

**PROSAN – TECH COMPACT
SYSTEM**

THE IDEAL SOLUTION

To supply the population with good-quality drinking water is a pressing world-wide problem.

Especially in geographically remote areas of the world highly developed treatment plants for drinking water are becoming increasingly necessary.

Virtually non-existent road-networks and climatically unfavourable conditions in some areas hamper the erection of conventional water treatment plants considerable. Furthermore, an economical supply of the population with drinking water is often delayed through extremely high expenditures for site-facilities, assembly and transportation of construction materials, or through an unduly long period of erection by unskilled site-and assembly workers.

Quick help, therefore, often goes hand in hand with problems which sometime are impossible to overcome if such unfavourable conditions prevail and conventional water treatment plants are erected.

PROSAN – TECH has, therefore, aimed at developing a system for water-treatment plants which offer the following advantages:

- a) short period of delivery
- b) minimal on-site construction
- c) suitable for many purposes
- d) as far as possible independent of different raw-water compositions
- e) if necessary independent of the electricity supply
- f) it should be possible to erect such plants in nearly inaccessible areas
- g) simple to handle
- h) if required transportation, therefore it should not necessarily be confined to one area
- i) the same service life as conventional plants
- j) no problems in the supply of chemicals for treatment.

PROSAN-TECH

The effort made to comply with the above points have resulted in

PROSAN-TECH COMPACT SYSTEM

Which is available as listed below:

PROSAN-TECH COMPACT PLANT

<u>Type</u>	<u>Capacity</u>	<u>Water for</u>
D2.5	2.5	250
D 5	5	500
D 10	10	1,000
D 25	25	2,500
D 50	50	5,000
D 75	75	7,500
D100	100	10,000
D125	125	12,500
D150	150	15,000
D200	200	20,000

A combination of various lines of course possible, up to a capacity of max. 1000 m³/h (= equiv. to a water supply for 10,000 people)

Process engineering: Identical for all sizes.

Raw water flocculation (usually with Alu-Sulphate). The flocks which are formed during this step are removed through sedimentation on a specially designed filtered plate separator **PROSAN-TECH MULTISED**. Therefore the preclarified water is cleaned in pressure filters and chlorinated for sterilizing. After finishing this physical-chemical treatment step, the water complies with the requirements for drinking water according to the standard of the World Health Organization (**WHO**) of the United Nations.

If the raw water is extremely polluted, it is advisable to integrate a further treatment step anthracite filtering.

Furthermore, if the raw water has an extremely high salt content, e.g brackish water, the **PROSAN-TECH** reverse osmosis-unit can be installed which is able to reduce the amount of salt to such an extent that it complies with the requirements for drinking water.

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D W 5	5	500
DW 10	10	1,000
D W25	25	2,500
D W50	50	5,000
D W75	75	7,500
DW100	100	10,000
DW125	125	12,500
DW150	150	15,000
DW200	200	20,000

A combination of various lines of course possible, up to a capacity of max.
1000 m³/h (= equiv. to a water supply for 10,000 people)

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Furthermore, if the raw water has an extremely high salt content, e.g brackish water, the **PROSAN-TECH** reverse osmosis-unit can be installed which is able to reduce the amount of salt to such an extent that it complies with the requirements for drinking water.

These plants have been designed to use as little electricity as possible. If there is no suitable supply of electricity available it can be substituted by Diesel generators.

The PROSAN-TECH-System combines a modern, flexible technology of water-treatment, easy handling and a low maintenance technique with high economy of operation and quick availability. This system is based on standardized basic-units which are assembled ready for operation at the manufacturer's works. After carrying out the resp. trial runs the basic-units are made up in transportable units. The most common dimensions and weights conform to the standards by International Standards Organization (ISO) for containers and to common dimensions of pallets used for air transportation resp. At the destination these units are fixed to the prepared foundation and connected with the provided distribution frame or joint-system.

Therefore, the water-treatment plants can be put into operation only few days after arrival of the units on the site.

FIELD OF APPLICATION

PROSAN-TECH water treatment plants can be used for the following purposes:

- water and drinking water treatment from all kinds of ground and surface water
- mechanical purification of water, e.g. process water recycling – scale water
- softening or demineralization by installing additional filters
- mobile drinking water supply to remote, less densely population areas – the plant is fixed to a lorry.
- for irrigation systems.

