

GRAYLING AVAIL GLOVEBAG SYSTEM FOR ASBESTOS REMOVAL



The Choice of Professionals
1 selling bag in asbestos abatement



GRAYLING INDUSTRIES, INC.

1008 Beach Drive, Alameda, CA 94501

Avail leads the glovebag industry with superior service.

Value...

Grayling's Avail glovebags have been used to remove more than 26 million linear feet of pipe insulation. That's more than any other competitor and enough to stretch from New York to Los Angeles and back!

It's no wonder Avail is the glovebag line most used by asbestos abatement professionals. Grayling has designed a line of glovebags with built-in features which make them the most labor efficient in the industry. The safety professional's and contractor's choice of Avail is proof that value cannot be measured by cost alone. Real value is determined by how well the product performs on the job and how efficiently your workers perform as a result. Workers have found the Avail line as much as 30% more efficient than conventional glovebags.



Fitted collars allow you to attach the glovebags quickly and easily, with no "bunching" of the bag where it attaches to the pipe. Pre-cut tops eliminate awkward measuring and cutting labor on the job.

Selection...

Grayling offers 15 models of standard Avail glovebags, from extended runs, or single use to specialty applications. Designs are available to accommodate horizontal, vertical, large and small diameter pipes. And if there's not a standard glovebag for your application, Grayling can custom design a product specifically for you. No other manufacturer can offer you the selection this industry demands.



Entry ports allow safe, fiber-tight attachment of the HEPA vacuum and wetting/encapsulant wand without damaging the integrity of the bag.

"The impact on resources when a project uses a negative-pressure walk-in enclosure versus glovebags can be considerable. The Deputy Assistant Secretary for Facilities has compared the cost of asbestos removal projects using glovebags against projects using enclosures and has found considerably greater costs associated with the latter methodology."

Ronald E. Ray
Agency Safety & Health Official
Department of Veteran Affairs

"Vulcan Chemicals has employed the use of glovebags during asbestos abatement practices and have found that their use constitutes a reliable engineering practice."

Bradford T. Clement
Health and Safety Coordinator
Vulcan Chemicals
Birmingham, Alabama

th value, selection, quality

Quality...

Only the highest quality raw materials are converted into Avail glovebags on state-of-the-art manufacturing equipment. Then, the most stringent quality control system in the industry is employed to ensure zero defects. First, raw materials are inspected for gauge tolerance, clarity, dimensions, and strength. At the sub-assembly stage, a 100% in-line inspection checks seal integrity on all components; glove sleeve, collar and side seals. A random sampling at this point checks for strength and assembly defects. During final assembly, a second 100% in-line inspection checks all seals. And finally, a random sampling of finished product is inspected according to Mil-Std 105. All combined, these checkpoints result in a consistently superior product that performs without fail.



The exclusive Grayling FiberGuard glovesleeve ensures an airtight seal at this critical point. Latex work gloves are extra large and flock lined for comfort and ease of use.

Superior Performance...

Avail glovebags include exclusive design features that save you money. **Fitted Collars** allow you to attach the glovebag quickly and easily, with no "bunching" of the bag where it attaches to the pipe. **Pre-Cut Tops** eliminate awkward measuring and cutting labor on the job. **Entry Ports** allow safe, fiber-tight attachment of the HEPA vacuum and wetting/encapsulant wand. The exclusive Grayling **FiberGuard GloveSleeve** ensures an air-tight seal at this critical point. **Latex Work Gloves** are extra large and flock lined for comfort and ease of use. A **Tool Pouch** is positioned for quick and easy access. And finally, our special bag design allows excessive debris to collect in the bottom of the bag without fear of bursting a seam.



The large drop-in tool pouch is conveniently located for quick access.



"I swear by Avail extended-run glovebags because they save labor and reduce fiber counts on the job. My labor savings have been as high as 50% over conventional single-use glovebags and that makes a huge difference in my ability to bid competitively and profitably. It's the right tool for the job."

