

HYDROCYCLONE UNITS “GIC” SERIES



FOR THE TREATMENT OF SANDS AND FOR THE RECOVERY OF FINE MATERIALS

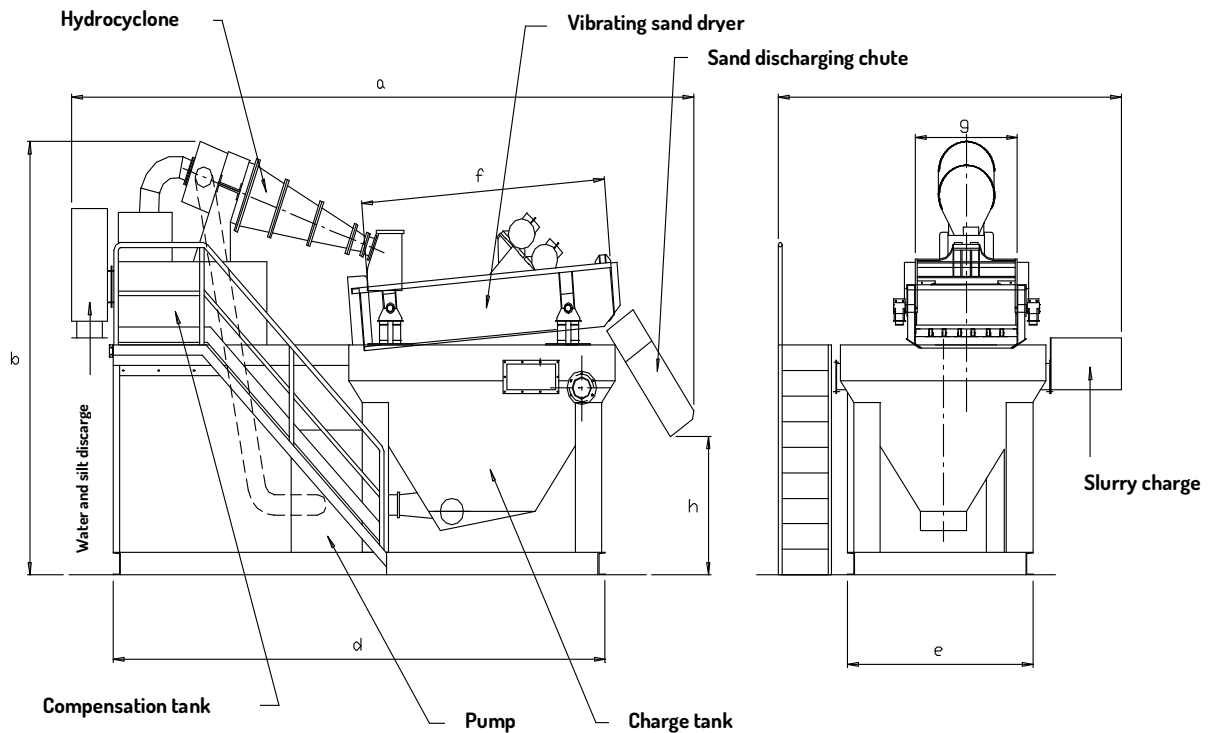


The GIC series hydrocyclone plants are suitable for treating **sands** coming from washing plants of the normal production cycles of alluvial aggregates. In these cases, in addition to the functions of washing, slimming and draining of the material, the **maximum recovery of fine sands** is also guaranteed, which in certain slightly dry materials, constitute an essential component to guarantee the curve of the product. The group, with the appropriate equipment, is an excellent machine for the recovery of fine materials coming from the **slurry discharges** of the plants. Its effectiveness is such as to be able to hold particles up to **74 microns** in size, resulting in:

- the enhancement of a material that would have been lost
- a considerable reduction in the solid quantity that would otherwise overload the clarification plants or the decanting tanks
- a selected product with a low relative humidity level (<20%).

The group consists of four main elements, namely the basic structure with tank and body, the centrifugal pump, the hydrocyclone and the vibrating sand dryer.

TECHNICAL FEATURES



DIMENSIONS

| TYPE* | a | b | c | d | e | f | g | h | WEIGHT (Kg) |
|--------------|------|------|------|------|------|------|------|------|-------------|
| GIC 20 S 120 | 6350 | 3800 | 3600 | 4500 | 1820 | 2000 | 1150 | 1120 | 3800 |
| GIC 20 F 200 | 6350 | 3800 | 3600 | 4500 | 1820 | 2000 | 1150 | 1120 | 4200 |
| GIC 40 S 200 | 7000 | 4200 | 4450 | 5550 | 2095 | 2700 | 1150 | 1345 | 6500 |
| GIC 40 F 400 | 7600 | 4850 | 4600 | 5800 | 2095 | 2700 | 1250 | 1800 | 8100 |
| GIC 70 S 400 | 8000 | 4700 | 4800 | 7000 | 2300 | 3600 | 1250 | 2000 | 8500 |

TECHNICAL FEATURES

| TYPE* | PUMP POWER SUPPLY (Kw) | CYCLONE DIAMETER (mm) | VIBRATING DRYER POWER SUPPLY (Kw) | MAX. DRIED SAND CAPACITY (mc/h) | MAX. SLURRY CAPACITY (mc/h) |
|--------------|------------------------|-----------------------|-----------------------------------|---------------------------------|-----------------------------|
| GIC 20 S 120 | 18,5 | 500 | 2,2 + 2,2 | 20 | 120 |
| GIC 20 F 200 | 22 | 630 | 2,2 + 2,2 | 20 | 200 |
| GIC 40 S 200 | 30 | 630 | 3,6 + 3,6 | 40 | 200 |
| GIC 40 F 400 | 37 | 850 | 3,6 + 3,6 | 40 | 400 |
| GIC 70 S 400 | 45 | 850 | 6,0 + 6,0 | 70 | 400 |

* The models shown are standards that can be adapted and modified according to specific customer needs.