

GRANULE SILO PLANT TYPE GFH-200 AND GFH-330

FOR FILLING OF PILLOWS AND MATTRESSES
AND FEEDING OF BONDED FOAM PLANTS



The Silo for Granule.

WHEN HYMA launched their GMP range they gave the foaming world a high-capacity machine capable of producing top-quality granules quickly and economically. It was a logical move to follow up with matching equipment that could handle and distribute the granules just as efficiently.

In 1974 HYMA introduced the GFH Silo System.

It was based on new principles, and it is now widely recognised as an extremely efficient and versatile system for the problem-free handling of granules.

Besides storing granules, the system is ideal for all filling operations, and for blending materials by recirculation.

Features of the GFH Silo System include:

- sectional construction - easy to transport and assemble.
- low working height - easy to connect filling equipment etc.
- variable storage height - to suit location and capacity required.
- hydraulic rotors - for precise feeding and extraction.
- versatile system - range of equipment available.
- very economical - no compressed air.

GFH ... the versatile silo

HYMA's multi-purpose GFH system is the versatile one ... the variable silo filling unit with all the advantages.

Versatile ... because it is constructed in easy-to-handle sections. So it's simple to transport, it can be assembled easily even in cramped areas, and it can be built to varying height to suit each customer's exact needs.

Versatile ... because the basic bottom section is at very low height, which makes it easy to fix attachments.

Versatile ... because it can be connected to a



A Granulee Silo Farm installed in a Factory making pillows.

wide range of processing equipment.

Versatile ... because the tube system can be constructed in many possible ways - and offers quick-lock attachment for speed of assembly.

Versatile ... because the silo can be filled by direct in-blow, or from sacks, or with loose granules.

The GFH has no blender, but even when it is built up to great height, and after long periods of non-operation, the granules do not create a "bridge" in the silo.

It can also be used for blending uneven granules or for blending together feathers and granules.

The GFH Silo is highly economical in use. Hydraulic power is used for the higher power requirements.

There are two versions of the silo. The smaller silo has a capacity of 2 cu.m. per section. The other silo is much bigger and has a volume of 5 cu.m. per section.

STANDARD EQUIPMENT:

- Air escape filter on silo top section.
- Five silo sections with perspex strips for granule level inspection.
- One granule inlet in top section.
- One silo access door.
- Basic bottom section with HYMA granule extraction system.
- Three outlets in bottom section for connection of auxiliary granule handling equipment.
- Hydraulic power-pack with pressure gauges and solenoid control valves.
- Free-standing control panel with controls for the silo and one granule filling equipment. (Prepared for the installation of controls for additionally two granule filling equipment)

TECHNICAL SPECIFICATIONS:

TYPE	GFH-200	GFH-330
Silo volume:	10 m ³	25 m ³
Overall height:	360 cm	360 cm
Silo diameter:	200 cm	330 cm
Section volume:	2 m ³	5 m ³
Section height:	60 cm	60 cm
Connecting branch diameter:	160 mm	160 mm
Output per minute, approx.:	25 kg	25 kg

POWER SUPPLY:

380 V, 3-Phase, Neutral, 50 Cycles,
8 KW (GFH-200), 10,4 KW (GFH-330).



Filling the silo from sack emptying station.

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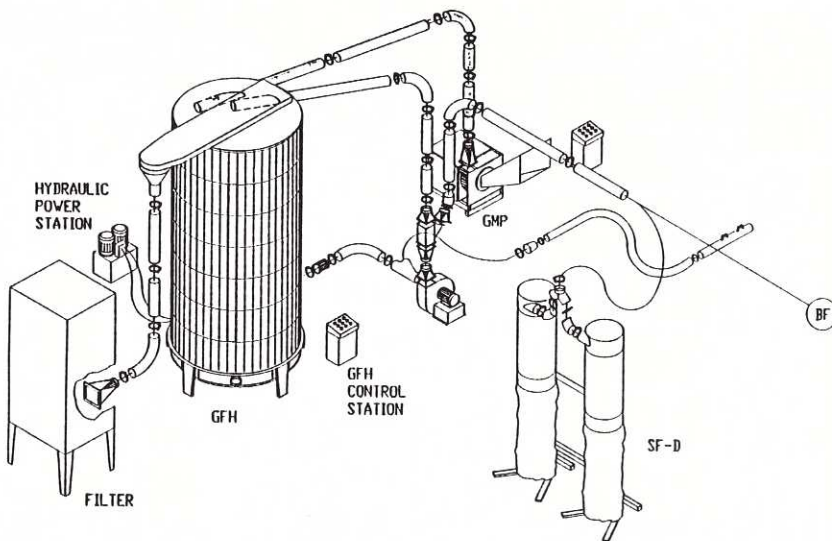
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HYMA

COMPLETE SERVICE
FOR THE FOAM INDUSTRY

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ding with single-head filter-top and connecting tubes for installation adjacent to processing machine. (Installation of Blowing Unit Type GFR or GFU conditional).

