

FROMM

packaging
systems



Airpad

Product protection and void-filling with air



Automatic on-site production, operatorless and easy to use

The compact, portable and easy-to-use Airpad machine produces protective packaging and void-filling material at the touch of a button. No operator is required.

Airpad is made from two rolls of flat film which are inflated with air, heat sealed and perforated. The formed pads are then coiled into a large light-weight roll. The Airpad system is covered by worldwide patents.

- Programs enable the production of multiple pad sizes
- Change of program at the touch of a button
- New: Double speed
- New: 110 volts and 230 volts

Production on site, as needed and just in time

You now have the possibility to produce your own void-filling and protective material on site, as needed and as demanded by your goods.

The easy operation of the AP500 allows you to produce different sizes of pads needed by calling on the memorized programs. You produce the exact quantity demanded by your immediate needs.

This innovative concept of producing your own protecting material and the proven reliability of the AP502 machine have made it a system of choice among leading manufacturers and distribution centers.

Technical data

Dimensions of the machine	
Length of the mounted machine	1600 mm / 63" (without Airpad rolls)
Length packed	1200 mm / 47"
Width	767 mm / 30"
Height	1292 mm / 51"
Weight	228 kg / 503 lbs

Chart of types model AP502

Item No.	Current supply	Conformity	Used in
50.1204.02	230V 50-60Hz	EN	A, AUS, B, BG, BIH, BOL, BR, BRN, BRU, BY, CH, CL, CY, CZ, D, DK, DZ, E, EAK, EAS, EAT, EST, ET, F, FIN, FL, GB, GE, GR, H, HK, HR, I, IL, IND, IR, IRL, IRQ, IS, JOR, KSA, KWT, L, LAR, LT, LV, M, MA, MAL, MC, MK, MOC, N, NL, NZ, OM, P, PE, PK, PL, PRC, PY, RA, RCH, RI, RL, RO, ROK, ROU, RP, RUS, S, SGP, SK, SLO, SYR, THA, TN, TR, UA, UAE, Y, YU, YV, Z, ZA, ZW
50.1206.02	110V 50-60Hz	UL/CSA	BR, C, CDN, CO, CR, DOM, EC, GB, GCA, JA, KSA, LB, MEX, NIC, PA, Puerto Rico, RC, RP, USA, YV
50.1207.02	100V 50-60Hz	UL/CSA	J



45 programs are available



2 layers of flat film



Air pressure – heat seal – perforation



Hand protection



The Airpad protection and void-filling material

Airpad is the multi-use interior packaging material that adequately serves the need for product protection, shock absorption and void-filling applications. The Airpad protection and void-filling material consists of air cushions available in five different sizes. The air cushions are vertically and horizontally connected and wound into large rolls. The strips of pads are laterally perforated thus allowing the user to tear off the appropriate length of cushion material required for the packaging and void-filling application.

- **The filling degree of the air cushions is individually adjustable**
- **Automatic adjustment of filling degree when changing programs**

Ideal customized product protection

The Airpad mats are superior thanks to the high impact absorption capacity of each separate Airpad element. A single pad can withstand an impact of over 1'000 N, depending on the film type used. Your goods are excellently protected against shock and other impacts. These characteristics also apply for delicate items without the use of any further packaging material. A range of pad sizes lets you efficiently customize your packaging operation. This system has been proven effective for any type of shipment and transportation.

- **Best protection and void-filling material**
- **Shock- and impact-absorbing**

Other fields of application / sectors

- **Automotive spare parts**
- **Computers**
- **Electronics**
- **All kinds of spare parts**
- **Communication**
- **Cosmetics**
- **Lamps/lights**
- **Logistics**
- **Machines**
- **Furniture**
- **Motorcycle spare parts**
- **Pharmaceuticals**
- **Software**
- **Entertainment electronics**
- **Mail order**



