

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's 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.

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

Increases safety and 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

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" (3.2mm) hose barbs on panel and four 20 ga wires with 12" (304.3mm) pigtail

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

NUMBER OF FLUID LINES: 2

ELECTRICAL SPECIFICATIONS

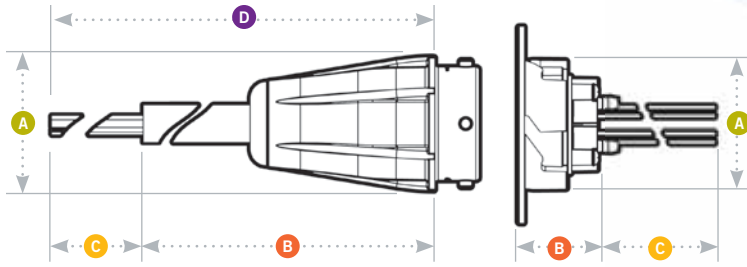
Voltage: Up to 24VDC

Current: Up to 3 Amps

Wire gauge: 20AWG

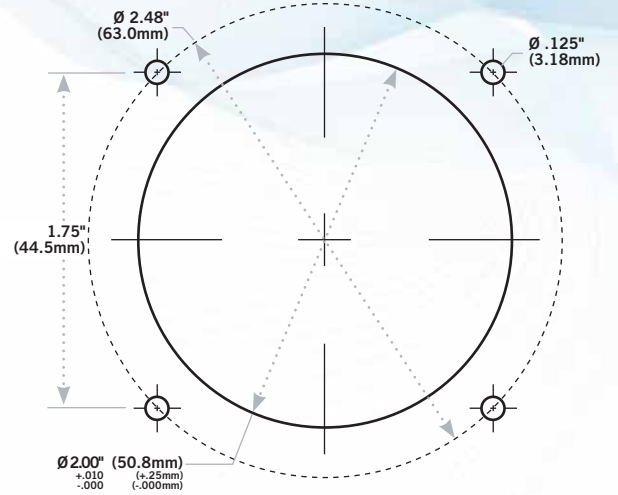
Number of contacts: 4

HYBRID SERIES DIMENSIONS



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

Panel Dimensions



Coupling Hose • POLYPROPYLENE



CONFIGURATION HOSE	FLOW PATHS 1/8" ID (3.2mm)	PART NO. HQC17002	A 2.00	B 2.80	C 3.00	D 8.00
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Coupling Panel • POLYPROPYLENE



CONFIGURATION PANEL MOUNT	FLOW PATHS 1/8" ID (3.2mm)	PART NO. HQC42001	A 1.96	B 1.12	C 12.00	D
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