



Life Sciences

USD 2389



Pall GBK Containment Systems

Flexible Protection for Filter Change-Out

Filtration. Separation. Solution.SM

Pall GBK Containment Systems

Flexible Protection for Filter Change-Out

Pall GBK containment systems provide easy-to-use, enhanced containment during filter change-out operations.

The containment system combines specially designed filter housings and glove bags that seal together, shielding the operator and the surrounding environment from undesirable exposure to harmful liquids and particulates (eg. actives, catalysts).

The operator is easily able to introduce replacement filter cartridges into the glove bag via a zippered feed-in sleeve, and then remove the used/spent filter cartridges via a feed-out sleeve using the glove bag's sensitive nitrile gloves.

The GBK containment system is based upon well-established Pall housing ranges, which have been modified to take the specially designed glove bags.

GBK glove bags have been designed by experts with over 20 years experience of containment practices in Active Pharmaceutical Ingredient (API) facilities to provide the optimum combination of efficacy, convenience and value. GBK glove bags are available with sealed sleeves to provide solutions for more critical applications or with feed-in sleeves to provide solutions where greater operational flexibility is required.

Features and Benefits

- Easy to install and to implement into existing process
- GBK systems provide flexible economical containment for filter change-out
- Operator friendly handling / manipulation (typically, a trained operator can perform a complete filter cartridge change-out in 90 to 120 seconds)
- Enhanced containment. Independent tests have demonstrated that GBK systems have good ergonomics and are capable of containing a placebo material to $1\mu\text{g}/\text{m}^3$
- PATK series housings provide a compact and robust housing design for Code 7 cartridges and are ideal for API applications
- Two standard glove bag designs are available to suit most requirements
- GBK nitrile gloves have a cuff and elastic ring sealing mechanism with the glove bags and may be easily replaced by alternative site standards if required
- GBK glove bags have a built-in HEPA filter to prevent condensation

- Pall will provide technical support including operator training if required
- GBK systems based on other housings and glove bag designs are possible. Please contact Pall for details



PATK Housing

Specifications

GBK Glove Bags

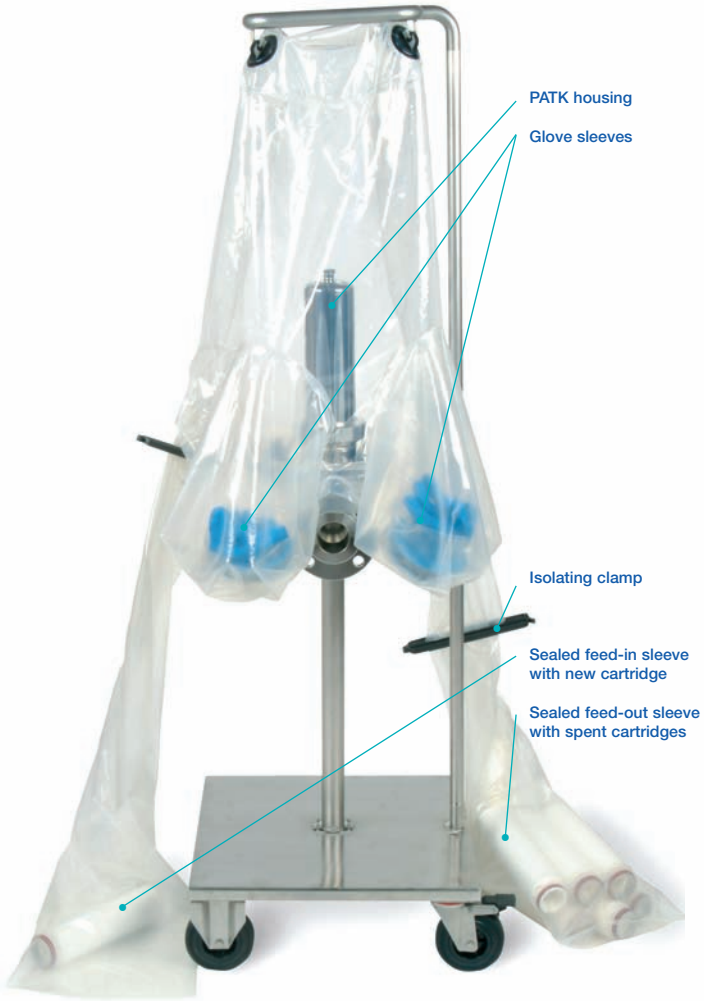
Material	Antistatic Polyurethane (PU) or Antistatic PVC
Material Thickness	Antistatic PU 0.25 mm / 0.010" Antistatic PVC 0.3 mm / 0.012"
Material Tensile Strength	Antistatic PU 44816kPa, Antistatic PVC 20685-29648 kPa. Can withstand light impact.
Maximum Working Temperature	PU 93°C / 199°F, PVC 55°C / 131°F
Conductivity	Antistatic PU $10^{11}\Omega\cdot\text{m}$, Antistatic PVC $10^8\text{-}10^9\Omega\cdot\text{m}$
Compatibility	Refer to standard material compatibility tables
Acceptable Cleaning Agents	Most alcohols, acetone, ethyl acetate