Antistatic



Highly loadable



High shock absorption



Fixing without compromise



Dispensing



Separating



Packing and void-filling



Dispenser



No extra interior packaging

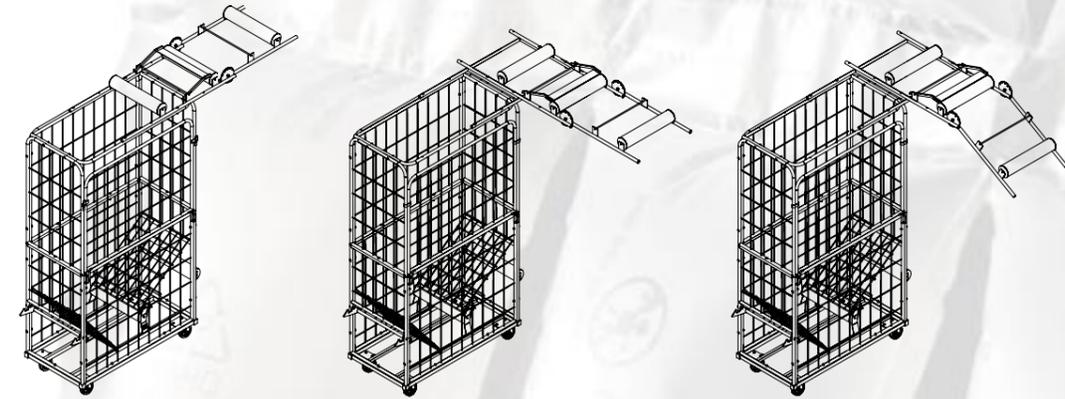


Ideally protected



Multifunctional and movable storage container

Thanks to its modular design, the multifunctional storage container offers customers virtually unlimited applications. The various attachment positions of the dispenser arm – combined with the movability of the storage container – allows the container to be adapted to a wide range of applications.



Technical data

Dimensions of the machine

Length with container	2420 mm / 95"
Length with container and arm	3375 – 3625 mm / 133" – 143"
Width	797 mm / 31"
Height	2450 mm / 96"
Weight	268 kg / 591 lbs

Automatic endless production of Airpad material

The Airpad machine, model AP503, has been developed especially for customers with large packaging volumes and/or high packaging speeds. A photocell permanently monitors the supply of packaging material in the storage container and automatically starts the machine as soon as this falls below a minimum stock level. This process ensures that the user always has sufficient packaging material.

■ Automatic monitoring of the Airpad supply

Typentabelle Modell AP503

Item No.	Current supply	Conformity	Used in
50.1214.02	230V 50-60Hz	EN	A, AUS, B, BG, BIH, BOL, BR, BRN, BRU, BY, CH, CL, CY, CZ, D, DK, DZ, E, EAK, EAS, EAT, EST, ET, F, FIN, FL, GB, GE, GR, H, HK, HR, I, IL, IND, IR, IRL, IRQ, IS, JOR, KSA, KWT, L, LAR, LT, LV, M, MA, MAL, MC, MK, MOC, N, NL, NZ, OM, P, PE, PK, PL, PRC, PY, RA, RCH, RI, RL, RO, ROK, ROU, RP, RUS, S, SGP, SK, SLO, SYR, THA, TN, TR, UA, UAE, Y, YU, YV, Z, ZA, ZW
50.1216.02	110V 50-60Hz	UL/CSA	BR, C, CDN, CO, CR, DOM, EC, GB, GCA, JA, KSA, LB, MEX, NIC, PA, Puerto Rico, RC, RP, USA, YV
50.1217.02	100V 50-60Hz	UL/CSA	J



Outstanding protection and void-filling volume is made out of two rolls of flat film

Economic and environmental advantages

Airpad protective material consists of **99% air** and **1% film**. The savings over competitive systems are from 30% to 50%. Airpad is clean, free of dust and reusable. In the event of disposal it represents a minimum amount of waste and can be recycled.

Less material, less weight and less storage space result in lower costs and substantial overall savings. Airpad is the economical and environmental alternative.

- **Maximum protection**
- **Minimum waste**
- **Environmentally friendly**
- **Re-usability**

Versatility of Airpad film

By selecting the Airpad AP502 or AP503, you are choosing a product which can be adapted to your current and future requirements. Both machines are able to process a wide range of films. If product protection and/or void filling are needed, our standard film can cover these requirements at any time. If antistatic protection is needed or the product is subject to extreme situations, either our antistatic film or the exceptionally strong multi-layer film can be used.

