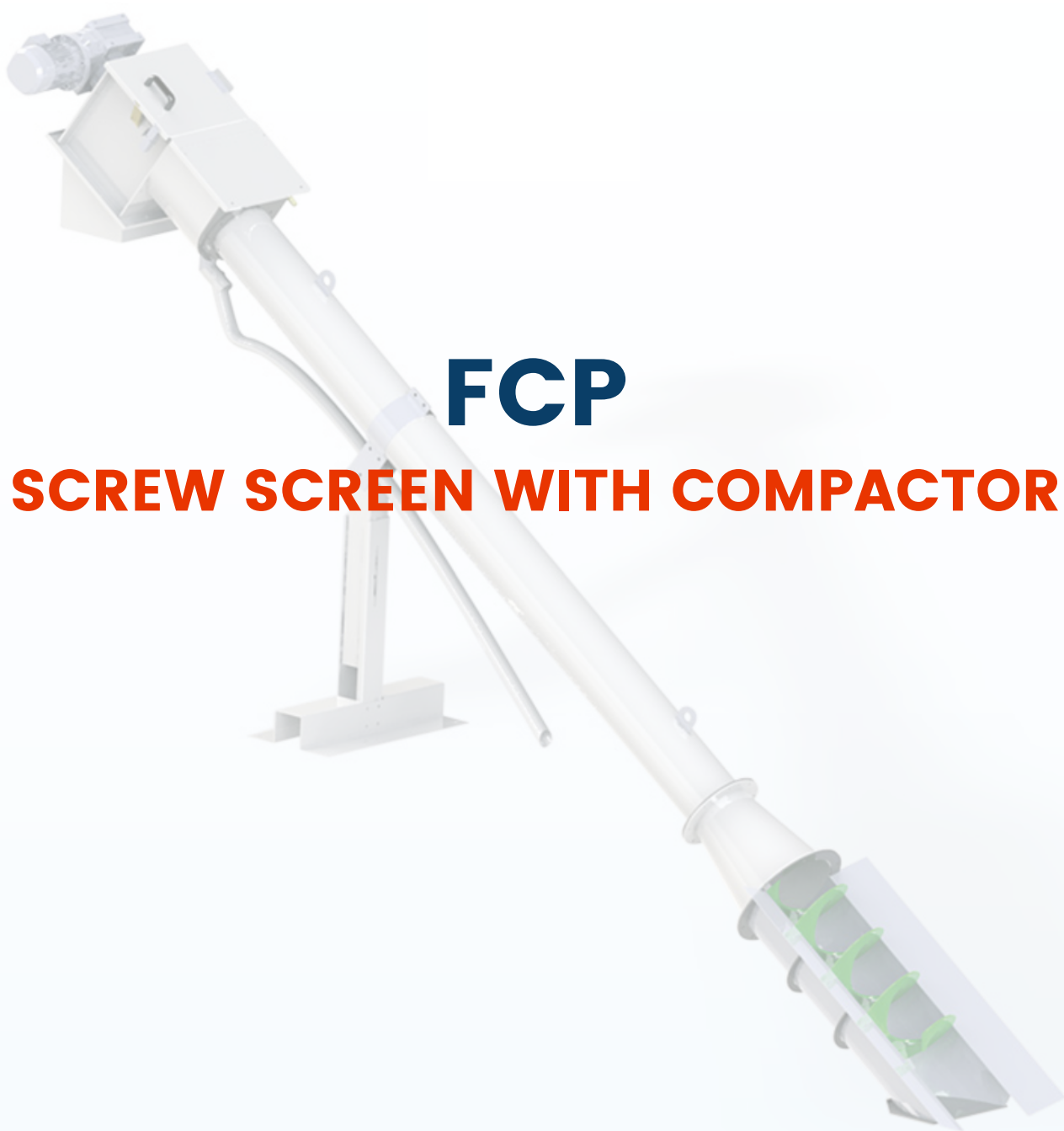


Screening



AQUA AURA
Leading Technologies



FCP

SCREW SCREEN WITH COMPACTOR

FCP – SCREW SCREEN WITH COMPACTOR

Combined machine for the separation and compaction of solid present on the waste water coming from municipal and industrial plants of various kinds.

The machine is composed by:

- Loading basket: drilled sheet or wedge wire
- Transport section: tubular or U-section
- Compaction and discharging section
- Adjustable feet

The compactor, located in the upper part of the machine at the end of the transport section, carries out the compaction/dehydration of the solid to reduce the weight and the volume.

Advantages

- Installation directly in the channel
- Low speed of rotation and no intermediate supports
- Self-cleaning with brushes fit on the screw
- Low maintenance and low initial investment
- Considerable reduction of volume and weight at the end of processing (up to 50%)
- High percentage of solid removed

Accessories

- Baskets' side extensions
- Transport section washing system
- Insulated heating tub
- Screw speed variation device
- Bag-filling system ongoing
- Transport section extension - shortening

MANUFACTURING FEATURES

| | |
|------------------------------------|---|
| <i>Inlet flow rate</i> | <i>Up to 1250 m³/h</i> |
| <i>Loading basket cleaning</i> | <i>With bolted brushes</i> |
| <i>Conveying length</i> | <i>Variable</i> |
| <i>Filtering options holes</i> | <i>∅ 3÷ ∅ 10 mm 0,25 ÷ 3 wedge wire</i> |



