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: 48SFIW21DXX
CONNECTION SIZE: G 1/2
FUNCTION: Straight-Through
COLOR: Standard
COUPLING HALF: Plug
CONNECTION TYPE: Female BSPP
BODY MATERIAL: POM black

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

SEAL MATERIAL	Without Seal
BRAND	Rectus
APPLICATION	Suction / Vacuum
VALVE INCLUDED	No
PLATING TYPE	Without Surface Treatment
MAXIMUM OPERATING PRESSURE	10 bar VLOOKUP(A9235,[1]Feuil7!$A:$D,4,FALSE)
MINIMUM OPERATING TEMPERATURE	-20 °C

HEX SIZE	24 mm
PRODUCT STYLE	Quick Connect
WEIGHT	0.006 kg
CONNECTION SIZE	G 1/2
LENGTH	59 mm
COLOR	Standard
QUANTITY PER BOX	10.0
FOR FLUID TYPE	Water (Industrial, drinking, treated water)
REGION OF ORIGIN	Germany
PRODUCT TYPE	Pneumatic Quick Couplings
MAXIMUM OPERATING PRESSURE	145 psi VLOOKUP(A9236,[1]Feuil7!$A:$D,4,FALSE)
MAXIMUM OPERATING TEMPERATURE	176 °F
PRODUCT TYPE	Application Based Quick Couplings
OUTSIDE DIAMETER	n/a
CONNECTION TYPE	Female
MINIMUM OPERATING TEMPERATURE	-4 °F
MAXIMUM OPERATING TEMPERATURE	80 °C
FOR FLUID TYPE	Chemicals (Paints, solvents, lubricants)
SLEEVE MATERIAL	Without Sleeve
FOR FLUID TYPE	Air & Neutral Gases (Industrial compressed, lubricated air, inert gases)
TECHNOLOGY	Pneumatics
FOR FLUID TYPE	Technical Gases (Medical, analytical, anesthesic gases)
FLOW RATE	1100 L/min (air)
DIVISION	Low Pressure Connectors Europe Division

TECHNOLOGY	Fluid & Gas Handling
APPLICATION	Pneumatic
BRAND	Parker
PRODUCT SERIES	Series 48 Thermoplastic
BODY MATERIAL	POM Black
VALVE TYPE	Without Valve
APPLICATION	Media Transfer
INDUSTRY	Industrial manufacturing equipment
FLOW RATE	17 L/min (water)
DIVISION	Low Pressure Connectors Europe Division
OPERATION TYPE	No Sleeve
FUNCTION	Single Shut-Off
COMPATIBLE FITTING	Series 48 Coupler
INTERCHANGE TYPE	Parker Profile
DIAMETER	7 mm (nominal)
CONNECTION TYPE	BSPP
COUPLING HALF	Plug
HOSE INSIDE DIAMETER	n/a