

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: 27KAAW21RVX
CONNECTION TYPE: Male BSPP
CONNECTION SIZE: G 1/2
BODY MATERIAL: Stainless Steel 303
FUNCTION: Single Shut-Off
COUPLING HALF: Coupler

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 competitive products
- Single-hand operation for easy and fast connection

Applications:

- Pneumatic Power Tools
- Assembly Lines
- Air compressors
- Fluid Transfer
- Laboratory Gas Supply
- Cooling of Electronic Components
- Food and chemical processing
- Water and coolant lines
- Thermal Management

TECH SPECIFICATIONS

MAXIMUM OPERATING TEMPERATURE	200 °C
MAXIMUM OPERATING TEMPERATURE	392 °F
DIVISION	Low Pressure Connectors Europe Division
DIVISION	Low Pressure Connectors Europe Division
MAXIMUM OPERATING PRESSURE	507 psi
MAXIMUM OPERATING PRESSURE	35 bar
FLOW RATE	31 L/min (water)
FLOW RATE	2400 L/min (air)
MINIMUM OPERATING TEMPERATURE	-15 °C
MINIMUM OPERATING TEMPERATURE	5 °F
FOR FLUID TYPE	Water
FOR FLUID TYPE	Chemicals
FOR FLUID TYPE	Air & Neutral Gases
INDUSTRY	General Industrial
REGION OF ORIGIN	Germany
CONNECTION TYPE	BSPP
CONNECTION TYPE	Male
APPLICATION	Food & Beverages
APPLICATION	Air & Gas Compressor
BRAND	Rectus
BRAND	Parker
TECHNOLOGY	Pneumatics
TECHNOLOGY	Fluid & Gas Handling
CONNECTION SIZE	G 1/2

LENGTH	59.5 mm
PRODUCT STYLE	Quick Connect
BODY MATERIAL	Stainless Steel 303
PRODUCT SERIES	Series 27
PRODUCT TYPE	Pneumatic Quick Couplings
PLATING TYPE	Without Surface Treatment
SLEEVE MATERIAL	Stainless Steel 303
HEX SIZE	24 mm
SEAL MATERIAL	FKM
OUTSIDE DIAMETER	27 mm
WEIGHT	0.1372 kg
COMPATIBLE FITTING	Series 27 Plug
FUNCTION	Single Shut-Off
VALVE TYPE	High Flow Valve
OPERATION TYPE	Sleeve
QUANTITY PER BOX	1
COUPLING HALF	Coupler
DIAMETER	10 mm (nominal)
INTERCHANGE TYPE	European Profile
VALVE INCLUDED	Yes