

LP6C Series

Wakefield- Vette's LP6C Series quick disconnect couplings provide ultra-reliable, dripless connections and disconnections that protect valuable electronics. Designed specifically for liquid cooling applications, LP6C 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:

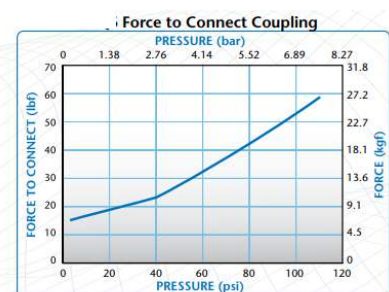
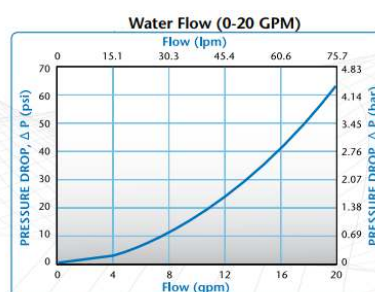
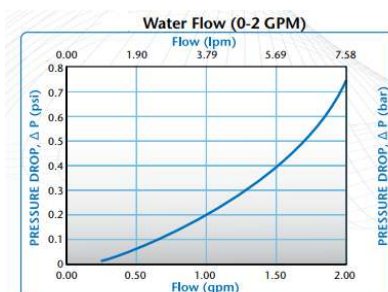
- 0.42 cc per connect

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

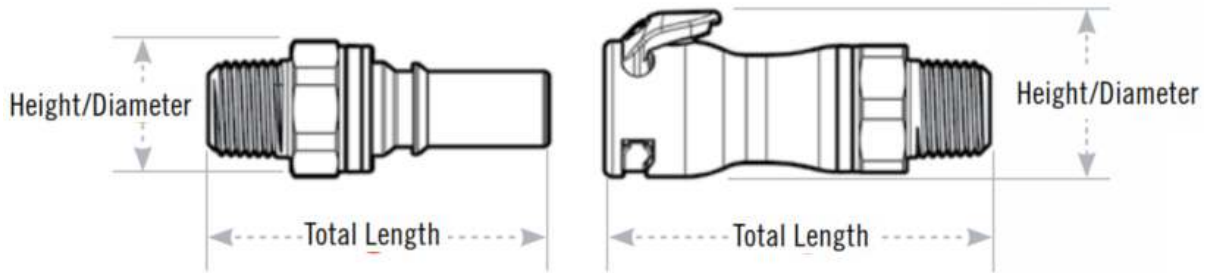
FEATURES & BENEFITS

- **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:



LP6C 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