FROMM | PACKAGING SYSTEMS

Airpad

Product protection and void-filling with air

Airpad AP502

US-Patent No. 5.340.632

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**

45 programs are available

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 AP502 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 protective 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	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	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
50.1209	100V 50-60Hz	UL/CSA	J

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 many 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**

Dispensing

Separating

Packing and void-filling

Dispenser

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.

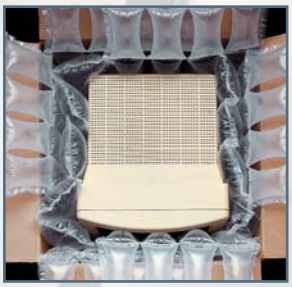
- **Best protection and void-filling material**
- **Shock- and impact-absorbing**

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

No extra interior packaging

Ideally protected

Airpad AP503

US-Patent No. 5.340.632

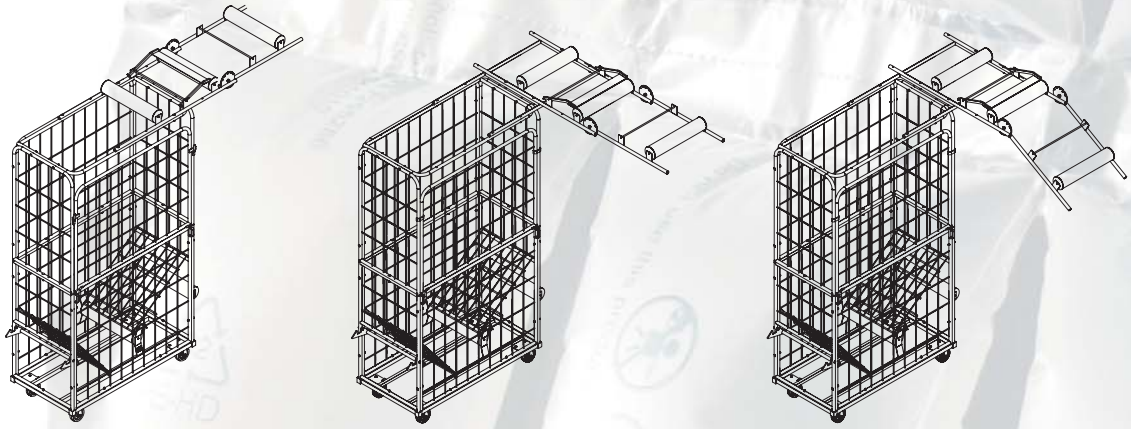
Automatic endless production of Airpad material

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**

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

Chart of types model AP503

Item No.	Current supply	Conformity	Used in
50.1214	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	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
50.1219	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

