

LQ6C Series

Wakefield- Vette's LQ6C Series quick disconnect couplings provide ultra-reliable, dripless connections and disconnections that protect valuable electronics. Designed specifically for liquid cooling applications, LQ6C utilizes patent-pending valve technology that eliminates drips and can withstand long-term use.



Specifications:

PRESSURE:

- Vacuum to 120 psi, 8.3 bar

TEMPERATURE:

- 0°F to 240°F (-17°C to 115°C)

MAXIMUM FLOW AT DISCONNECT:

- 4.0 gal/min, 15.1L/min

MATERIALS:

- Main housing components: *Chrome-plated brass*
- Valves and thumb latch: *Polysulfone*
- Valve spring (wetted): *Stainless steel*
- External spring: *Stainless steel*
- Seals: *EPDM*

COLOR:

- Chrome with Cool Blue or Warm Red

TUBING SIZES:

- 3/8" to 1/2" ID, 9.5mm to 12.7mm ID

LUBRICANTS:

- Krytox® PFPE

SPILLAGE:

- 0.05 cc per disconnect rated at 0 psi
- 0.125 cc per disconnect rated at 120 psi

INCLUSION:

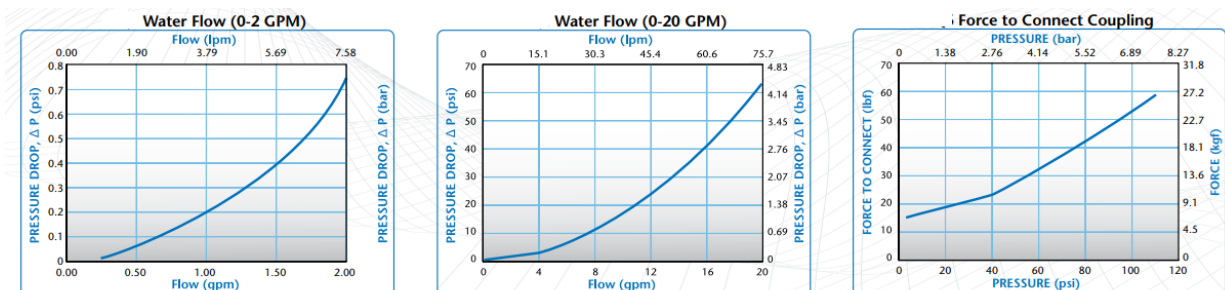
- 0.42 cc per connect

WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of Wakefield-Vette's products in their own application conditions

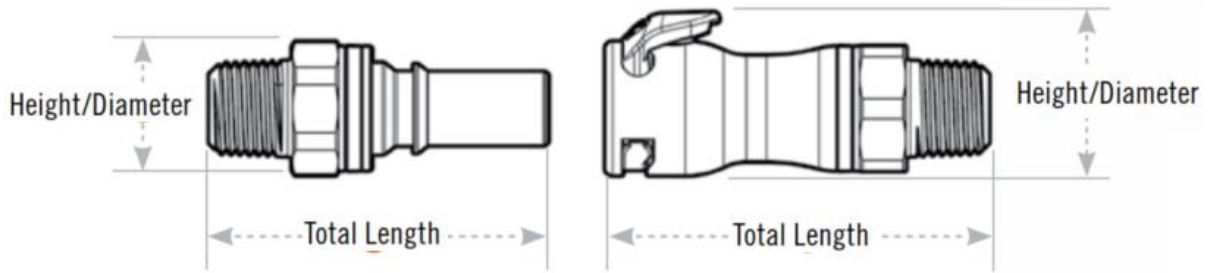
FEATURES & BENEFITS

- **Non-spill design-** Disconnect under pressure with no spills
- **Redundant sealing when connected-** Extra protection from leaks
- **Color-coding-** Instant visual difference in cooling lines
- **Friction-free valve-** Valving system designed for extended periods in connected state
- **Ruggedness-** Able to withstand long-term, repeated use
- **Rotation allows movement-** Eliminates tube kinking

Performance:



