | .32" | .32" |

10AC Series Plugs



IN-LINE HOSE BARB PLUG

| Non-Valved | Tube Size | Metric Tube | Length | Width | Height |
|----------------|-----------|-------------|--------|-------|--------|
| 10AC-PB2-01 | 1/16" ID | 1.6mm ID | .75" | .48" | .48" |
| 10AC-PB2-01BLK | 1/16" ID | 1.6mm ID | .75" | .48" | .48" |
| 10AC-PB2-02 | 1/8" ID | 3.2mm ID | .90" | .48" | .48" |
| 10AC-PB2-02BLK | 1/8" ID | 3.2mm ID | .90" | .48" | .48" |



PANEL MOUNT HOSE BARB PLUG

| Non-Valved | Tube Size | Metric Tube | Length | Width | Height |
|----------------|-----------|-------------|--------|-------|--------|
| 10AC-PB3-01 | 1/16" ID | 1.6mm ID | .75" | .50" | .58" |
| 10AC-PB3-01BLK | 1/16" ID | 1.6mm ID | .75" | .50" | .58" |
| 10AC-PB3-02 | 1/8" ID | 3.2mm ID | .90" | .50" | .58" |
| 10AC-PB3-02BLK | 1/8" ID | 3.2mm ID | .90" | .50" | .58" |



IN-LINE HOSE BARB PLUG, NO SLEEVE

| Non-Valved | Tube Size | Metric Tube | Length | Width | Height |
|------------------|-----------|-------------|--------|-------|--------|
| 10AC-PB2-01NS | 1/16" ID | 1.6mm ID | .75" | .32" | .32" |
| 10AC-PB2-01NSBLK | 1/16" ID | 1.6mm ID | .75" | .32" | .32" |
| 10AC-PB2-02NS | 1/8" ID | 3.2mm ID | .90" | .32" | .32" |
| 10AC-PB2-02NSBLK | 1/8" ID | 3.2mm ID | .90" | .32" | .32" |

10AC In-Line Coupling



IN-LINE HOSE BARB COUPLING

| Non-Valved | Valved | Tube Size | Metric Tube | Length | Width | Height |
|-------------|--------------|-----------|-------------|--------|-------|--------|
| 10AC2-01 | 10ACV2-01 | 1/16" ID | 1.6mm ID | 1.46" | .48" | .48" |
| 10AC2-01BLK | 10ACV2-01BLK | 1/16" ID | 1.6mm ID | 1.46" | .48" | .48" |
| 10AC2-02 | 10ACV2-02 | 1/8" ID | 3.2mm ID | 1.61" | .48" | .48" |
| 10AC2-02BLK | 10ACV2-02BLK | 1/8" ID | 3.2mm ID | 1.61" | .48" | .48" |

*BLK denotes part available in Black.

**ALL COMPLETE PARTS ALSO
AVAILABLE IN BLACK**



10PP Series Sockets



| IN-LINE HOSE BARB SOCKET | | | | | | |
|--------------------------|-----------|-------------|--------|-------|--------|--|
| Non-Valved | Tube Size | Metric Tube | Length | Width | Height | |
| 10PP-S2-01 | 1/16" ID | 1.6mm ID | .90" | .48" | .48" | |
| 10PP-S2-02 | 1/8" ID | 3.2mm ID | .90" | .48" | .48" | |



| PANEL MOUNT HOSE BARB SOCKET | | | | | | |
|------------------------------|-----------|-------------|--------|-------|--------|--|
| Non-Valved | Tube Size | Metric Tube | Length | Width | Height | |
| 10PP-S3-01 | 1/16" ID | 1.6mm ID | .90" | .50" | .58" | |
| 10PP-S3-02 | 1/8" ID | 3.2mm ID | .90" | .50" | .58" | |



| IN-LINE HOSE BARB SOCKET, NO SLEEVE | | | | | | |
|-------------------------------------|-----------|-------------|--------|-------|--------|--|
| Non-Valved | Tube Size | Metric Tube | Length | Width | Height | |
| 10PP-S2-01NS | 1/16" ID | 1.6mm ID | .90" | .32" | .32" | |
| 10PP-S2-02NS | 1/8" ID | 3.2mm ID | .90" | .32" | .32" | |