WHY PROSAN – TECH PLANTS?

- high reliability through fix installed standby - pumps
- low running cost due to low power consumption and easy maintenance
- simply erected – containerized system
- simply operated – only one handle has to be moved for filter backwashing (The backwash velocity is higher than the operating velocity).
- corrosion proof – all parts are sandblasted and protected by a 3 – ply coating
- short period of delivery
- short erection time
- long service life
- standardized module units- easy to extend.

TENDER**PROSAN – TECH COMPACT PLANT DW 2.5**

Capacity : 2.5 m³ / hr

Each consisting of :

1 Base Plate

Dimension :

2500 x 1800 x 1800 mm approx (LxWxH)

Mounted ready for operation:

1 Reaction Tank:

Diameter : 500mm

1 Pressure Filter

Diameter : 500mm

1 Air Compressor:

Complete with one pressure vessel

For aeration of raw water and for filter Back Washing

Power : 0.75 kw

1 Chemical Dosing Station

With metering pump for dosing of: Sodium hypochlorite (HTH)

Power : 0.75 kw

Pipe – work, Valves and Fittings

Within the water treatment plant

1 Control Panel

For the water treatment plant, completely mounted and wired

Surface Protection:

Sandblasted, one priming coat, two finishing coats

Transport Weight: 1.4 tons approx.

Operation Weight: 2.5 tons approx.

TENDER**PROSAN – TECH COMPACT PLANT DW 5**

Capacity : 5 m³ / hr

Each consisting of :

1 Base Plate

Dimension :

2500 x 1800 x 1800 mm approx (LxWxH)

Mounted ready for operation:

1 Reaction Tank:

Diameter : 600mm

2 Pressure Filter

Diameter : 500mm

2 Air Compressor: (one as stand by)

Complete with one pressure vessel

For aeration of raw water and for filter Back Washing

Power : 0.75 kw

1 Chemical Dosing Station

With metering pump for dosing of: Sodium hydroxide and potassium permanganate

Incl. E-Stirrer

Power : 0.75 kw

Pipe – work, Valves and Fittings

Within the water treatment plant

1 Control Panel

For the water treatment plant, completely mounted and wired

Surface Protection:

Sandblasted, one priming coat, two finishing coats

Transport Weight: 1.8 tons approx.

Operation Weight: 3.0 tons approx.

TENDER**PROSAN – TECH COMPACT PLANT DW 10**

Capacity : 10 m³ / hr

Each consisting of :

1 Base Plate

Dimension :

3500 x 2200 x 1800 mm approx (LxWxH)

Mounted ready for operation:

1 Reaction Tank:

Diameter : 800mm

2 Pressure Filter

Diameter : 800mm

2 Air Compressor: (one as stand by)

Complete with one pressure vessel

For aeration of raw water and for filter Back Washing

Power : 1.1 kw

1 Chemical Dosing Station

With metering pump for dosing of: Sodium hydroxide and HTH or potassium permanganate

Incl. E-Stirrer

Power : 1.1 kw

Pipe – work, Valves and Fittings

Within the water treatment plant

1 Control Panel

For the water treatment plant, completely mounted and wired

Surface Protection:

Sandblasted, one priming coat, two finishing coats

Transport Weight: 2.4 tons approx.

Operation Weight: 3.5 tons approx.

TENDER**PROSAN – TECH COMPACT PLANT DW 16**

Capacity : 16 m³ / hr

Each consisting of :

1 Container

Dimension :

6060 x 2440 x 2440 mm approx (LxWxH)

Mounted ready for operation:

1 Reaction Tank:

Diameter : 1000mm

2 Pressure Filter

Diameter : 900mm

2 Air Compressor: (one as stand by)

Complete with one pressure vessel

For aeration of raw water and for filter Back Washing

Power : 1.5 kw

1 Chemical Dosing Station

With metering pump for dosing of: Sodium hydroxide and potassium permanganate

Incl. E-Stirrer

Power : 1.7 kw

Pipe – work, Valves and Fittings

Within the water treatment plant

1 Control Panel

For the water treatment plant, completely mounted and wired

Surface Protection:

Sandblasted, one priming coat, two finishing coats

Transport Weight: 3.2 tons approx.

Operation Weight: 8.0 tons approx.

