

HYBRID SERIES CONNECTOR

Hybrid connectors integrate air lines, electrical connections and fluid lines into a single, compact connection point for remote tools on medical devices and equipment. Eliminating the potential for misconnecting tubing and wires, CPC™ Hybrid Connector platform options reduce multiple connections and allow clinicians or patients to quickly and easily change or replace modular tools, umbilicals or hand pieces.

Large Format Hybrid Connector – Now available with four times the flow capacity, this connector features multiple dry-break couplings and easy-to-use twist latch for secure, repeatable connection of multiple lines.

SPECIFICATIONS

PRESSURE:

Vacuum to 45 psi, 3.1 bar

TEMPERATURE:

32°F to 120°F (0°C to 49°C)

MATERIALS:

Non-wetted coupler components:

Glass-filled polypropylene

Wetted coupler components: Glass-filled polypropylene

Springs: Stainless steel

Electrical contacts: Gold-plated copper alloy

O-rings: EPDM

Fluid tubing: Polyurethane (PU)

Umbilical tubing: PVC

COLOR: Gray

TERMINATIONS:

Panel: Two 1/8" (3.2 mm) hose barbs on panel and four 20 ga wires with 12" (304.3 mm) pigtail

Umbilical Hose: 8' (2.44M) umbilical with two 1/8" (3.2 mm) ID PU tubing and four 20ga wires with 3" (76.2 mm) pigtail

NUMBER OF FLUID LINES: 2

ELECTRICAL SPECIFICATIONS

Voltage: Up to 24VDC

Current: Up to 3 Amps

Wire gauge: 20AWG

Number of contacts: 4

FEATURES

Single connection point for pneumatic, fluid, and power connections between a device and its tool/hand piece

Non-spill shutoff valves with dry-break technology

Turnkey solution

Off-the-shelf assembly

Custom options available

BENEFITS

Makes systems data more user friendly

Eliminate fluid drips upon disconnect and minimize air inclusion

Reduces multiple components

Minimizes engineering design and manufacturing effort

Flexibility to add additional fluid connector or electrical contacts



cpcworldwide.com/Hybrid-connector



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HYBRID SERIES DIMENSIONS

COUPLING HOSE - Polypropylene

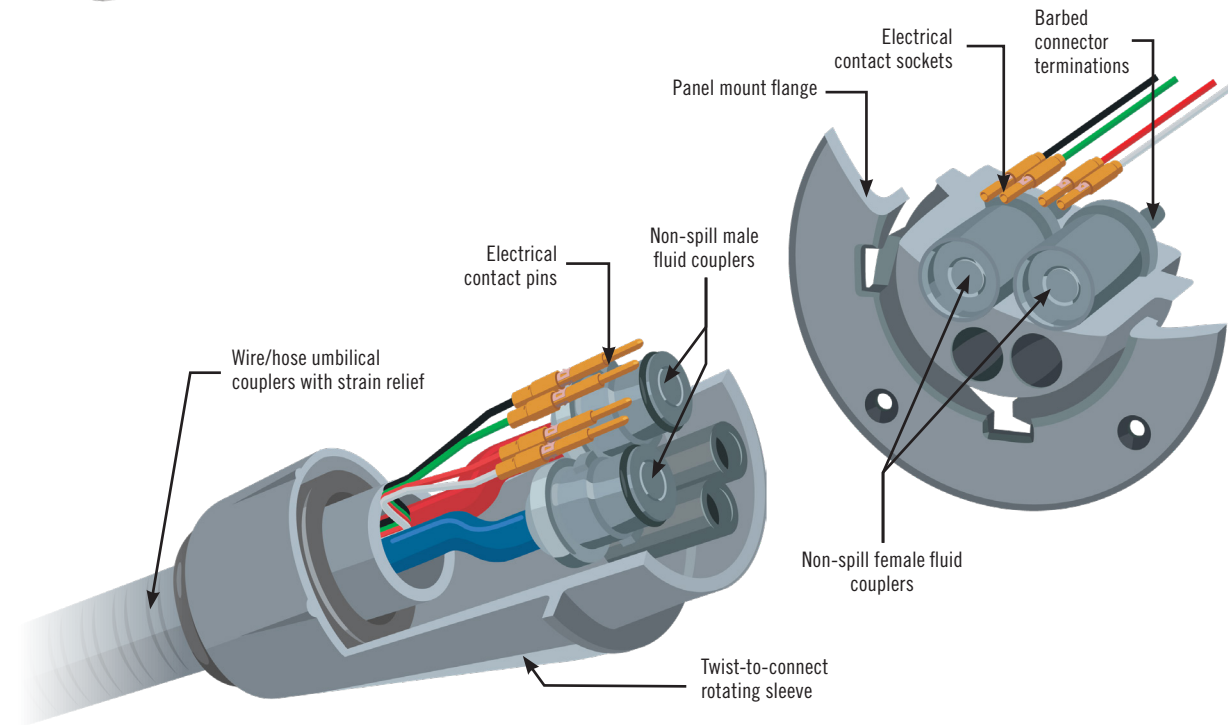


CONFIGURATION	FLOW PATHS	PART NO.	COLOR	A	B	C	D
HOSE	1/8" ID (3.2 mm)	HQC17002	GREY	2 (50.8)	2.8 (71.1)	3 (76.2)	8 (203.2)

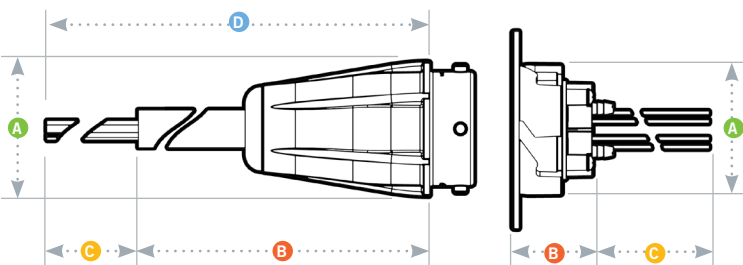
COUPLING PANEL - Polypropylene



CONFIGURATION	FLOW PATHS	PART NO.	COLOR	A	B	C
PANEL MOUNT	1/8" ID (3.2 mm)	HQC42000	BLACK	1.96 (49.8)	1.12 (28.4)	12 (304.8)
	1/8" ID (3.2 mm)	HQC42001	GREY	1.96 (49.8)	1.12 (28.4)	12 (304.8)



PRODUCT DIMENSIONS



A = Height/Diameter B = Total Length C = Pigtail D = Umbilical

PANEL DIMENSIONS