10PP Series Plugs



| IN-LINE HOSE BARB PLUG | | | | | | |
|------------------------|-----------|-------------|--------|-------|--------|--|
| Non-Valved | Tube Size | Metric Tube | Length | Width | Height | |
| 10PP-PE2-01 | 1/16" ID | 1.6mm ID | .75" | .48" | .48" | |
| 10PP-PE2-02 | 1/8" ID | 3.2mm ID | .90" | .48" | .48" | |



| PANEL MOUNT HOSE BARB PLUG | | | | | | |
|----------------------------|-----------|-------------|--------|-------|--------|--|
| Non-Valved | Tube Size | Metric Tube | Length | Width | Height | |
| 10PP-PE3-01 | 1/16" ID | 1.6mm ID | .75" | .50" | .58" | |
| 10PP-PE3-02 | 1/8" ID | 3.2mm ID | .90" | .50" | .58" | |



| IN-LINE HOSE BARB PLUG, NO SLEEVE | | | | | | |
|-----------------------------------|-----------|-------------|--------|-------|--------|--|
| Non-Valved | Tube Size | Metric Tube | Length | Width | Height | |
| 10PP-PE2-01NS | 1/16" ID | 1.6mm ID | .75" | .32" | .32" | |
| 10PP-PE2-02NS | 1/8" ID | 3.2mm ID | .90" | .32" | .32" | |

10PP In-Line Coupling



| IN-LINE HOSE BARB COUPLING | | | | | | |
|----------------------------|-----------|-------------|--------|-------|--------|--|
| Non-Valved | Tube Size | Metric Tube | Length | Width | Height | |
| 10PP2-01 | 1/16" ID | 1.6mm ID | 1.46" | .48" | .48" | |
| 10PP2-02 | 1/8" ID | 3.2mm ID | 1.61" | .48" | .48" | |

20AC Series Couplings

These 1/8" flow size couplings are produced in a durable natural Acetal (POM) thermoplastic. They are resistant to most mild chemicals and are manufactured to be trouble free for many years of service. They are intuitive to use and make an audible click when coupled. 20AC couplings interconnect with all other 20PP and 20CB Series couplings as well as other similar industry thumb-latch type couplings.



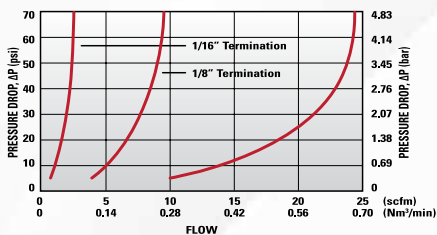
Performance Ratings:

- Operating Pressure: Vacuum to 120psi; (8.3bar)
- Temperature: -40°F to 180°F; (-40°C to 82°C)
- Flow Capacity: 1/8" Size

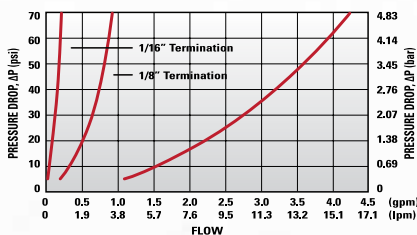
Materials & Construction:

- Bodies & Terminations: Acetal (POM)
- Internal Valves: Acetal (POM)
- Internal Valve Springs: 316 Stainless Steel
- O-rings: FDA & NSF Grade Buna-N (others available)
- Thumb-latch: Stainless Steel
- External Springs & Pins: Stainless Steel

20AC Series Air Flow



20AC Series Water Flow



FLOW RATES

The data below shows liquid flow rates for LinkTech couplings. Each coupling combination was tested at 70°F (21°C).

