Parker Product Datasheet



Premium quick coupling system with nominal diameter 10 for pneumatic and fluid handling applications up to 35 bar. Coupling system with the largest standard European profile. Available made of brass/steel or stainless steel.

PART NUMBER: 1700KAIW21SPN
COUPLING HALF: Coupler
BODY MATERIAL: Steel
CONNECTION TYPE: Female BSPP
FUNCTION: Single Shut-Off
CONNECTION SIZE: G 1/2

PRODUCT OVERVIEW

Parker's 1/2' universal industrial coupling with standard European profile for use with large pneumatic consumers.

Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop. The series stands out for its robust design (steel sleeve), extremely high flow and long service life even with the harshest use. The collar design minimises damage to the valve body.

Markets:

- Machinery Construction

- Trade

- Automotive

- Life Science

- Process

- Food & Beverage

- Aerospace

- Mobile Hydraulics

- Industrial

Features/Benefits:

- UltraFlo valve for optimum flow and low pressure drop

- Higher working pressure compared to competitve products

- Single-hand operation for easy and fast connection

Applications:

- Pneumatic Power Tools

- Assembly Lines

- Air compressors

- Fluid Transfer

- Labotory Gas Supply

- Cooling of Electronic Components

- Food and chemical processing

- Water and coolant lines

- Thermal Management

TECH SPECIFICATIONS

FLOW RATE	3580 L/min (air)
LENGTH	68 mm
APPLICATION	Industrial Machinery
INDUSTRY	Electronics
BRAND	Rectus
DIVISION	Low Pressure Connectors Europe Division
PRODUCT STYLE	Quick Connect
COUPLING HALF	Coupler
DIVISION	Low Pressure Connectors Europe Division
QUANTITY PER BOX	10
VALVE INCLUDED	Yes
REGION OF ORIGIN	Germany
WEIGHT	0.16 kg
BODY MATERIAL	Brass
OPERATION TYPE	Sleeve
PLATING TYPE	Nickel-Plated
SEAL MATERIAL	NBR
OUTSIDE DIAMETER	27 mm
VALVE TYPE	Ultra High Flow Valve
APPLICATION	Energy Management
CONNECTION SIZE	G 1/2
INDUSTRY	General Industrial
TECHNOLOGY	Pneumatics
APPLICATION	Electronics
MINIMUM OPERATING TEMPERATURE	-20 °C
PRODUCT SERIES	Series 1700

CONNECTION TYPE	BSPP
FUNCTION	Single Shut-Off
COMPATIBLE FITTING	Series 27 Plug
MAXIMUM OPERATING TEMPERATURE	212 °F
INTERCHANGE TYPE	European Profile
CONNECTION TYPE	Female
HEX SIZE	24 mm
MINIMUM OPERATING TEMPERATURE	-4 °F
FOR FLUID TYPE	Air & Neutral Gases
PRODUCT TYPE	Pneumatic Quick Couplings
APPLICATION	Air & Gas Compressor
MAXIMUM OPERATING PRESSURE	35 bar
DIAMETER	10 mm (nominal)
SLEEVE MATERIAL	Steel
MAXIMUM OPERATING PRESSURE	507 psi
MAXIMUM OPERATING TEMPERATURE	100 °C
BRAND	Parker