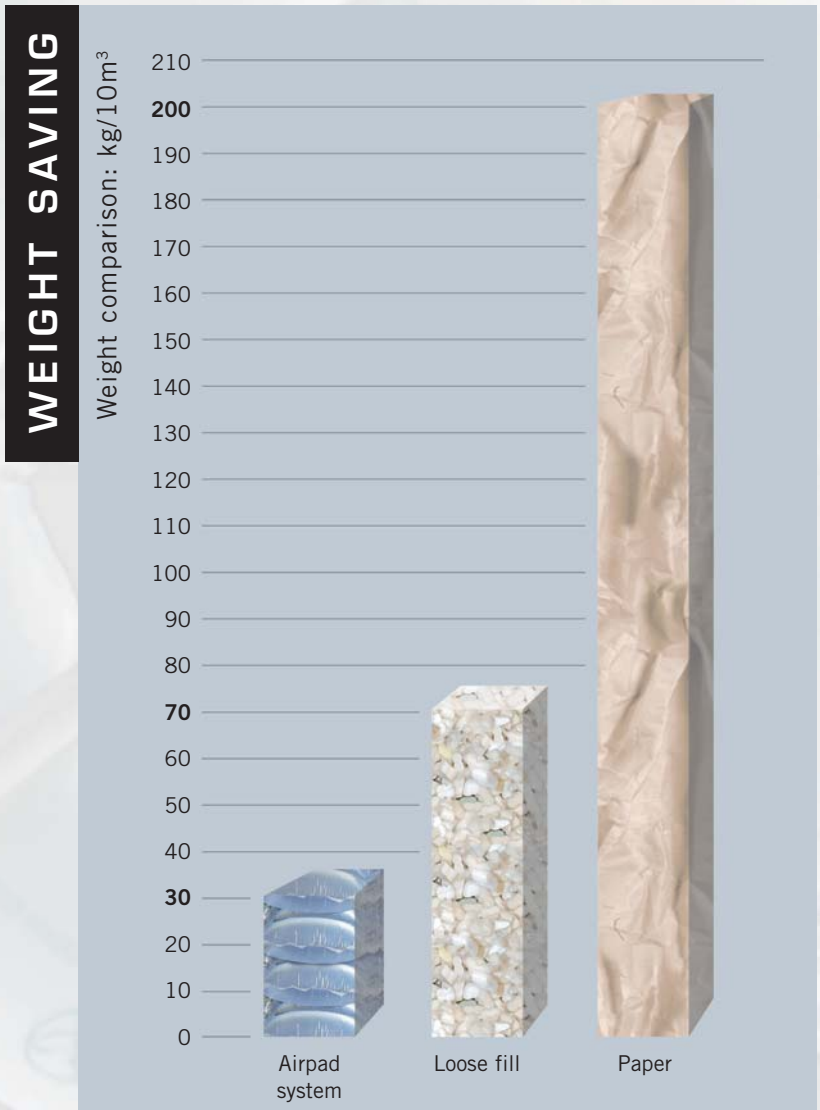
By selecting the Airpad AP502 or AP503, you are choosing a product which can be adapted to your current and future requirements. Both machines are able to process a wide range of films. If product protection and/or void filling are needed, our standard film can cover these requirements at any time. If 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)



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.

