

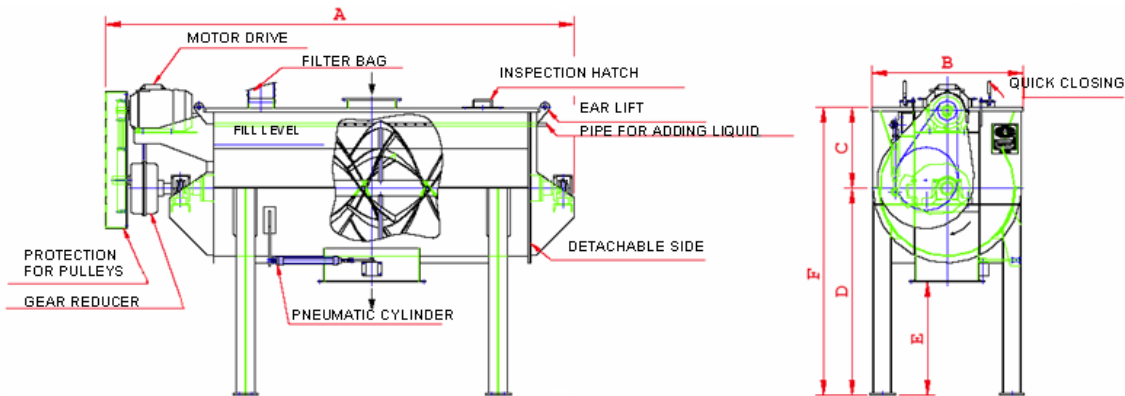
**Spiral mixers** manufactured in **GRUBER HERMANOS, S. A.** are indicated in processes of mixing solids, slurries, powdered, granular and paste-like products, to obtain a homogeneous mixture, without causing elements' particles to break.

Body and caps of the mixers manufactured by **GRUBER HERMANOS, S. A.** were designed for easy access for cleaning

The axis's high torsional rigidity and a construction with the bearings away from the body of the machine, make it possible to keep the number breakdowns very low and to get a long **useful life**.



Mixer ME-800 of 8.000 l of capacity, made in carbon steel



| TYPE     | USEFUL CAPACITY (LITERS) | KW (HP)   | A     | B     | C     | D     | E     | F     |
|----------|--------------------------|-----------|-------|-------|-------|-------|-------|-------|
| ME 7     | 70                       | 0,75 (1)  | 1 420 | 400   | 210   | 940   | 700   | 1 150 |
| ME 10    | 100                      | 2,2 (3)   | 1 400 | 680   | 350   | 1 098 | 700   | 1 446 |
| ME 20    | 200                      | 2,2 (3)   | 1 585 | 600   | 345   | 610   | 210   | 955   |
| ME 25    | 250                      | 2,2 (3)   | 1 650 | 700   | 460   | 1 245 | 800   | 1 705 |
| ME 50    | 500                      | 4 (5,5)   | 2 100 | 800   | 485   | 1 335 | 700   | 1 820 |
| ME 60    | 600                      | 5,5 (7,5) | 2 400 | 800   | 485   | 1 335 | 700   | 1 820 |
| ME 100   | 1 000                    | 7,5 (10)  | 2 750 | 900   | 570   | 1 400 | 800   | 1 970 |
| ME 150   | 1 500                    | 7,5 (10)  | 2 750 | 900   | 675   | 1 425 | 800   | 2 100 |
| ME 200   | 2 000                    | 15 (20)   | 3 400 | 1 000 | 675   | 1 425 | 800   | 2 100 |
| ME 250   | 2 500                    | 18,5 (25) | 3 990 | 1 350 | 750   | 1 795 | 1 000 | 2 495 |
| ME 300   | 3 000                    | 18,5 (25) | 4 600 | 1 350 | 750   | 1 795 | 1 000 | 2 495 |
| ME 400   | 4 000                    | 22 (30)   | 4 900 | 1 350 | 750   | 1 800 | 1 000 | 2 550 |
| ME 500   | 5 000                    | 30 (40)   | 5 100 | 1 600 | 900   | 1 925 | 1 000 | 2 825 |
| ME 600   | 6 000                    | 30 (40)   | 5 400 | 1 600 | 900   | 1 925 | 1 000 | 2 825 |
| ME 700   | 7 000                    | 37 (50)   | 5 975 | 1 800 | 900   | 2 175 | 1 000 | 3 175 |
| ME 800   | 8 000                    | 37 (50)   | 6 250 | 1 850 | 950   | 2 200 | 1 000 | 3 200 |
| ME 1 000 | 10 000                   | 45 (60)   | 6 900 | 2 000 | 1 000 | 2 400 | 1 000 | 3 400 |