C_v Values for 20AC Series Couplings

| | 20ACV-PB2-01 | 20AC-PB2-01 | 20ACV-PB2-02 | 20AC-PB2-02 | 20ACV-PB2-03 | 20AC-PB2-03 | 20ACV-PB2-04 | 20AC-PB2-04 | 20ACV-PB9-04 | 20AC-PB9-04 | 20ACV-PB1-02 | 20AC-PB1-02 | 20ACV-PB1-04 | 20AC-PB1-04 | 20ACV-PB4-04 | 20AC-PB4-04 |
|----------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|
| SOCKETS | | | | | | | | | | | | | | | | |
| 20ACV-SB2-01 | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 20AC-S2-01 | 0.02 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 20ACV-SB2-04 | 0.03 | 0.03 | 0.16 | 0.22 | 0.16 | 0.22 | 0.21 | 0.26 | 0.17 | 0.23 | 0.19 | 0.25 | 0.21 | 0.25 | 0.24 | 0.27 |
| 20AC-S2-04 | 0.03 | 0.03 | 0.18 | 0.24 | 0.19 | 0.26 | 0.23 | 0.45 | 0.24 | 0.33 | 0.2 | 0.45 | 0.24 | 0.38 | 0.27 | 0.45 |
| 20ACV-SB3-02 | 0.03 | 0.03 | 0.14 | 0.17 | 0.14 | 0.18 | 0.15 | 0.19 | 0.15 | 0.19 | 0.18 | 0.18 | 0.15 | 0.18 | 0.15 | 0.19 |
| 20AC-S3-02 | 0.03 | 0.03 | 0.14 | 0.19 | 0.14 | 0.2 | 0.15 | 0.27 | 0.15 | 0.24 | 0.15 | 0.27 | 0.18 | 0.28 | 0.16 | 0.27 |
| 20ACV-SB3-04 | 0.03 | 0.03 | 0.16 | 0.22 | 0.16 | 0.22 | 0.21 | 0.26 | 0.17 | 0.23 | 0.19 | 0.26 | 0.21 | 0.26 | 0.16 | 0.25 |
| 20AC-S3-04 | 0.03 | 0.03 | 0.18 | 0.25 | 0.19 | 0.27 | 0.23 | 0.45 | 0.23 | 0.34 | 0.2 | 0.45 | 0.25 | 0.45 | 0.26 | 0.45 |
| 20ACV-SB8-04 | 0.03 | 0.03 | 0.16 | 0.2 | 0.16 | 0.21 | 0.17 | 0.22 | 0.17 | 0.21 | 0.17 | 0.21 | 0.17 | 0.21 | 0.18 | 0.22 |
| 20AC-S8-04 | 0.03 | 0.03 | 0.16 | 0.25 | 0.17 | 0.3 | 0.18 | 0.4 | 0.18 | 0.4 | 0.16 | 0.4 | 0.18 | 0.36 | 0.21 | 0.4 |
| 20ACV-SB1-02 | 0.03 | 0.03 | 0.16 | 0.24 | 0.17 | 0.25 | 0.2 | 0.28 | 0.18 | 0.27 | 0.2 | 0.26 | 0.2 | 0.29 | 0.24 | 0.26 |
| 20AC-S1-02 | 0.03 | 0.03 | 0.16 | 0.25 | 0.17 | 0.3 | 0.19 | 0.5 | 0.18 | 0.4 | 0.2 | 0.5 | 0.2 | 0.5 | 0.24 | 0.5 |
| 20ACV-SB1-04 | 0.03 | 0.03 | 0.17 | 0.25 | 0.18 | 0.25 | 0.23 | 0.3 | 0.19 | 0.3 | 0.21 | 0.27 | 0.23 | 0.28 | 0.24 | 0.29 |
| 20AC-S1-04 | 0.03 | 0.03 | 0.18 | 0.26 | 0.19 | 0.3 | 0.24 | 0.5 | 0.21 | 0.4 | 0.2 | 0.5 | 0.25 | 0.51 | 0.26 | 0.5 |

Specific coupling combination flow rates can be determined by using this formula:

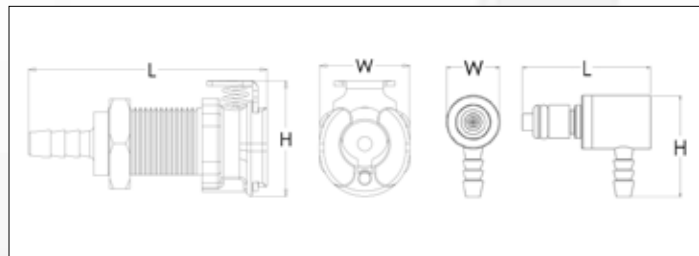
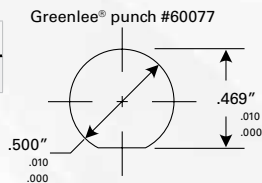
$$Q = C_v \sqrt{\frac{\Delta P}{S}}$$

Q = Flow rate in gallons per minute
C_v = Average flow rates (see chart)
ΔP = Pressure drop across coupling (psi)
S = Specific gravity of liquid.

Panel Mount Dimensions

| | PANEL OPENING | MAX PANEL THICKNESS | MIN PANEL THICKNESS |
|----------------|---------------|---------------------|---------------------|
| SOCKETS | Per Drawing | 0.5" | 0.05" |
| PLUGS | 0.5" | 0.3" | 0.05" |

| PANEL NUT HEX SIZE | PANEL NUT THREAD |
|--------------------|------------------|
| 5/8" | 1/2" - 24UNS |



Reference Dimensions: L = Length, W = Width, H = Height