LQ4C Series



Coupling Bodies- Chrome Plated Brass:



| WKV Vette Part Number | Description | Series | Tubing/Thread ID (inches) | Height (Inches) | Length (Inches) | Connector Type | Body Type | Color |
|-----------------------|---|--------|---------------------------|-----------------|-----------------|-------------------------|-----------|-------|
| LP6C-38-B-F-B | Liquid Connector 3/8 HB Valved In-Line Body - Blue | LP6C | 0.38 | 1.185 | 2.73 | In Line Hose Barb | Female | Blue |
| LP6C-38-B-F-R | Liquid Connector 3/8 HB Valved In-Line Body - Red | LP6C | 0.38 | 1.185 | 2.73 | In Line Hose Barb | Female | Red |
| LP6C-50-B-F-B | Liquid Connector 1/2 HB Valved In-Line Body - Blue | LP6C | 0.5 | 1.185 | 2.73 | In Line Hose Barb | Female | Blue |
| LP6C-50-B-F-R | Liquid Connector 1/2 HB Valved In-Line Body - Red | LP6C | 0.5 | 1.185 | 2.73 | In Line Hose Barb | Female | Red |
| LP6C-38-SAE-F-B | Liquid Connector 3/8 SAE Valved In-Line Body - Blue | LP6C | 0.38 | 1.185 | 2.48 | In Line Thread Port SAE | Female | Blue |
| LP6C-38-SAE-F-R | Liquid Connector 3/8 SAE Valved In-Line Body - Red | LP6C | 0.38 | 1.185 | 2.48 | In Line Thread Port SAE | Female | Red |
| LP6C-50-SAE-F-B | Liquid Connector 1/2 SAE Valved In-Line Body - Blue | LP6C | 0.5 | 1.185 | 2.5 | In Line Thread Port SAE | Female | Blue |
| LP6C-50-SAE-F-R | Liquid Connector 1/2 SAE Valved In-Line Body - Red | LP6C | 0.5 | 1.185 | 2.5 | In Line Thread Port SAE | Female | Red |

Coupling Inserts- Chrome Plated Brass:



| WKV Vette Part Number | Description | Series | Tubing/Thread ID (inches) | Height (Inches) | Length (Inches) | Connector Type | Body Type | Color |
|-----------------------|---|--------|---------------------------|-----------------|-----------------|-------------------------|-----------|-------|
| LP6C-38-B-M-B | Liquid Connector 3/8 HB Valved In-Line Insert - Blue | LP6C | 0.38 | 0.93 | 2.47 | In Line Hose Barb | Male | Blue |
| LP6C-38-B-M-R | Liquid Connector 3/8 HB Valved In-Line Insert - Red | LP6C | 0.38 | 0.93 | 2.47 | In Line Hose Barb | Male | Red |
| LP6C-50-B-M-B | Liquid Connector 1/2 HB Valved In-Line Insert - Blue | LP6C | 0.5 | 0.93 | 2.47 | In Line Hose Barb | Male | Blue |
| LP6C-50-B-M-R | Liquid Connector 1/2 HB Valved In-Line Insert - Red | LP6C | 0.5 | 0.93 | 2.47 | In Line Hose Barb | Male | Red |
| LP6C-38-SAE-M-B | Liquid Connector 3/8 SAE Valved In-Line Insert - Blue | LP6C | 0.38 | 1.025 | 2.3 | In Line Thread Port SAE | Male | Blue |
| LP6C-38-SAE-M-R | Liquid Connector 3/8 SAE Valved In-Line Insert - Red | LP6C | 0.38 | 1.025 | 2.3 | In Line Thread Port SAE | Male | Red |
| LP6C-50-SAE-M-B | Liquid Connector 1/2 SAE Valved In-Line Insert - Blue | LP6C | 0.5 | 1.025 | 2.3 | In Line Thread Port SAE | Male | Blue |
| LP6C-50-SAE-M-R | Liquid Connector 1/2 SAE Valved In-Line Insert - Red | LP6C | 0.5 | 1.025 | 2.3 | In Line Thread Port SAE | Male | Red |

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