Mike Passino
President
Northern Insulation, Inc.
Indian River, Michigan

FOR YOUR LOCAL DISTRIBUTOR

Avail Glovebags for Extended Run Pipe Sections

The revolutionary way to tackle extended runs of pipe insulation. Pioneered by Grayling Industries, extended run glovebags dramatically increase productivity and safety by eliminating multiple bag set-up time and reducing jobsite fiber counts. Used in sections of 2 to 25 chambers at a time, professional abatement crews use extended runs for increased speed, efficiency and safety in large scale removal jobs. Each model's chamber area has all the features which have made Avail the number one glovebag in the industry, from our 4460 EXT for small pipe to the 6684-2EXT for large pipe. The set-up time for extended runs is considerably less than single-use bags, with the savings increasing with the size of the job. Conveniently packaged on a roll for dispensing ease on the job.

4460 EXT

The basic Avail extended run glovebag. This economy model enjoys all the features of the Avail line except the entry ports. Encloses pipe insulation diameters up to 8", and can safely contain anywhere from 6.3' to 91' of horizontal pipe. Each of the 25 chambers measures 44" x 60" allowing you to cut off as many or as few as you need. One arm set per chamber, stocked in 6 mil and available in 10 mil special order.

5460 EXT

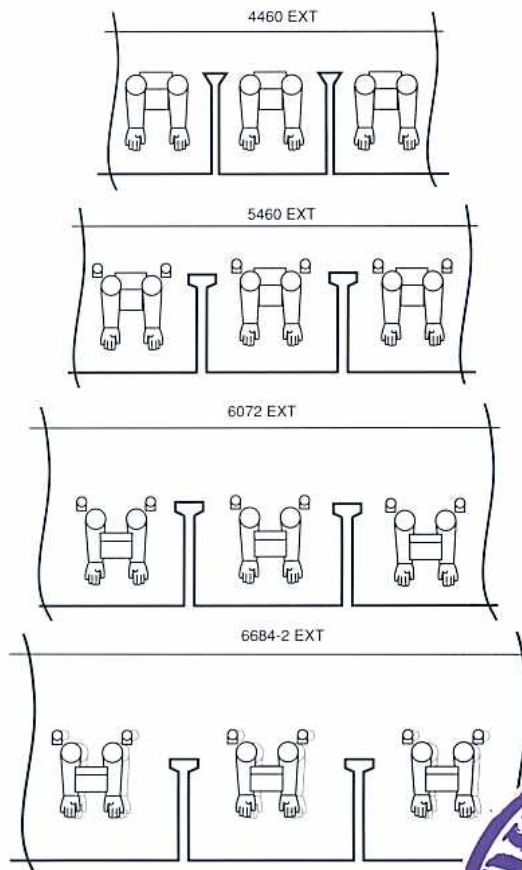
The full featured Avail extended run glovebag that set the industry standard for efficiency. Encloses pipe insulation diameters up to 10", and can safely contain anywhere from 8' to 112' of horizontal pipe. Each of the 25 chambers measures 54" x 60", allowing you to cut off as many or as few as you need. One arm set per chamber, stocked in 6 mil and available in 10 mil special order.

6072 EXT

The workhorse for extended runs of larger pipe. Encloses pipe insulation diameters up to 14", and can safely contain anywhere from 8.5' to 100' of horizontal pipe. Each of the 20 chambers measures 60" x 72", allowing you to cut off as many or as few as you need. One arm set per chamber, stocked in 6 mil and available in 10 mil special order.

6684-2 EXT

The extended run model that eliminates awkward bag twisting to reach difficult areas with two arm sets per chamber that allow work from either side of the pipe. Encloses pipe insulation diameters up to 18", and can safely contain anywhere from 9' to 82' of horizontal pipe. Each of the 15 chambers measures 66" x 84", allowing you to cut off as many or as few as you need. Stocked in 6 mil and available in 10 mil special order.



