



Life Sciences

USD 2325⁽¹⁾



Kleenpak™ HT Connector

For convenient and secure sterile connection of flexible nominal tubing

Filtration. Separation. Solution.SM

Kleenpak™ HT Connector

For convenient and secure sterile connection of flexible nominal tubing



Description

The disposable, **Kleenpak** connector allows for the dry connection of two separate fluid pathways, while maintaining the sterile integrity of both. The connector consists of a male and a female connector, each covered by a vented peel away strip that protects the port and maintains the sterility of the sterile fluid pathway. Different connector options are available to allow for the connection of 13 mm (½ in.), 9.6 mm (⅜ in.) or 6 mm (¼ in.) nominal tubing. **Kleenpak** connectors can either be autoclaved up to 130 °C (266 °F) or Gamma sterilized.

Applications

- Transfer of inoculums to reactors
- Sampling during fermentation or cell culture
- Connection of small sterile equipment to large equipment (e.g. bioreactors)
- Handling of bulk material in a non-sterile environment
- Connection from tank to filling line
- Connection to a disposable system

Benefits

- No capital equipment required
- Connection is made in seconds
- Connector can be autoclaved or Gamma sterilized
- Easy to make connection – even in cramped environment
- Maintains a sterile fluid pathway upon activation of device
- Peel-away strip maintains sterility until ready to use
- Vented to allow steam penetration and

to prevent tubing collapse after autoclaving

- Shape coding ensures proper alignment
- Locking mechanism prevents incorrect assembly
- Device makes audible click when engaged
- Permanent connection for security – cannot be re-opened

Quality Standards

- Manufactured under clean conditions in a controlled environment
- Manufactured under a Quality Management System certified to ISO 9001
- Supplied with a Certificate of Test confirming the quality standards and quality control tests performed by Pall (including endotoxin and particulate tests)
- Validation tests include
 - ◆ Burst
 - ◆ Creep-rupture
 - ◆ Tensile strength
 - ◆ Spore challenge (“soiling”) test
 - ◆ Closure integrity
 - ◆ Water flow characteristics
 - ◆ Extractables
 - ◆ Autoclave

The fluid path materials of construction meet

- Biological Reactivity Tests *in vivo* for Class VI-121°C Plastics
- USP Physicochemical Tests for plastics.



Kleenpak™ HT Connector

Technical Specifications

Materials of Construction

Connector body ¹	Polycarbonate
Plunger	Polycarbonate
Rubber grommets	Thermoplastic elastomer
Adaptors ¹	Polycarbonate with TiO ₂
O-ring	Internally lubricated ethylene propylene
Protective cap	Polypropylene
Peel-away strip	Hydrophobic polyethersulfone
Anti-actuation ring	Elastomer

¹ Fluid path

Aqueous Extractables (NVR)

Water at 20 – 25 °C (68 – 77 °F) after autoclaving at 130 °C (266 °F)

Typically < 1 mg

Sterilization Methods

Consult with Pall Corporation on sterilization methods

Gamma irradiation	Maximum 50 kGy
Autoclave	30 minutes at 130 °C (266 °F)

Operating Conditions

Maximum operating pressure and temperature	3 bar (43.5 psi) at 40 °C (104 °F)
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Dimensions (Nominal)

	¼ in. Hose Barb	⅝ in. Hose Barb	½ in. Hose Barb
Male	KPCHT02M7	KPCHT02M10	KPCHT02M6
Female	KPCHT02F7	KPCHT02F10	KPCHT02F6
Internal diameter	5.5 mm (0.22 in.)	8.2 mm (0.32 in.)	12.2 mm (0.48 in.)
Length when actuated	173 mm (6.8 in.)	173 mm (6.8 in.)	123 mm (4.8 in.)
Female connector length with cap	80 mm (3.2 in.)	80 mm (3.2 in.)	55 mm (2.17 in.)
Maximum diameter of female connector	38 mm (1.48 in.)	38 mm (1.48 in.)	38 mm (1.48 in.)
Male connector length with cap	125 mm (4.92 in.)	125 mm (4.92 in.)	100 mm (3.94 in.)
Maximum diameter of male connector	38 mm (1.48 in.)	38 mm (1.48 in.)	38 mm (1.48 in.)

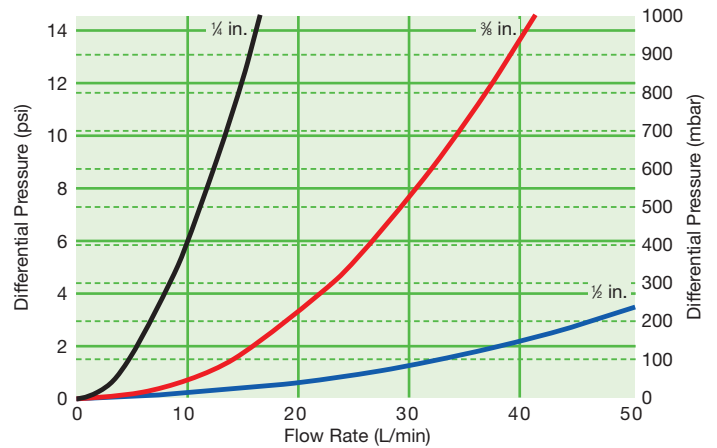
Specifications and availability: The information provided is a guide to the part number structure and possible options. Product availability may be subject to change without notice. All specifications are nominal. This literature was reviewed for accuracy at the time of publication. For current information on the product and test methodologies, consult your local Pall distributor.

Ordering Information²

Part Number	Description	Quantity
KPCHT02F6	Female connector with 13 mm (½ in.) hose barb	25 per box, double bagged
KPCHT02M6	Male connector with 13 mm (½ in.) hose barb	25 per box, double bagged
KPCHT02F7	Female connector with 6 mm (¼ in.) hose barb	25 per box, double bagged
KPCHT02M7	Male connector with 6 mm (¼ in.) hose barb	25 per box, double bagged
KPCHT02F10	Female connector with 9.6 mm (⅝ in.) hose barb	25 per box, double bagged
KPCHT02M10	Male connector with 9.6 mm (⅝ in.) hose barb	25 per box, double bagged
KPCAID01A	Assembly Aid	1 per box

² This is a guide to the part number structure only.

Flow/Differential Pressure



Connections (Male and Female)

6 mm (¼ in.) hose barb

9.6 mm (⅝ in.) hose barb

13 mm (½ in.) hose barb

1 bar = 10⁵ KPa





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Because of developments in technology these data or procedures may be subject to change. Consequently we advise users to review their continuing validity annually.

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