GBK P Series Housing PATK - Available for 254 mm / 10 inch cartridges

Pipe Connections	1 or 2 inch ANSI or DIN flanges (all other connections available on request)
Maximum Operating Pressure	-1** to 16 bar g / -14.5** to 232 psi g
Materials of Construction	AISI 316L stainless steel
Surface Finish (internal and external)	Electropolished $\text{RA}<0.8\mu\text{m} / 32\mu\text{in}$ (typical)
Dimensions	
Typical minimum height clearance required above pipe work connections	1000 mm
Typical minimum working space around the centre point of the housing	1250 mm

** Full vacuum

Pall GBK Containment Systems

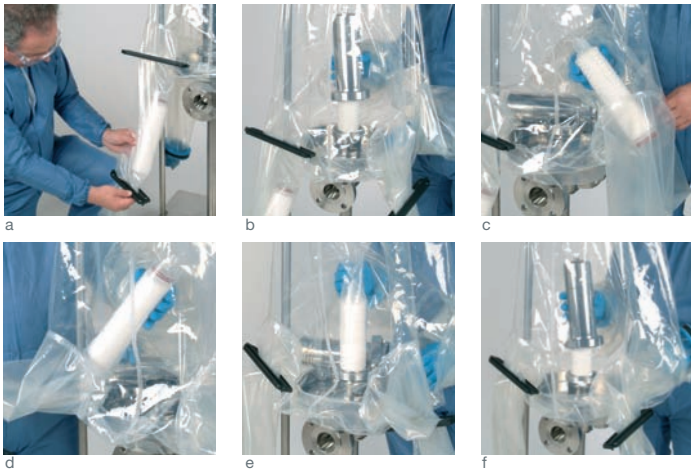


GBK Containment System showing GBK C1S style glove bag with sealed feed-in and sealed feed-out trash sleeve

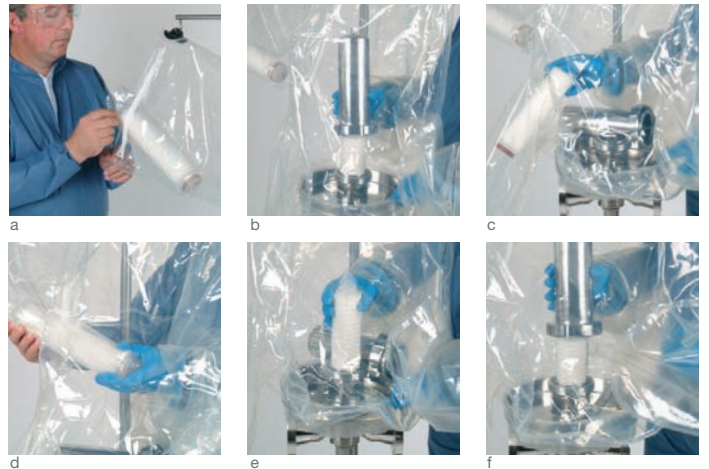


GBK Containment System showing GBK C1FI style glove bag with zippered feed-in and sealed feed-out trash sleeve

Change-out with sealed sleeves



Change-out with zippered feed-in sleeve



Pall GBK Containment Systems - Ordering Information

GBK Bag With Sealed Sleeves for change-out of 254 mm / 10 inch cartridge filters

GBK1S

Code

U Antistatic polyurethane

V Antistatic PVC

GBK Glove Bag With Zippered Feed-In Sleeve for change-out of 254 mm / 10 inch cartridge filters

GBK1FI

Code

U Antistatic polyurethane

V Antistatic PVC

Housing Complete Assembly

PATK11G J

Code

17 1 inch ANSI flange

35 1 inch DIN flange

33 2 inch ANSI flange

54 2 inch DIN flange

Bowl Only Version* BATK11G

* Pall can also supply just the filter housing bowl (from the lower closure up) with the glove bag sealing mechanism to convert existing PAT housings to a GBK containment system.

Assumes working space around housing is available to accommodate glove bag change-out.

The diameter of working space around the centre point of the housing should ideally be 1250 mm.



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New York - USA

+1 516 484 5400 phone

+1 516 801 9548 fax

pharmafilter@pall.com e-mail

Portsmouth - Europe

+44 (0)23 9230 3303 phone

+44 (0)23 9230 2506 fax

BioPharmUK@europe.pall.com e-mail

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