

Parker Product Datasheet



Dry break quick coupling system with nominal diameter 9 for fluid and gas handling applications in sensitive environments up to 15 bar. Available made of brass or stainless steel.

PART NUMBER: 209KLIW21EVX
CONNECTION TYPE: Female BSPP
CONNECTION SIZE: G 1/2
BODY MATERIAL: Stainless Steel 316L
FUNCTION: Dry-break
COUPLING HALF: Coupler

PRODUCT OVERVIEW

Parker's dry break coupling system has been developed for applications in sensitive environments, for example in analysis technology, in cooling systems, in transport systems and many applications with aggressive media.

This coupling system with single-hand operation has extremely low leakage rates and minimal dead space volume. The design allows absolutely no air pockets when coupling and only a barely noticeable film of the medium being channeled on the valve bodies when uncoupling.

Markets:

- Life Science
- Process
- Electronic Cooling
- Industrial
- Food & Beverage

Features/Benefits:

- Dry break – extremely low dead volume remaining
- Single-handed operation for easy and fast connection
- Ergonomic sleeve shape for easy handling
- Low connecting forces
- Valve body protected by collar design
- Clean, deposit free surface (RZ16)
- High vacuum rating

Applications:

- Laboratory Gas Supply
- Cooling of Electronic Components
- Vacuum Applications
- Food and chemical processing
- Water and coolant lines
- Thermal Management

TECH SPECIFICATIONS

MAXIMUM OPERATING TEMPERATURE	212 °F
MAXIMUM OPERATING TEMPERATURE	200 °C
DIVISION	Low Pressure Connectors Europe Division
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MAXIMUM OPERATING PRESSURE	15 bar
MAXIMUM OPERATING PRESSURE	218 psi
FLOW RATE	27 L/min (water)
MINIMUM OPERATING TEMPERATURE	-4 °F
MINIMUM OPERATING TEMPERATURE	-15 °C
FOR FLUID TYPE	Water

FOR FLUID TYPE	Chemicals (Paints, solvents, lubricants)
FOR FLUID TYPE	Coolants (Industrial coolants, water-glycol)
INDUSTRY	Industrial
INDUSTRY	Process
INDUSTRY	Food & Beverage
INDUSTRY	Life Science
INDUSTRY	Electronic Cooling
REGION OF ORIGIN	Germany
CONNECTION TYPE	Female
CONNECTION TYPE	BSPP
APPLICATION	Cooling of Electronic Components
APPLICATION	Vacuum Applications
APPLICATION	Water and coolant lines
APPLICATION	Food and chemical processing
APPLICATION	Laboratory Gas Supply
APPLICATION	Thermal Management
BRAND	Rectus
BRAND	Parker
TECHNOLOGY	Fluid and Gas Handling
CONNECTION SIZE	G 1/2
LENGTH	92 mm
PRODUCT STYLE	Quick Connect
BODY MATERIAL	Stainless Steel 316L
PRODUCT SERIES	Series 209
PRODUCT TYPE	Application Based Quick Couplings
PLATING TYPE	Without Surface Treatment
SLEEVE MATERIAL	Stainless Steel 316L

HEX SIZE	27 mm
SEAL MATERIAL	FKM
OUTSIDE DIAMETER	33 mm
WEIGHT	0.303 kg
COMPATIBLE FITTING	Series 209 Plug
FUNCTION	Dry-Break (Double Shut-Off)
VALVE TYPE	Non-Spill
OPERATION TYPE	Sleeve
QUANTITY PER BOX	1.0
COUPLING HALF	Coupler
DIAMETER	9 mm (nominal)
INTERCHANGE TYPE	Parker Profile
SLEEVE TYPE	n/a
VALVE INCLUDED	Yes