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Technical details

| FCP | W mm | H | | A mm | B mm | D mm | S mm | C mm | kW | rpm |
|-----|---------|-----------|-----------|---------|---------|---------|---------|---------|------|-----|
| | | 35° mm | 45° mm | | | | | | | |
| 20 | 535 | 410 | 515 | 5125 | 4075 | 800 | 1500 | 3040 | 0,75 | 11 |
| 30 | 615 | 420 | 535 | 5125 | 3975 | 800 | 1500 | 2990 | 0,75 | 11 |
| 40 | 690 | 430 | 540 | 5125 | 4044 | 800 | 1500 | 3035 | 0,75 | 11 |
| 50 | 820 | 550 | 705 | 5125 | 3990 | 800 | 1500 | 2980 | 1,1 | 11 |
| 60 | 970 | 660 | 838 | 6040 | 4512 | 1000 | 1500 | 3735 | 0,75 | 8 |
| 70 | 1051 | 800 | 985 | 6070 | 4510 | 1000 | 1500 | 3770 | 0,75 | 8 |
| 90 | 1150 | 860 | 1050 | 7840 | 4680 | 1000 | 1500 | 3650 | 1,1 | 8 |

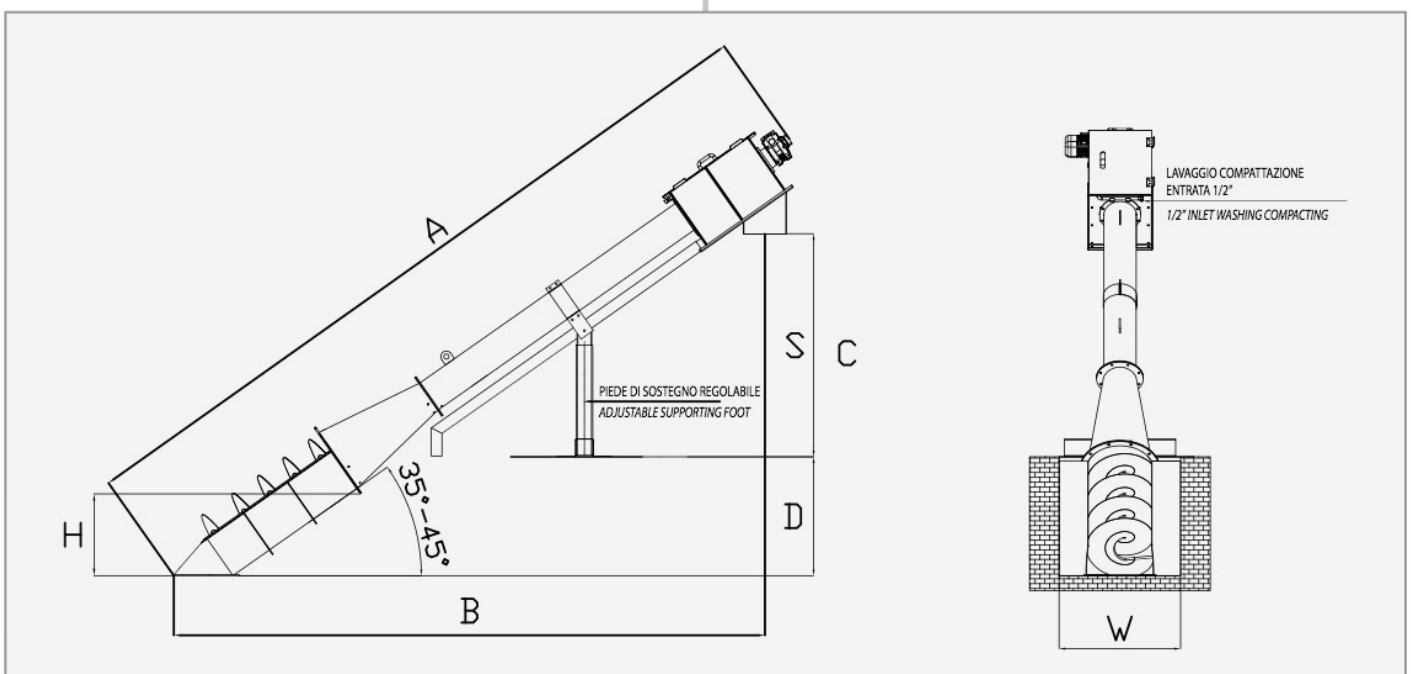
Based on machine configuration, motor power could be different

Theoretical flow rate table

| FCP mm | 20 | 30 | 40 | 50 | 60 | 70 | 90 |
|-----------|-------------------|-----|-----|-----|-----|-----|------|
| | m ³ /h | | | | | | |
| ww 0,25 | 17 | 34 | 75 | 115 | 180 | 220 | 290 |
| ww 0,5 | 45 | 64 | 95 | 170 | 300 | 340 | 385 |
| ww 1 | 50 | 81 | 135 | 252 | 350 | 430 | 590 |
| ww 2 | 85 | 100 | 145 | 303 | 430 | 580 | 785 |
| ww 3 | 112 | 125 | 187 | 340 | 505 | 730 | 900 |
| Ø 3 | 80 | 122 | 158 | 320 | 502 | 690 | 865 |
| Ø 4 | 93 | 137 | 218 | 360 | 528 | 756 | 920 |
| Ø 5 | 108 | 158 | 259 | 390 | 612 | 830 | 1000 |
| Ø 6 | 126 | 164 | 288 | 430 | 630 | 850 | 1070 |
| Ø 7 | 137 | 183 | 310 | 468 | 730 | 905 | 1160 |
| Ø 10 | 158 | 194 | 333 | 495 | 790 | 970 | 1250 |

ww = WEDGE WIRE SCREEN
Ø = PERFORATED SCREEN

data here listed are calculated
using clear water



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