

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: 27KAIW13MPN
COUPLING HALF: Coupler
FUNCTION: Single Shut-Off
CONNECTION SIZE: G 1/4
BODY MATERIAL: Brass
CONNECTION TYPE: Female BSPP

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

PLATING TYPE	Nickel-Plated
REGION OF ORIGIN	Germany
COUPLING HALF	Coupler
CONNECTION TYPE	BSPP
TECHNOLOGY	Pneumatics
CONNECTION TYPE	Female
OUTSIDE DIAMETER	27 mm
FLOW RATE	31 L/min (water)
DIVISION	Low Pressure Connectors Europe Division
PRODUCT STYLE	Quick Connect
SEAL MATERIAL	NBR
VALVE INCLUDED	Yes
QUANTITY PER BOX	5
SLEEVE MATERIAL	Brass
OPERATION TYPE	Sleeve
FUNCTION	Single Shut-Off
FOR FLUID TYPE	Chemicals
VALVE TYPE	High Flow Valve
BODY MATERIAL	Brass
INDUSTRY	General Industrial
MAXIMUM OPERATING TEMPERATURE	212 °F
APPLICATION	Air & Gas Compressor
DIVISION	Low Pressure Connectors Europe Division
WEIGHT	0.1567 kg
FLOW RATE	2400 L/min (air)

MAXIMUM OPERATING TEMPERATURE	100 °C
HEX SIZE	24 mm
FOR FLUID TYPE	Air & Neutral Gases
PRODUCT SERIES	Series 27
BRAND	Parker
MAXIMUM OPERATING PRESSURE	507 psi
APPLICATION	Textile Machinery
BRAND	Rectus
MINIMUM OPERATING TEMPERATURE	-4 °F
CONNECTION SIZE	G 1/4
LENGTH	56 mm
COMPATIBLE FITTING	Series 27 Plug
FOR FLUID TYPE	Water
INTERCHANGE TYPE	European Profile
MAXIMUM OPERATING PRESSURE	35 bar
APPLICATION	Industrial Equipment
PRODUCT TYPE	Pneumatic Quick Couplings
MINIMUM OPERATING TEMPERATURE	-20 °C
DIAMETER	10 mm (nominal)
TECHNOLOGY	Fluid & Gas Handling