■ **One machine – countless solutions**



FROMM Standard film

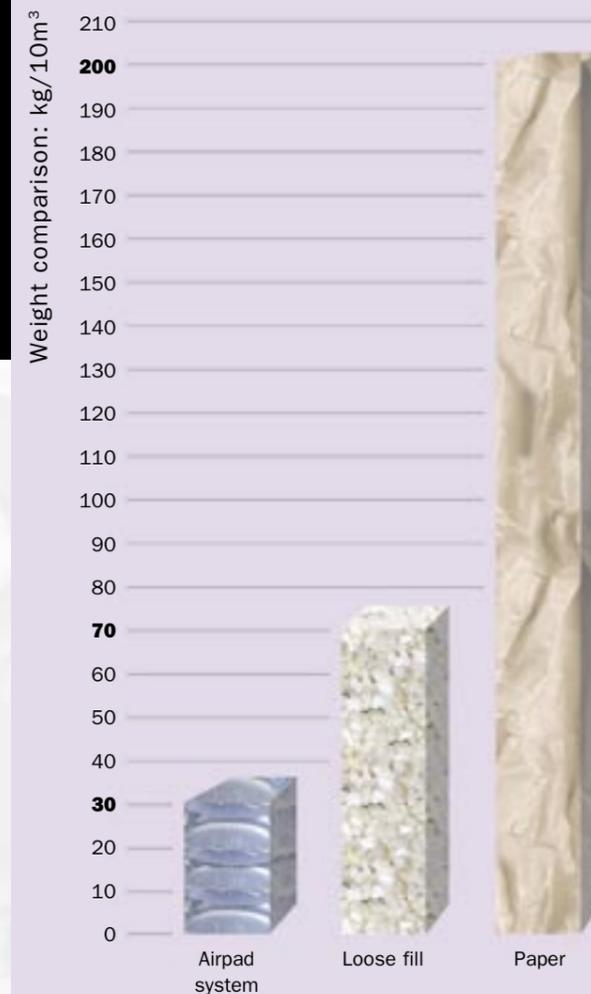


FROMM Antistatic film



FROMM Multi-layer film (MLF)

Weight saving



The chart shows that the Airpad system is 6.6 times less in weight than packaging systems using paper and twice less in weight than loose fill systems. Major freight savings are most likely to be realized.

FROMM Holding AG

FROMM Holding AG designs, develops and manufactures a complete line of packaging machines and equipment for unitizing and palletizing industrial loads, such as: strapping tools and automatic machines, pallet stretch wrapping machines as well as the patented Airpad product protection and void-filling system.

Established in 1947, the family-owned business employs approximately 350 people throughout the world. Eleven subsidiaries in Europe and South Africa and more than fifty specialized partners and distributors worldwide guarantee efficient customer service and assistance. Traditional values like continuity, independency and reliable quality products guide the company's corporate policy and represent the success over decades.

Research and development

At the research center a long experienced team of engineers continually develops new techniques and products using the newest 3D-CAD computers. Constantly updated testing procedures and equipment guarantee and secure the recognized high FROMM quality standards.



Research- and development operation

Tool- and machine production

In the production operation, FROMM production runs around the clock. Highly qualified teams of specialists using computer-controlled machines manufacture FROMM products designed to meet the demands for high quality. All tools and machines are tested prior to being despatched from the factory. FROMM has been awarded the ISO 9001 certification.



Tool- and machine manufacturing operation

Airpad film production

In its new production factory the film developed by FROMM for the Airpad machine is being manufactured on state-of-the-art extrusion lines. These films guarantee the high quality standard and impact capacity of the Airpad air cushions. The new production plant has been awarded the ISO 9001 and ISO 14000 certifications.



Airpad film manufacturing operation

Polyester recycling plant

The FROMM polyester recycling plant recycles used PET bottles into high-quality granules and agglomerates for applications in the plastics industry as well as regranulates for the production of PET strapping, films for the food industry and bottles for drinks. The plant has been certified ISO 9001 and ISO 14001.



Polyester recycling plant

All these Airpads can also be produced as XL or XXL by means of a simple programme change.

40 mm
Typ L
4 Airpads



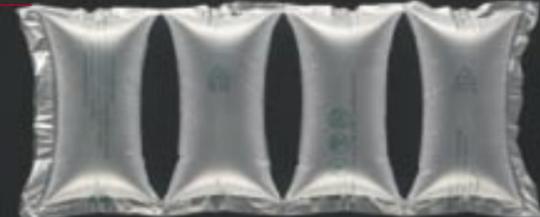
60 mm
Typ L
4 Airpads



80 mm
Typ L
4 Airpads



160 mm
Typ L
4 Airpads



160 mm
Typ XL
2 Airpads



160 mm
Typ XXL
1 Airpad

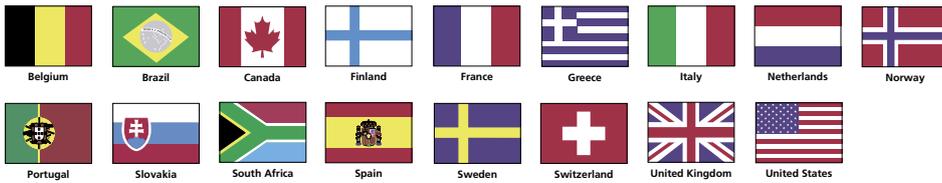


Versatility of Airpads

The large number of programs allows you to produce the most suitable Airpads for your product. Since both Airpad models can process a wide range of film qualities of various thicknesses, a virtually unlimited number of combinations and application variants are possible. The number of combinations can be multiplied again by changing the air pressure used in the Airpads.

FROMM

Sales and Service Companies



FROMM

Distributors

EUROPE



SOUTH AMERICA



ASIA



PACIFIC AREA