\*Approximate measures in mm.  
\*\* Contact us for other capacities.

### GRUBER HERMANOS, S. A.

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ME 7/1 000-6 en  
V.01.05

**Operation principle**

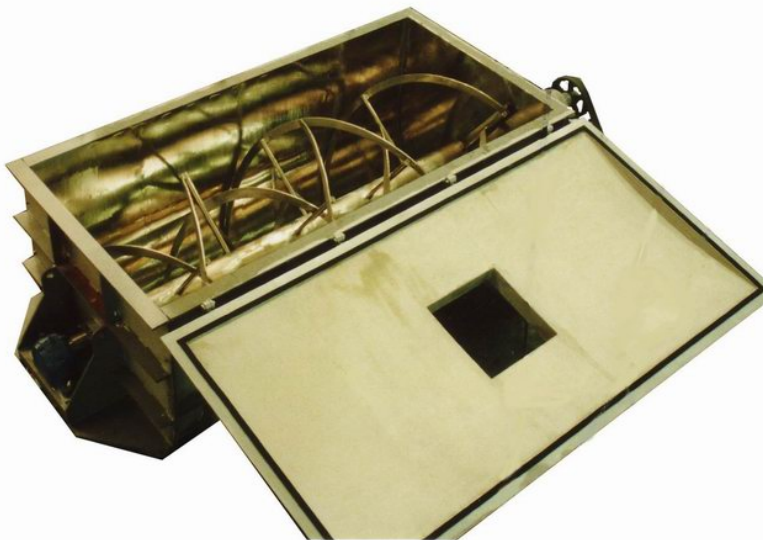
The mixing elements are two curved spirals in opposite directions, that turn and move the material in **opposite currents**.

The outer spiral moves the material in one current. This material comes together with the material moving the inner spiral in opposite current. As a result, products mix intimately, whether they're solid or liquid.

The construction of the body of the machine in for of trough, **prevents the existence of dead areas**, where unmixed product might gather, guaranteeing the successful mixture of all the fed product.



Spirals of ME-500 made of stainless steel, mirror polished



ME-1.000 Mixer of 10.000 l of capacity, made in stainless steel

Highlights of these machines are **their simple and functional construction**, designed to provide the stable operation and a long useful life, with **no necessary adjustments and virtually maintenance free**.

This construction can successfully replace, complex mixing systems available on the market, that need frequent adjustments and cause high maintenance costs.

**Special execution:**

- ✓ Tight, cylindrical trough, for mixing toxic or corrosive materials
- ✓ Reinforced construction for works under pressure or vacuum
- ✓ Spray nozzles for adding liquids (solvents, perfumes, grease ...)
  - ✓ Heating or cooling jacket flow (liquid or vapour)
  - ✓ Rotating trough for highly adherent products
  - ✓ Mixing system that prevents/eliminates lumps
- ✓ Special designs upon request (acc. to drawings or specifications)

**GRUBER HERMANOS, S.A.'s** technical and commercial team will be happy to address any questions or requests concerning mixing & kneading processes and to find a solution that meets all your requirements, thanks to **our expertise**.

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