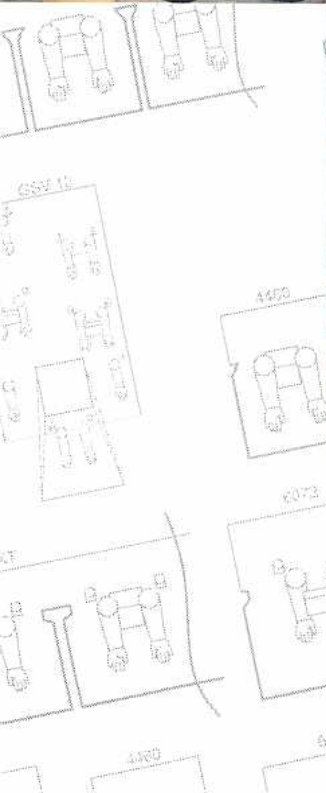
"We have found Avail extended-run glovebags to be the most cost effective method for removing insulation from pipes with as much as 30% labor savings over conventional single-use glovebags. A recent job with 20,000 square feet of pipe insulation was completed by 10 workers in 9 days and 20% under bid using the Avail extended-run and custom designed glovebags by Grayling."

Joe Rizzo
General Manager
Asbestos Free, Inc.

FOR YOUR LOCAL DISTRIBUTOR

6072

5460



72120-2

Avail Glovebags for Short Pipe Sections

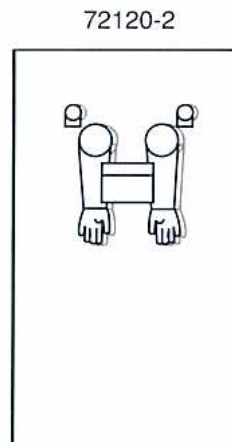
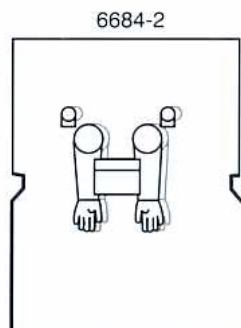
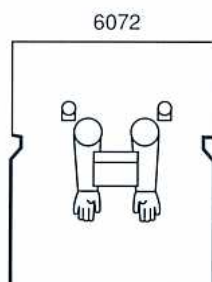
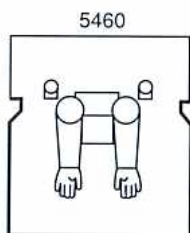
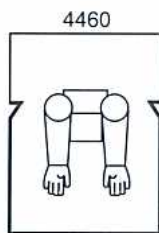
The traditional, single-use glovebag that revolutionized the industry with Grayling labor saving features. Smart design details such as quick attach collars, HEPA/water entry ports, FiberGuard glovesleeves and arm openings placed so the weight of debris doesn't rest on the worker make these bags the choice of abatement professionals.

4460

The basic Avail glovebag perfect for small-scale, short-duration jobs or simple maintenance tasks. This economy model enjoys all the features of the Avail line except the entry ports. Each chamber measures 44" x 60" which encloses pipe insulation diameters up to 8", and can safely contain a 2.7' horizontal work area. One arm set per chamber, stocked in 6 mil and available in 10 mil special order.

5460

The Avail glovebag that raised the industry standard for efficiency and ease of use. This full featured "contractors bag" measures 54" x 60" which encloses pipe insulation diameters up to 10", and can safely contain a 3.5' horizontal work area. One arm set per chamber, stocked in 6 mil and available in 10 mil special order.



6072

Larger pipes require glovebags with expanded work areas, the Avail 6072 is your answer. The chamber measures 60" x 72" which encloses pipe insulation diameters up to 14", and can safely contain a 3.5' horizontal work area. One arm set per chamber, stocked in 6 mil and available in 10 mil special order.

