Parker Product Datasheet



Quick coupling system with nominal diameter 5 for fluid handling applications up to 10 bar. Coupling system with the world's most popular profile in this nominal diameter. Available made of thermoplastic - POM or PVDF.

PART NUMBER: 21KBIW13FVX
COUPLING HALF: Coupler
COLOR: Standard
CONNECTION SIZE: G 1/4
BODY MATERIAL: PVDF white
SLEEVE TYPE: Tapered Sleeve
CONNECTION TYPE: Female BSPP

PRODUCT OVERVIEW

Parker's Series 21 mini industrial coupling made of plastics POM and PVDF with the world's most popular profile in this nominal diameter. Above average flow performance for liquid and gaseous media. The coupling system is developed for single-hand operation. This new type of plastic locking system with handy sleeve considerably expands the applications of this series. Two different sleeve forms - tapered and cylindrical, where the tapered sleeve form facilitates handling with gloves. The color coding of the coupling and plug offers a guarantee for avoiding mix-ups between media when coupling.

Markets:
- Machinery Construction
- Automotive
- Life Science

- Process

Features/Benefits:
- Splash proof design - Plug is sealing prior to opening the valve.
- Available with straight or ergonomic sleeve for easy handling with gloves
- No mix-ups between media due to the color coding of coupling and plug
- Available as panel mount version (push pull version for integration into switching cabinet)
- Single-hand operation for easy and fast connection

Applications:
- Food and chemical processing
- Bio fluid transfer

TECH SPECIFICATIONS

LENGTH	39 mm
CONNECTION TYPE	BSPP
OPERATION TYPE	Sleeve
HOSE INSIDE DIAMETER	n/a mm
COMPATIBLE FITTING	Series 21 - Thermoplastic Plug
COLOR	Standard
DIVISION	Low Pressure Connectors Europe Division
APPLICATION	Suction / Vacuum
CONNECTION TYPE	Female
SLEEVE MATERIAL	PVDF
COUPLING HALF	Coupler
MINIMUM OPERATING TEMPERATURE	-4 °F
VALVE INCLUDED	Yes
REGION OF ORIGIN	Germany
OUTSIDE DIAMETER	25.5 mm

APPLICATION	Pneumatic
PRODUCT TYPE	Pneumatic Quick Couplings
VALVE TYPE	Standard Valve
SEAL MATERIAL	FKM
DIVISION	Low Pressure Connectors Europe Division
MAXIMUM OPERATING PRESSURE	8 bar
FUNCTION	Double Shut-Off
BODY MATERIAL	PVDF White
PRODUCT STYLE	Quick-Connect
APPLICATION	Media Transfer
HEX SIZE	17 mm
SLEEVE TYPE	Tapered Sleeve
MAXIMUM OPERATING PRESSURE	116 psi
TECHNOLOGY	Fluid & Gas Handling
PLATING TYPE	Without Surface Treatment
QUANTITY PER BOX	5.0
FLOW RATE	310 L/min (air)
BRAND	Parker
FOR FLUID TYPE	Chemicals (Paints, solvents, lubricants)
DIAMETER	5 mm (nominal)
INDUSTRY	Industrial manufacturing equipment
FLOW RATE	2.7 L/min (water)
BRAND	Rectus
FOR FLUID TYPE	Air & Neutral Gases (Industrial compressed, lubricated air, inert gases)
PRODUCT SERIES	Series 21 Thermoplastic
INTERCHANGE TYPE	European Profile

MAXIMUM OPERATING TEMPERATURE	120 °C
FOR FLUID TYPE	Coolants (Industrial coolants, water-glycol)
MAXIMUM OPERATING TEMPERATURE	248 °F
WEIGHT	0.012 kg
MINIMUM OPERATING TEMPERATURE	-20 °C
FOR FLUID TYPE	Technical Gases (Medical, analytical, anesthesic gases)
CONNECTION SIZE	G 1/4
FOR FLUID TYPE	Water (Industrial, drinking, treated water)