TENDER**PROSAN – TECH COMPACT PLANT DW 25**

Capacity : 25 m³ / hr

Each consisting of :

1 Container

Dimension :

6060 x 2440 x 2440 mm approx (LxWxH)

Mounted ready for operation:

1 Reaction Tank:

Diameter : 1400mm

2 Pressure Filter

Diameter : 1200mm

2 Air Compressor: (one as stand by)

Complete with one pressure vessel

Power : 1.1 kw

1 Air Blower

For back washing pressure filters

Power : 2.5 kw

1 Chemical Dosing Station

With metering pump for dosing of: Sodium hydroxide and potassium permanganate

Incl. E-Stirrer

Power : 1.7 kw

Pipe – work, Valves and Fittings

Within the water treatment plant

1 Control Panel

For the water treatment plant, completely mounted and wired

Surface Protection:

Sandblasted, one priming coat, two finishing coats

Transport Weight: 4.0 tons approx.

Operation Weight: 12.0 tons approx.

TENDER**PROSAN – TECH COMPACT PLANT DW 35**

Capacity : 35 m³ / hr

Each consisting of :

1 Container

Dimension :

6060 x 2440 x 2440 mm approx (LxWxH)

Mounted ready for operation:

1 Reaction Tank:

Diameter : 1500mm

2 Pressure Filter

Diameter : 1400mm

2 Air Compressor: (one as stand by)

Complete with one pressure vessel

Power : 1.1 kw

1 Air Blower

For back washing pressure filters

Power : 3 kw

1 Chemical Dosing Station

With metering pump for dosing of: Sodium hydroxide and potassium permanganate

Incl. E-Stirrer

Power : 2.2 kw

Pipe – work, Valves and Fittings

Within the water treatment plant

1 Control Panel

For the water treatment plant, completely mounted and wired

Surface Protection:

Sandblasted, one priming coat, two finishing coats

Transport Weight: 5.2 tons approx.

Operation Weight: 17.0 tons approx.

TENDER

PROSAN – TECH COMPACT PLANT DW 50

Capacity : 50 m³ / hr

Each consisting of :

2 Container

Dimension :

6060 x 2440 x 2440 mm approx (LxWxH)

Mounted ready for operation:

1 Reaction Tank:

Diameter : 1800mm

3 Pressure Filter

Diameter : 1400mm

2 Air Compressor: (one as stand by)

Complete with one pressure vessel

Power : 1.1 kw

1 Air Blower

For back washing pressure filters

Power : 3 kw

1 Chemical Dosing Station

With metering pump for dosing of: Sodium hydroxide and potassium permanganate

Incl. E-Stirrer

Power : 2.5 kw

Pipe – work, Valves and Fittings

Within the water treatment plant

1 Control Panel

For the water treatment plant, completely mounted and wired

Surface Protection:

Sandblasted, one priming coat, two finishing coats

Transport Weight: 8.0 tons approx.

Operation Weight: 25.0 tons approx.

TENDER

PROSAN – TECH COMPACT PLANT DW 75

Capacity : 75 m³ / hr

Each consisting of :

2 Container

Dimension :

6060 x 2440 x 2440 mm approx (LxWxH)

Mounted ready for operation:

1 Reaction Tank:

Diameter : 2000mm

3 Pressure Filter

Diameter : 1600mm

2 Air Compressor: (one as stand by)

Complete with one pressure vessel

Power : 1.1 kw

1 Air Blower

For back washing pressure filters

Power : 3 kw

1 Chemical Dosing Station

With metering pump for dosing of: Sodium hydroxide and potassium permanganate

Incl. E-Stirrer

Power : 3 kw

Pipe – work, Valves and Fittings

Within the water treatment plant

1 Control Panel

For the water treatment plant, completely mounted and wired

Surface Protection:

Sandblasted, one priming coat, two finishing coats

Transport Weight: 9.5 tons approx.

Operation Weight: 32.0 tons approx.

TENDER**PROSAN – TECH COMPACT PLANT DW 100**

Capacity : 100 m³ / hr

Each consisting of :

2 Container

Dimension :

6060 x 2440 x 2440 mm approx (LxWxH)

Mounted ready for operation:

1 Reaction Tank:

Diameter : 2200mm

3 Pressure Filter

Diameter : 1800mm

2 Air Compressor: (one as stand by)

Complete with one pressure vessel

Power : 1.5 kw

1 Air Blower

For back washing pressure filters

Power : 5.5 kw

1 Chemical Dosing Station

With metering pump for dosing of: Sodium hydroxide and potassium permanganate

Incl. E-Stirrer

Power : 3 kw

Pipe – work, Valves and Fittings

Within the water treatment plant

1 Control Panel

For the water treatment plant, completely mounted and wired

Surface Protection:

Sandblasted, one priming coat, two finishing coats

Transport Weight: 11.0 tons approx.

