

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: 48KBTF13FVX
COUPLING HALF: Coupler
COLOR: Standard
CONNECTION SIZE: 13 MM
FUNCTION: Double Shut-Off
BODY MATERIAL: PVDF (with metal spring)
CONNECTION TYPE: Hose Barb

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

REGION OF ORIGIN	Germany
COUPLING HALF	Coupler
VALVE TYPE	Standard Valve
SEAL MATERIAL	FKM
FOR FLUID TYPE	Air & Neutral Gases (Industrial compressed, lubricated air, inert gases)
BRAND	Rectus
APPLICATION	Media Transfer

HEX SIZE	21 mm
FOR FLUID TYPE	Water (Industrial, drinking, treated water)
CONNECTION SIZE	13 mm
MAXIMUM OPERATING PRESSURE	8 bar
APPLICATION	Pneumatic
FLOW RATE	770 L/min (air)
INTERCHANGE TYPE	Parker Profile
MINIMUM OPERATING TEMPERATURE	-20 °C
CONNECTION TYPE	Hose Barb
FLOW RATE	12 L/min (water)
LENGTH	84 mm
VALVE INCLUDED	Yes
PRODUCT TYPE	Application Based Quick Couplings
PRODUCT SERIES	Series 48 Thermoplastic
INDUSTRY	Industrial manufacturing equipment
MAXIMUM OPERATING TEMPERATURE	248 °F
COLOR	Standard
FOR FLUID TYPE	Chemicals (Paints, solvents, lubricants)
SLEEVE MATERIAL	PVDF
TECHNOLOGY	Fluid & Gas Handling
MINIMUM OPERATING TEMPERATURE	-4 °F
DIAMETER	7 mm (nominal)
WEIGHT	0.035 kg
DIVISION	Low Pressure Connectors Europe Division
PRODUCT TYPE	Pneumatic Quick Couplings

COMPATIBLE FITTING	Series 48 Plug
BRAND	Parker
FOR FLUID TYPE	Technical Gases (Medical, analytical, anesthetic gases)
APPLICATION	Suction / Vacuum
MAXIMUM OPERATING PRESSURE	116 psi
MAXIMUM OPERATING TEMPERATURE	120 °C
HOSE INSIDE DIAMETER	13 mm
PRODUCT STYLE	Quick Connect
FUNCTION	Double Shut-Off
QUANTITY PER BOX	5.0
OPERATION TYPE	Sleeve
DIVISION	Low Pressure Connectors Europe Division
OUTSIDE DIAMETER	26 mm
BODY MATERIAL	PVDF White, with metal spring
PLATING TYPE	Without Surface Treatment