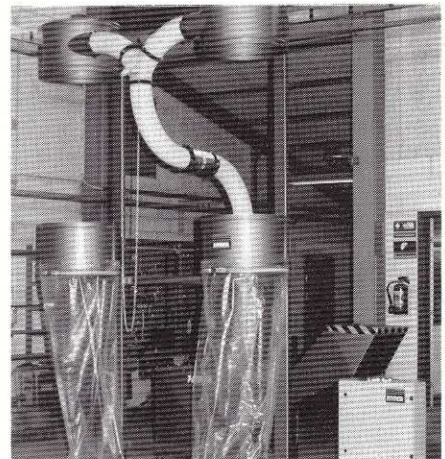
- E11B Sack Filler Type SFD. Free-standing with double-head filter-top, manually operated 2-way-diverter valve, and ducting for installation adjacent to processing machine. (Installation of Blowing Unit Type GFR or GFU conditional).
- E12 Set of Ducting Type GFD-10, consisting of various straight ductings, length 10 m/diameter 160 mm, one 90° bend and accessories. (For instance for connecting GMP to Silo).
- E13 Set of Ducting Type GFD-15, consisting of various straight ductings, length 15 m/diameter 160 mm, two 90° bends, one 45° bend, 2-way-diverter valve and accessories. (For instance to be used for Spaghetti Shredder Type SPH).
- E14 Different Voltage (per motor unit) (Special standards like UL etc. according to special price).

OPTIONAL EQUIPMENT:

- E01 Silo Section Type GS-3, additional, for increase of silo volume with: 5 m³
- E02 Electric Granule Level Control Unit, with signal light in the control desk.
- E03 Extra Blower Control, electrical installed in the control panel.
- E04A Air Escape Filter Type GDC-3, sack type, with silo cap and one replaceable dust collector bag.
- E04B Air Escape Filter Type GDS-3, box type, with six vibrating filters, replaceable dust collector bag, silo cap and ducting for installation adjacent to the silo plant.
- E05A Recirculation Blower Type GFR, with 3 KW blower for recirculation of granules in the silo, electrical control and ducting for installation on the silo.
- E05B Multi-Purpose Blowing Unit Type GFU, 4 KW blower for filling and blending of granules of different density and size or additives, recirculation of granules in the silo, with granule vacuum equipment for extraction of excess granules, prepared for distribution to sack-filling unit (or HYMA BF-Plant), electrical control and ducting for installation on the silo.
- E06A Transport Blower Type GFT-3 KW, for feeding of HYMA Bonded Foam Plant, with 3 KW transport blower, air throttle, piston-operated damper, electrical control, ducting for installation adjacent to the silo plant and 8 m of tube for interconnection with the Bonded Foam Plant.
- E06B Transport Blower Type GFT-4 KW, for feeding of HYMA Bonded Foam Plant, with 4 KW transport blower, air throttle, piston-operated damper, electrical control, ducting for installation adjacent to the silo plant and 15 m of tube for interconnection with the Bonded Foam Plant.
- E07 Vacuum Equipment Type GFV, for extrac-

tion of excess granules, with air throttle, one flexible suction hose, and 2-way-diverter valve for installation in existing suction line (see E05A, E06A, E06B, and E09).

- E08 Sack Emptying Station Type GFS, for feeding the silo with granules from sacks, with sack emptying vessel. (Installation of Blowing Unit Type GFR or GFU conditional).
- E09 Filling Blower Type GFF, for filling of cushions and mattresses, with 1,5 KW filling blower, air throttle, piston-operated damper, filling spout, electrical control, pedal switch and ducting for installation adjacent to the silo plant.
- E10 Filling Table Type GTF, for filling of cushions and mattresses, with grate and suction funnel, prepared for extraction of excess granules.
- E11A Granule Sack Filler Type SFS. Free-stan-



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