Operation Weight: 40.0 tons approx.

TENDER**PROSAN – TECH COMPACT PLANT DW 125**

Capacity : 125 m³ / hr

Each consisting of :

2 Container

Dimension :

6060 x 2440 x 2440 mm approx (LxWxH)

9125 x 2440 x 2440 mm approx.

Mounted ready for operation:

1 Reaction Tank:

Diameter : 2300mm

3 Pressure Filter

Diameter : 2000mm

2 Air Compressor: (one as stand by)

Complete with one pressure vessel

Power : 1.5 kw

1 Air Blower

For back washing pressure filters

Power : 5.5 kw

1 Chemical Dosing Station

With metering pump for dosing of: Sodium hydroxide and potassium permanganate

Incl. E-Stirrer

Power : 4 kw

Pipe – work, Valves and Fittings

Within the water treatment plant

1 Control Panel

For the water treatment plant, completely mounted and wired

Surface Protection:

Sandblasted, one priming coat, two finishing coats

Transport Weight: 14.5 tons approx.

Operation Weight: 50.0 tons approx.

TENDER**PROSAN – TECH COMPACT PLANT DW 150**

Capacity : 150 m³ / hr

Each consisting of :

2 Container

Dimension :

12100 x 2440 x 2440 mm approx. (LxWxH)

6060 x 2440 x 2440 mm approx

Mounted ready for operation:

1 Reaction Tank:

Diameter : 2300mm

4 Pressure Filter

Diameter : 2000mm

2 Air Compressor: (one as stand by)

Complete with one pressure vessel

Power : 1.5 kw

1 Air Blower

For back washing pressure filters

Power : 5.5 kw

1 Chemical Dosing Station

With metering pump for dosing of: Sodium hydroxide and potassium permanganate

Incl. E-Stirrer

Power : 4 kw

Pipe – work, Valves and Fittings

Within the water treatment plant

1 Control Panel

For the water treatment plant, completely mounted and wired

Surface Protection:

Sandblasted, one priming coat, two finishing coats

Transport Weight: 16.0 tons approx.

Operation Weight: 65.0 tons approx.

1. TREATMENT PROCESS AND DATA

For **PROSAN – TECH COMPACT PLANTS** Type: DW

1.1) Treatment Process (brief description)

This DW type created by PROSAN – TECH has been especially developed for treating well water, borehole, stream e.t.c to turn it into drinking water. Water frequently containing polluting or undesirable substances which have to be removed.

There are:

- Aggressive carbondioxyde
- Iron
- Manganese
- Bacteria

For the PROSAN – TECH plants, process steps have been selected which cover most requirements. They have been designed to provide an optimum treatment system, using the most up-to-date, practical technology.

The following standard process steps are used:

- Aeration
- Disinfection
- Flocculation by chemical dosing
- Filtration

Above all this, PROSAN – TECH plants can be supplemented and extended by additional process steps, according to requirements.

The actual scope of supply is to be seen from the specification of material.

WATER AFTER TREATMENT

(Expected drinking water quality)

After treatment, the drinking water should be clear, colourless and free of malodorous substance and bad taste.

Suspended solids as turbidity	max.	10	FTU units E.B.C.
Iron	Fe	max. 0,1	mg/l
Manganese	Mn	max. 0,05	mg/l
pH-Valve approximate equilibrium			

The quality of the treated water is guaranteed to meet the International Standards for Drinking Water as laid down by the World Health Organization (WHO).

It is assumed that the raw water does not contain any compounds injurious to health that cannot be eliminated by chlorine.

TENDER**PROSAN – TECH COMPACT PLANT AC 2.5**Capacity : 2.5 m³ / hr

Each consisting of :

1 Base Plate

Dimensions:

2400 x 3000 x 1500 mm approx. (LxWxH)

Mounted ready for operation:

1 Flocculation Equipment

Complete with agitator

1 Clarification Equipment

Type : Parallel Plate clarifier

1 Intermediate Storage Tank

As suction tank for filter loading pump

1 Filter Loading Pump

Type : centrifugal pump

Capacity : 2.5 cu.m/hr

Head : 17 m W. C.