6684-2

This glovebag eliminates awkward bag twisting to reach difficult areas with two arm sets per chamber that allow work from either side of the pipe. Encloses pipe insulation diameters up to 18", and can safely contain a 3.5' horizontal work area. Stocked in 6 mil and available in 10 mil special order.

72120-2

This super-sized model is for even larger pipes, valves or other unique situations where smaller, standard bags just don't fit the task. Two arm sets per chamber allow unencumbered work all around the pipe. Encloses pipe insulation diameters up to 30", and can safely contain a 3.5' horizontal work area. Stocked in 6 mil and available in 10 mil special order.

"The Air Force is committed to a major effort to manage asbestos, and we have found the glovebag to be the workhorse for conducting the day-to-day asbestos projects required to operate and maintain a large physical plant."

Gary D. Vest
Deputy Assistant Secretary
Department of the Air Force
Department of Defense
United States of America
Washington, DC



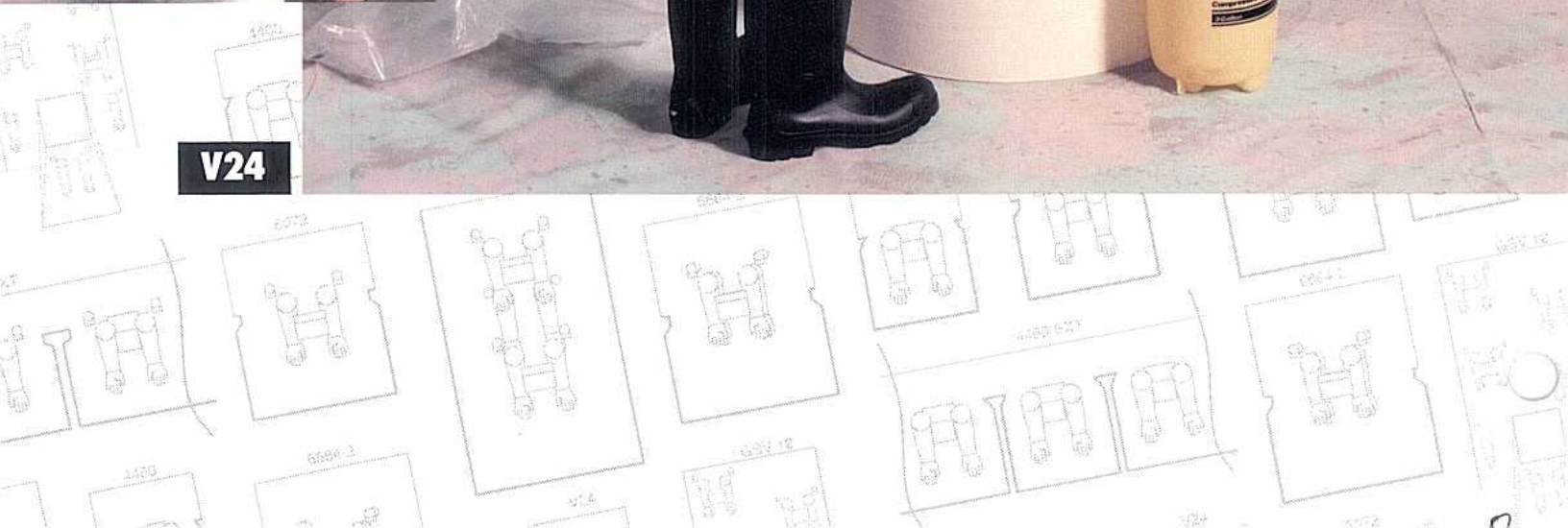
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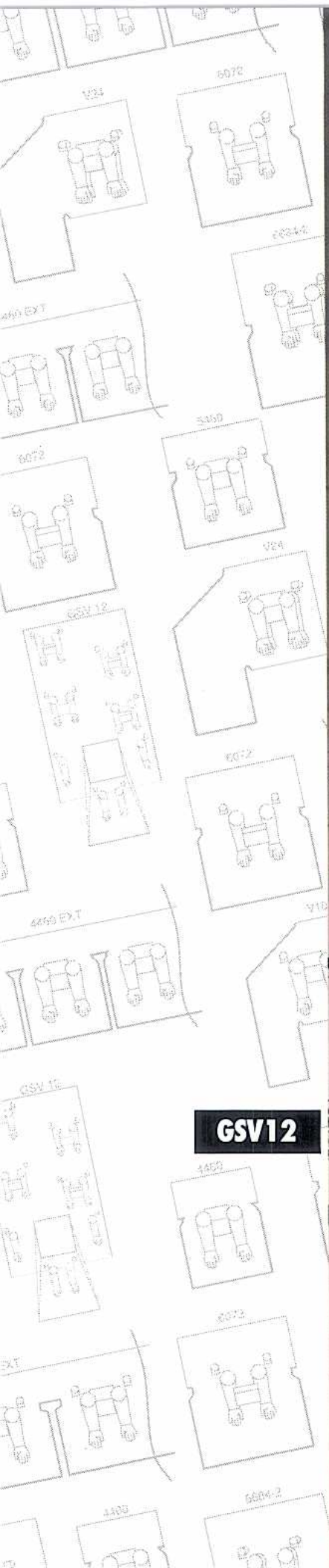


