# 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:** 48SBIW17DPX
**COLOR:** Standard
**BODY MATERIAL:** POM black
**COUPLING HALF:** Plug
**CONNECTION TYPE:** Female BSPP
**FUNCTION:** Double Shut-Off
**CONNECTION SIZE:** G 3/8

## 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

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|---|---|
| **FOR FLUID TYPE** | Technical Gases (Medical, analytical, anesthesic gases) |
| **TECHNOLOGY** | Pneumatics |
| **MAXIMUM OPERATING PRESSURE** | 145 psi VLOOKUP(A6115,[1]Feuil7!$A:$D,4,FALSE) |
| **INTERCHANGE TYPE** | Parker Profile |
| **FUNCTION** | Double Shut-Off |
| **PRODUCT TYPE** | Application Based Quick Couplings |
| **FOR FLUID TYPE** | Air & Neutral Gases (Industrial compressed, lubricated air, inert gases) |

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| **SLEEVE MATERIAL** | Without Sleeve |
| **PRODUCT SERIES** | Series 48 Thermoplastic |
| **INDUSTRY** | Industrial manufacturing equipment |
| **MAXIMUM OPERATING PRESSURE** | 10 bar VLOOKUP(A6114,[1]Feuil7!$A:$D,4,FALSE) |
| **VALVE TYPE** | Standard Valve |
| **FLOW RATE** | 770 L/min (air) |
| **FLOW RATE** | 12 L/min (water) |
| **BRAND** | Parker |
| **MINIMUM OPERATING TEMPERATURE** | -4 °F |
| **TECHNOLOGY** | Fluid & Gas Handling |
| **FOR FLUID TYPE** | Chemicals (Paints, solvents, lubricants) |
| **MINIMUM OPERATING TEMPERATURE** | -20 °C |
| **HEX SIZE** | 21 mm |
| **APPLICATION** | Pneumatic |
| **PRODUCT TYPE** | Pneumatic Quick Couplings |
| **COMPATIBLE FITTING** | Series 48 Coupler |
| **MAXIMUM OPERATING TEMPERATURE** | 176 °F |
| **WEIGHT** | 0.011 kg |
| **CONNECTION TYPE** | Female |
| **APPLICATION** | Suction / Vacuum |
| **MAXIMUM OPERATING TEMPERATURE** | 80 °C |
| **COLOR** | Standard |
| **APPLICATION** | Media Transfer |
| **CONNECTION SIZE** | G 3/8 |

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|---|---|
| **FOR FLUID TYPE** | Water (Industrial, drinking, treated water) |
| **VALVE INCLUDED** | Yes |
| **LENGTH** | 48 mm |
| **BRAND** | Rectus |
| **DIAMETER** | 7 mm (nominal) |
| **DIVISION** | Low Pressure Connectors Europe Division |
| **PLATING TYPE** | Without Surface Treatment |
| **SEAL MATERIAL** | NBR |
| **OUTSIDE DIAMETER** | n/a |
| **CONNECTION TYPE** | BSPP |
| **DIVISION** | Low Pressure Connectors Europe Division |
| **HOSE INSIDE DIAMETER** | n/a |
| **PRODUCT STYLE** | Quick Connect |
| **BODY MATERIAL** | POM Black |
| **COUPLING HALF** | Plug |
| **REGION OF ORIGIN** | Germany |
| **QUANTITY PER BOX** | 10.0 |
| **OPERATION TYPE** | No Sleeve |