

Parker Product Datasheet



Quick coupling system with nominal diameter 7 for fluid handling applications up to 10 bar. Coupling system with Parker profile. Available made of thermoplastic - POM, PVDF or PVDF with peek spring.

PART NUMBER: 48KBIW13FVP
COUPLING HALF: Coupler
COLOR: Standard
BODY MATERIAL: PVDF (with PEEK spring)
CONNECTION SIZE: G 1/4
FUNCTION: Double Shut-Off
CONNECTION TYPE: Female BSPP

PRODUCT OVERVIEW

Parker's Quick Coupling Series 48 made of POM and PVDF has been developed for use in the medical, chemical, food handling, pharmaceutical and laboratory technology industries. The system is also available in a solid plastic design (RectuChem+). Here the metal springs are replaced by springs made of PEEK, an extremely resistant synthetic material.

The coupling system is developed for single-hand operation. The color coding of the coupling and plug offers a guarantee for avoiding mix-ups between media when coupling. The coupling is also available with no valve for a straight-through system.

Markets:

- Machinery Construction

- Automotive
- Process
- Life Science
- Industrial

Features/Benefits:

- Splash proof design - Plug is sealing prior to opening the valve.
- Only provider of a complete thermoplastic coupling (with PEEK spring)
- No mix-ups between media due to the color coding of coupling and plug
- Single-hand operation for easy and fast connection

Applications:

- Food and chemical processing
- Bio fluid transfer
- Thermal Management

TECH SPECIFICATIONS

INDUSTRY	Industrial manufacturing equipment
FLOW RATE	770 L/min (air)
PRODUCT SERIES	Series 48 Thermoplastic
SLEEVE MATERIAL	PVDF
FOR FLUID TYPE	Chemicals (Paints, solvents, lubricants)
FLOW RATE	12 L/min (water)
INTERCHANGE TYPE	Parker Profile
PRODUCT TYPE	Application Based Quick Couplings

DIAMETER	7 mm (nominal)
DIVISION	Low Pressure Connectors Europe Division
FOR FLUID TYPE	Air & Neutral Gases (Industrial compressed, lubricated air, inert gases)
BRAND	Rectus
FOR FLUID TYPE	Technical Gases (Medical, analytical, anesthetic gases)
FOR FLUID TYPE	Water (Industrial, drinking, treated water)
WEIGHT	0.0291 kg
BRAND	Parker
MAXIMUM OPERATING TEMPERATURE	120 °C
HEX SIZE	21 mm
BODY MATERIAL	PVDF White, with peek spring
OUTSIDE DIAMETER	26 mm
MINIMUM OPERATING TEMPERATURE	-20 °C
CONNECTION TYPE	Female
DIVISION	Low Pressure Connectors Europe Division
PRODUCT STYLE	Quick Connect
CONNECTION SIZE	G 1/4
PRODUCT TYPE	Pneumatic Quick Couplings
OPERATION TYPE	Sleeve
QUANTITY PER BOX	5.0
MAXIMUM OPERATING TEMPERATURE	248 °F
COLOR	Standard
PLATING TYPE	Without Surface Treatment
REGION OF ORIGIN	Germany

COUPLING HALF	Coupler
MAXIMUM OPERATING PRESSURE	116 psi
APPLICATION	Suction / Vacuum
VALVE INCLUDED	Yes
MINIMUM OPERATING TEMPERATURE	-4 °F
APPLICATION	Media Transfer
VALVE TYPE	Standard Valve
SEAL MATERIAL	FKM
CONNECTION TYPE	BSPP
LENGTH	63.5 mm
COMPATIBLE FITTING	Series 48 Plug
FUNCTION	Double Shut-Off
MAXIMUM OPERATING PRESSURE	8 bar
APPLICATION	Pneumatic
TECHNOLOGY	Fluid & Gas Handling
HOSE INSIDE DIAMETER	n/a