V10



V24





GSV12



Avail Glovebags for Vertical Pipe Sections

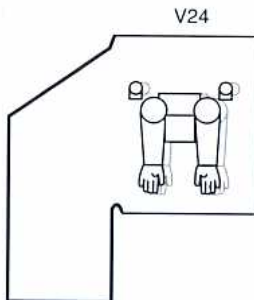
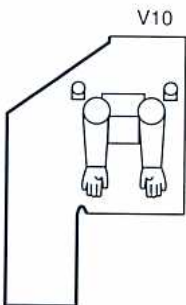
Vertical pipe applications require more than a typical horizontal bag with vertical glovesleeves. Avail vertical models solve worker productivity problems by offering features which assist in the removal process. Debris weight and bulk is channeled away from the work area by the offset debris chamber. Awkward twisting and turning of the bag is eliminated due to the work area separation from the debris area. Installation is quick and simple with the fitted collars and pre-cut bag opening. The Avail vertical glovebag is the right product for the job.

V10

The Avail glovebag that set the industry standard for work on vertical pipe. Encloses pipe insulation diameters up to 10", and can safely contain a 3.5' vertical work area. One arm set per chamber, stocked in 6 mil and available in 10 mil special order.

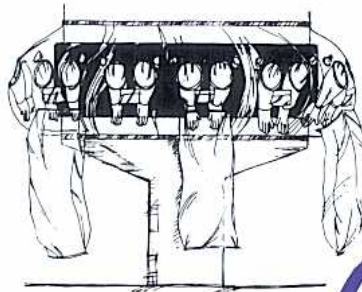
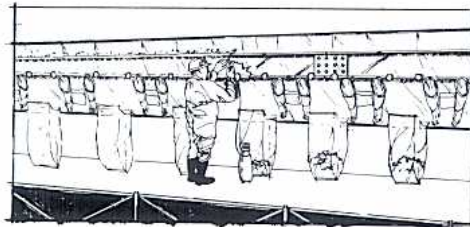
V24

Perfect for larger diameter vertical pipes that need two workers to reach around the insulation. Two arm sets per chamber eliminate awkward bag twisting to reach difficult areas. Encloses pipe insulation diameters up to 24", and can safely contain a 3.5' vertical work area. Stocked in 6 mil and available in 10 mil special order.



Avail Glovebags for Custom Applications

Let our product design engineers fabricate a custom Avail glovebag for your special application. Our unique manufacturing capabilities allow us to supply you with a product engineered exactly for your job. For example, we have designed and manufactured glovesheet enclosures for elevator shafts, refinery tanks and towers, boilers and structural beams, eliminating the need for costlier walk-in containment. By working together we can design an Avail glovebag which will make the winning difference in bid situations and make you more profitable.



