

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: 48KBIW17FVP
COUPLING HALF: Coupler
CONNECTION SIZE: G 3/8
COLOR: Standard
BODY MATERIAL: PVDF (with PEEK spring)
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

HOSE INSIDE DIAMETER	n/a
FOR FLUID TYPE	Air & Neutral Gases (Industrial compressed, lubricated air, inert gases)
PRODUCT STYLE	Quick Connect
OPERATION TYPE	Sleeve
SLEEVE MATERIAL	PVDF
FLOW RATE	770 L/min (air)
FOR FLUID TYPE	Technical Gases (Medical, analytical, anesthetic gases)

REGION OF ORIGIN	Germany
PRODUCT TYPE	Application Based Quick Couplings
INTERCHANGE TYPE	Parker Profile
CONNECTION SIZE	G 3/8
MAXIMUM OPERATING PRESSURE	8 bar
VALVE TYPE	Standard Valve
FOR FLUID TYPE	Chemicals (Paints, solvents, lubricants)
MINIMUM OPERATING TEMPERATURE	-20 °C
PRODUCT TYPE	Pneumatic Quick Couplings
VALVE INCLUDED	Yes
COLOR	Standard
APPLICATION	Suction / Vacuum
MINIMUM OPERATING TEMPERATURE	-4 °F
PRODUCT SERIES	Series 48 Thermoplastic
CONNECTION TYPE	BSPP
CONNECTION TYPE	Female
APPLICATION	Pneumatic
LENGTH	63.5 mm
TECHNOLOGY	Fluid & Gas Handling
HEX SIZE	21 mm
MAXIMUM OPERATING TEMPERATURE	248 °F
WEIGHT	0.029 kg
DIVISION	Low Pressure Connectors Europe Division
APPLICATION	Media Transfer
BRAND	Rectus

DIAMETER	7 mm (nominal)
FUNCTION	Double Shut-Off
MAXIMUM OPERATING PRESSURE	116 psi
MAXIMUM OPERATING TEMPERATURE	120 °C
INDUSTRY	Industrial manufacturing equipment
PLATING TYPE	Without Surface Treatment
COMPATIBLE FITTING	Series 48 Plug
BRAND	Parker
FLOW RATE	12 L/min (water)
FOR FLUID TYPE	Water (Industrial, drinking, treated water)
QUANTITY PER BOX	5.0
SEAL MATERIAL	FKM
OUTSIDE DIAMETER	26 mm
BODY MATERIAL	PVDF White, with peek spring
COUPLING HALF	Coupler
DIVISION	Low Pressure Connectors Europe Division