wakefield-vette

LP4C Series

Wakefield- Vette's LP4C Series quick disconnect couplings provide ultra-reliable, dripless connections and disconnections that protect valuable electronics. Designed specifically for liquid cooling applications, LP4C 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:

• 3.0 gal/min, 11.3L/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:

• 1/4" to 3/8" ID, 6.4mm to 9.5mm ID

LUBRICANTS:

Krytox® PFPE

SPILLAGE:

- 0.025 cc per disconnect rated at 0 psi
- 0.055 cc per disconnect rated at 120 psi

INCLUSION:

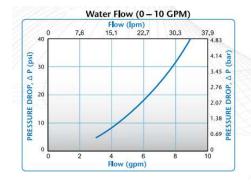
• 0.025 cc per connect

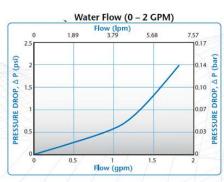
WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of Wakefield-Vette's products in their own application conditions

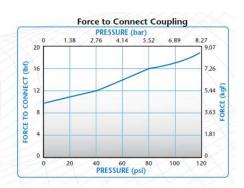
FEATURES & BENEFITS

- 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 longterm, repeated use
- Rotation allows movement- Eliminates tube kinking

Performance:

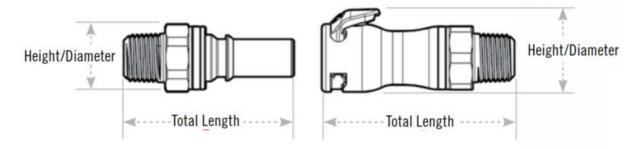








LP4C Series



Coupling Bodies- Chrome Plated Brass:





WKV Vette Part Number	Description	Series	Tubing/Thread ID (inches)	Height (Inches)	Length	Connector Type	Body	Color
Number	·	Series	ib (iliches)	(inches)	(inches)	• •	Type	COIOI
	Liquid Connector 1/4 HB Valved In-					In Line Hose	_	
LP4C-25-B-F-B	Line Body - Blue	LP4C	0.25	0.98	2.49	Barb	Female	Blue
	Liquid Connector 1/4 HB Valved In-					In Line Hose		
LP4C-25-B-F-R	Line Body - Red	LP4C	0.25	0.98	2.49	Barb	Female	Red
	Liquid Connector 3/8 HB Valved In-					In Line Hose		
LP4C-38-B-F-B	Line Body - Blue	LP4C	0.38	0.98	2.49	Barb	Female	Blue
	Liquid Connector 3/8 HB Valved In-					In Line Hose		
LP4C-38-B-F-R	Line Body - Red	LP4C	0.38	0.98	2.49	Barb	Female	Red
	Liquid Connector 1/4 SAE Valved					In Line Thread		
LP4C-25-SAE-F-B	In-Line Body - Blue	LP4C	0.25	0.98	2.29	Port SAE	Female	Blue
	Liquid Connector 1/4 SAE Valved					In Line Thread		
LP4C-25-SAE-F-R	In-Line Body - Red	LP4C	0.25	0.98	2.29	Port SAE	Female	Red
	Liquid Connector 3/8 SAE Valved					In Line Thread		
LP4C-38-SAE-F-B	In-Line Body - Blue	LP4C	0.38	0.98	2.29	Port SAE	Female	Blue
	Liquid Connector 3/8 SAE Valved					In Line Thread		
LP4C-38-SAE-F-R	In-Line Body - Red	LP4C	0.38	0.98	2.29	Port SAE	Female	Red

Coupling Inserts- Chrome Plated Brass:





WKV Vette Part			Tubing/Thread	Height	Length	Connector	Body	
Number	Description	Series	ID (inches)	(Inches)	(Inches)		Type	Color
LP4C-25-B-M-B	Liquid Connector 1/4 HB Valved In-Line Insert - Blue	LP4C	0.25	0.74	2.22	In Line Hose Barb	Male	Blue
LP4C-25-B-M-R	Liquid Connector 1/4 HB Valved In-Line Insert - Red	LP4C	0.25	0.74	2.22	In Line Hose Barb	Male	Red
LP4C-38-B-M-B	Liquid Connector 3/8 HB Valved In-Line Insert - Blue	LP4C	0.38	0.74	2.22	In Line Hose Barb	Male	Blue
LP4C-38-B-M-R	Liquid Connector 3/8 HB Valved In-Line Insert - Red	LP4C	0.38	0.74	2.22	In Line Hose Barb	Male	Red
LP4C-25-SAE-M-B	Liquid Connector 1/4 SAE Valved In-Line Insert - Blue	LP4C	0.25	0.8	2.02	In Line Thread Port SAE	Male	Blue
LP4C-25-SAE-M-R	Liquid Connector 1/4 SAE Valved In-Line Insert - Red	LP4C	0.25	0.8	2.02	In Line Thread Port SAE	Male	Red
LP4C-38-SAE-M-B	Liquid Connector 3/8 SAE Valved In-Line Insert - Blue	LP4C	0.38	0.8	2.02	In Line Thread Port SAE	Male	Blue
	Liquid Connector 3/8 SAE					In Line Thread Port		
LP4C-38-SAE-M-R	Valved In-Line Insert - Red	LP4C	0.38	0.8	2.02	SAE	Male	Red