"...our experience indicates that (glovebags) are an effective control measure...the use of glovebags is ideal for use on elevated pipes, such as coal pipes in power plants, that may be inaccessible by means of scaffolding and equally difficult to enclose."

Grace Gagnet, C.S.P.
Corporate Safety
Gulf Power Company
Pensacola, Florida

FOR YOUR LOCAL DISTRIBUTOR

Avail Glovebags for Special Applications

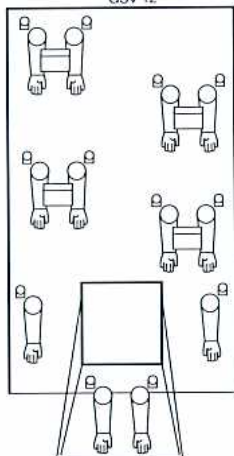
Grayling understands that not all pipes fit neatly into horizontal or vertical categories. Our line of special application Avail glovebags fit those pipes that sometime defy description.

2230

This one-arm Avail glovebag is designed specifically for maintenance activities on valve gaskets. Each chamber measures 22" x 30" which encloses valves and pipe insulation diameters up to 6", and can safely contain a .8' work area. One right handed glovesleeve per chamber, available in 6 mil.

GSV 12

This vertical glovesheet is designed for floor-to-ceiling applications and is very popular with contractors who fabricate their own mini-enclosures. In addition to pipe insulation, this product has been used on ductwork and beams. Several units can be attached together using spray adhesive and tape to configure the product into glovewalls. The debris area is offset from the glovesheet. Flat glovesheet dimensions are 8' x 15'. Encloses insulation diameters up to 12", and can safely contain 12' or vertical work area. Six arm sets per unit. Stocked in 6 mil and available in 10 mil special order.



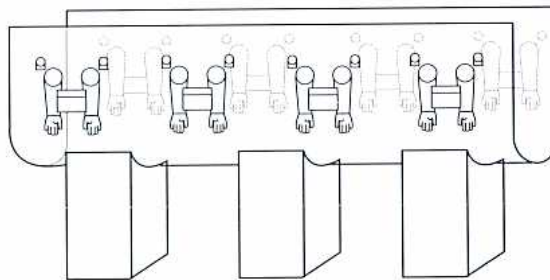
GSH 620-8-3

Designed for large horizontal ducts, beams and pipe. This mini-enclosure allows workers to safely contain awkwardly sized insulation surfaces. Eight arm sets per unit make all surfaces in containment easily accessible. Three debris chambers/chutes channel waste away from the work area. Flat glovesheet dimensions are 20' x 12', folded dimensions are 20' x 6' which enclose duct, beam and pipe insulation diameters up to 30", and can safely contain a 18' horizontal work area. Stocked in 6 mil and available in 10 mil special order.

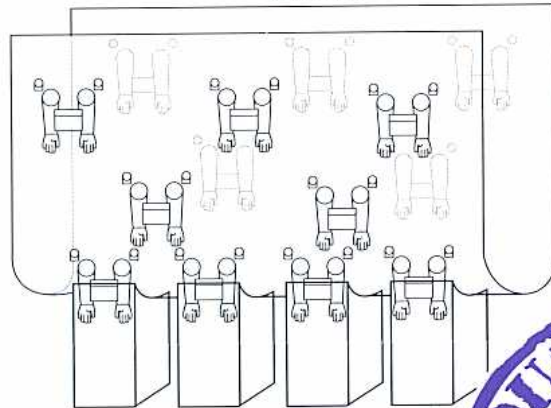
GSH 1220-14-4

This extra large glovesheet enclosure is perfect for large ducts, beams, pipes and boilers. Fourteen arm sets per unit make all surfaces in containment easily accessible. Four debris chambers/chutes channel waste away from the work area. Flat glovesheet dimensions are 20' x 24', folded dimensions are 20' x 12' which enclose insulation diameters up to 72", and can safely contain a 18' horizontal work area. Stocked in 6 mil and available in 10 mil special order.