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

40 mm / 1 9/16“
Type L
4 Airpads

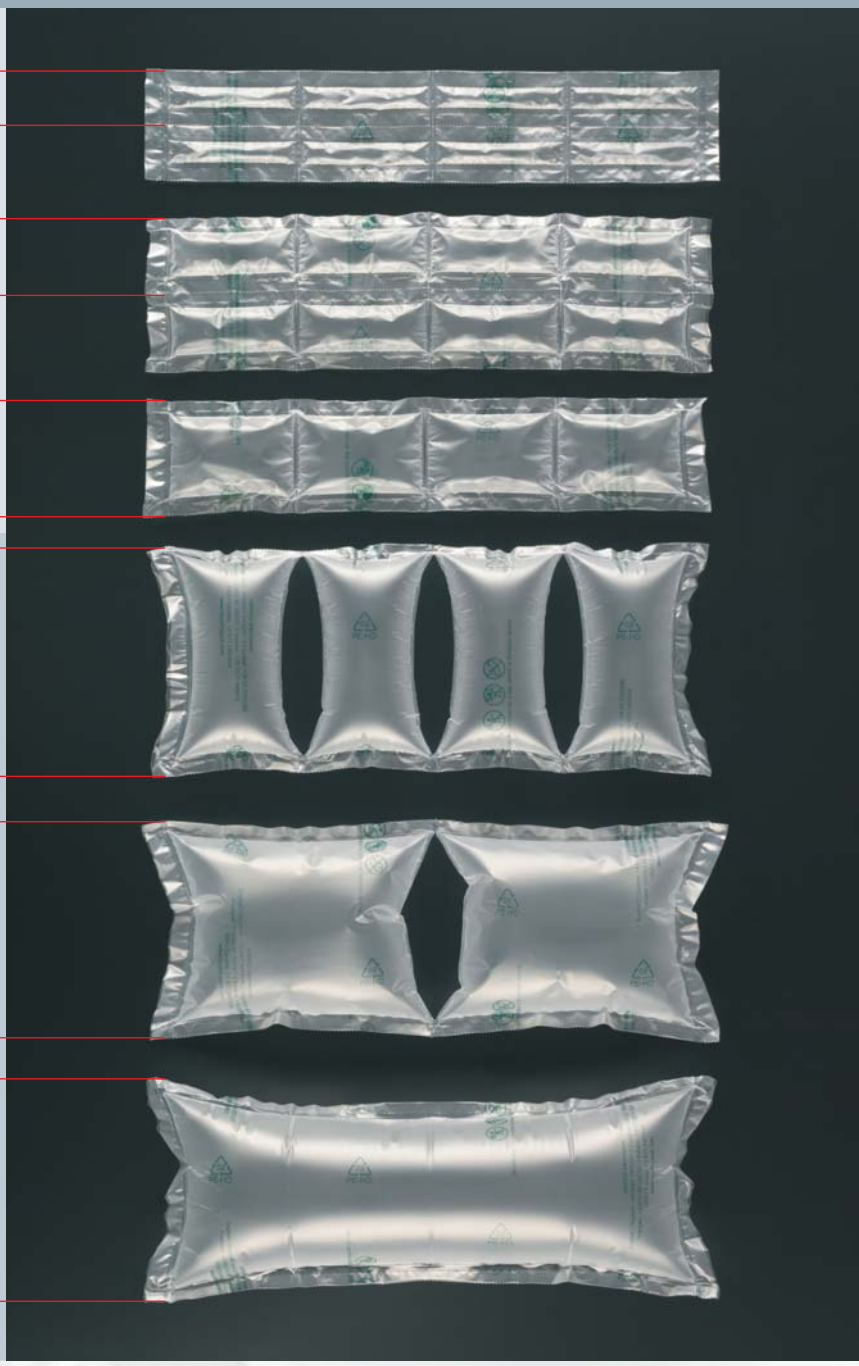
60 mm / 2 1/3“
Type L
4 Airpads

80 mm / 3 1/8“
Type L
4 Airpads

160 mm / 6 1/4“
Type L
4 Airpads

160 mm / 6 1/4“
Type XL
2 Airpads

160 mm / 6 1/4“
Type 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.

Development centre in Germany

Production centre for machines and equipment in Italy

Production centre for STARstrap™ strapping in Thailand

Production centre for STARstrap™ strapping in Germany

Production centre for STARstrap™ strapping in Chile

Polyester recycling plant in Germany

FROMM Group

The FROMM Group develops and produces a wide variety of systems for unitizing and palletizing goods for transport: strapping machines and systems, pallet stretch wrapping machines, the patented Airpad pillow system, together with all necessary consumables.

Established in 1947, the Swiss family business generates a turnover in excess of 150 million Euros and employs a workforce of around 700 worldwide. 25 subsidiaries in Europe, North and South America, South Africa and Asia, along with a multitude of specialized sales partners throughout the world ensure – in your vicinity – professional advice, prompt customer service and maintenance.

The company pursues a policy of logical vertical integration while upholding traditional values such as proximity to customers, quality consciousness, continuity, independence and environmental awareness, which are the reasons for decades of success.

Development centre

In the FROMM development centre, a long established and experienced team of engineers constantly develops new techniques and products using the very latest 3D CAD systems. Up-to-date test procedures guarantee the high FROMM quality standards.

Production centres for machines and equipment

Production takes place round the clock in the FROMM production centres. Highly qualified teams of specialists manufacture FROMM products satisfying the highest demands of quality on computer-controlled machines. All machines are tested before leaving the factory. The company has ISO 9001 certification.

Production centres for polyester plastic strapping and multilayer blown films

STARstrap™ plastic strapping is produced in the FROMM production centres exclusively from recycled polyester bottle material on modern state-of-the-art extrusion plant. These bands guarantee the high quality of the strapping performed with FROMM machines and equipment.

All kinds of film types for the Airpad pillow material are produced on blown film extrusion machines. Special film types guarantee a high loading capacity of the individual pillow elements. The plants are certified in accordance with ISO 9001 and ISO 14000.

Polyester recycling plant

In the FROMM recycling plant high grade base material, agglomerates and regranulates for the production of PET strapping, foodstuff films, textiles and drink bottles are produced from used PET bottles. This enables FROMM PET products to satisfy the most rigorous ecological requirements. The plant is certified in accordance with ISO 9001 and ISO 14000.

FROMM stands for development, production, consultancy, sales and service – worldwide and from a single supplier!

Benefit from our expertise!

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