GSH 620-8-3



GSH 1220-14-4



"(glovebags) provide a solution to the problem of establishing negative-pressure containments for stripping operations involving pipe where the configuration of the environment often makes the establishment of a negative-pressure enclosure impractical and burdensome."

Rose Ann Simpson
Industrial Hygienist
The Lubrizol Corporation
Wickliffe, Ohio



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CALL 1-800-405-1551

Avail Glovebags Specifications

Model #	Item #	Work Area	Pipe Diameter	Mil	Quantity	Glove Assembly	Pipe Design	Collars	Entry Ports
4460 EXT	0164460256	6.3'-91'	up to 8"	6	25 chambers	25 sets	horizontal	yes	no
	01644602010	6.3'-73'	up to 8"	10	20 chambers	20 sets	horizontal	yes	no
5460 EXT	0165460256	8'-112'	up to 10"	6	25 chambers	25 sets	horizontal	yes	yes
	01654602010	8'-90'	up to 10"	10	20 chambers	20 sets	horizontal	yes	yes
6072 EXT	0166072206	8.5'-100'	up to 14"	6	20 chambers	20 sets	horizontal	yes	yes
	01660721510	8.5'-75'	up to 14"	10	15 chambers	15 sets	horizontal	yes	yes
6684-2 EXT	01666842156	9'-82'	up to 18"	6	15 chambers	30 sets	horizontal	yes	yes
	016668421010	9'-55'	up to 18"	10	10 chambers	20 sets	horizontal	yes	yes
4460	011446016	2.7'	up to 8"	6	25 per case	1 set	horizontal	yes	no
	0114460110	2.7'	up to 8"	10	20 per case	1 set	horizontal	yes	no
5460	012546016	3.5'	up to 10"	6	25 per case	1 set	horizontal	yes	yes
	0125460110	3.5'	up to 10"	10	20 per case	1 set	horizontal	yes	yes
6072	012607216	3.5'	up to 14"	6	20 per case	1 set	horizontal	yes	yes
	0126072110	3.5'	up to 14"	10	15 per case	1 set	horizontal	yes	yes
6084-2	012668426	3.5'	up to 18"	6	15 per case	2 sets	horizontal	yes	yes
	0126684210	3.5'	up to 18"	10	10 per case	2 sets	horizontal	yes	yes
72120-2	0127212026	3.5'	up to 30"	6	10 per case	2 sets	horizontal	yes	yes
	01272120210	3.5'	up to 30"	10	5 per case	2 sets	horizontal	yes	yes
V10	0131016	3.5'	up to 10"	6	20 per case	1 set	vertical	yes	yes
	01310110	3.5'	up to 10"	10	20 per case	1 set	vertical	yes	yes
V24	0132426	3.5'	up to 24"	6	15 per case	2 sets	vertical	yes	yes
	01324210	3.5'	up to 24"	10	10 per case	2 sets	vertical	yes	yes
2230	011223016	8'	up to 6"	6	50 per case	right only	horiz./vert.	no	no
GSV12	0131256	12'	up to 12"	6	5 per case	6 sets	vertical	no	yes
	01312210	12'	up to 12"	10	2 per case	6 sets	vertical	no	yes
GSH620-8-3	0176208310	18'	up to 30"	10	1 per case	8 sets	horizontal	no	yes
GSH1220-14-4	017122014410	18'	up to 72"	10	1 per case	14 sets	horizontal	no	yes

6 mil glovebags are a stock item, 10 mil glovebags are available special order with a two week lead time



"Personal air sampling results clearly demonstrate much lower exposures to airborne asbestos during glovebag type of insulation removal as opposed to negative pressure or mini-enclosures."

John P. Bavin
Corporate Industrial Hygienist
Consumers Power
Jackson, Michigan

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