Incl. motor driver

Power : 0.37 kw

1 Pressure Filter

Diameter : 500mm

Chemical Injections

For dosing of: Alum, Sodium Hypochlorite and Sodium Hydroxide, Polyelectrolyte

1 Potable water tank

As storage tank for potable water

Capacity : 2 cu.m

1 Potable Water Pump

Type : centrifugal pump

Capacity : 2.5 cu.m/hr

Head : 26 m W.C.

Incl. motor driver

Power : 0.75 kw

TENDER

Pipe – work, Valves and Fittings

Within the water treatment plant

1 Control Panel

For the water treatment plant, completely mounted and wired

Surface Protection:

Sandblasted, one priming coat, two finishing coats

Transport Weight	:	2.0	tons approx.
Operation Weight	:	6.5	tons approx.

TENDER**PROSAN – TECH COMPACT PLANT AC 5**Capacity : 5 m³ / hr

Each consisting of :

1 Base Plate

Dimensions:

2400 x 3000 x 1500 mm approx. (LxWxH)

Mounted ready for operation:

1 Flocculation Equipment

Complete with agitator

1 Clarification Equipment

Type : Parallel Plate clarifier

1 Intermediate Storage Tank

As suction tank for filter loading pump

1 Filter Loading Pump

Type : centrifugal pump

Capacity : 5.0 cu.m/hr

Head : 21 m W. C.

Incl. motor driver

Power : 0.75 kw

2 Pressure Filters

Diameter : 500mm

Chemical Injections

For dosing of: Alum, Sodium Hypochlorite and Sodium Hydroxide, Polyelectrolyte

1 Potable water tank

As storage tank for potable water

Capacity : 2.0 cu.m

1 Potable Water Pump

Type : centrifugal pump

Capacity : 5.0 cu.m/hr

Head : 32 m

Incl. motor driver

Power : 1.1 kw

TENDER

Pipe – work, Valves and Fittings

Within the water treatment plant

1 Control Panel

For the water treatment plant, completely mounted and wired

Surface Protection:

Sandblasted, one priming coat, two finishing coats

Transport Weight	:	2.5	tons approx.
Operation Weight	:	7	tons approx.

TENDER

PROSAN – TECH COMPACT PLANT AC 10

Capacity : 10 m³ / hr

Each consisting of :

1 Base Plate

Dimensions:

2400 x 3000 x 2400 mm approx. (LxWxH)

Mounted ready for operation:

1 Flocculation Equipment

Complete with agitator

1 Clarification Equipment

Type : Parallel Plate clarifier

1 Intermediate Storage Tank

As suction tank for filter loading pump

2 Filter Loading Pump (one as stand by)

Type : centrifugal pump

Capacity : 10 cu.m/hr

Head : 16 m W. C.

Incl. motor driver

Power : 1.1 kw

2 Pressure Filters

Diameter : 800mm

Chemical Injections

For dosing of: Alum, Sodium Hypochlorite and Sodium Hydroxide, Polyelectrolyte

Pipe – work, Valves and Fittings

Within the water treatment plant

1 Control Panel

For the water treatment plant, completely mounted and wired

Surface Protection:

Sandblasted, one priming coat, two finishing coats

Transport Weight : 3.5 tons approx.

Operation Weight : 12 tons approx.

TENDER

PROSAN – TECH COMPACT PLANT AC 25

Capacity : 25 m³ / hr

Each consisting of :

1 Base Frame (Container)

Dimensions:

6060 x 2440 x 2400 mm approx. (LxWxH)

Mounted ready for operation:

1 Flocculation Equipment

Complete with agitator

1 Clarification Equipment

Type : Parallel Plate clarifier

1 Intermediate Storage Tank

As suction tank for filter loading pump

2 Filter Loading Pumps (one as stand by)

Type : centrifugal pump

Capacity : 25 cu.m/hr

Head : 13 m W. C.

Incl. motor driver

Power : 1.5 kw

2 Pressure Filters

Diameter : 1200mm

Chemical Injections

For dosing of: Alum, Sodium Hypochlorite and Sodium Hydroxide, Polyelectrolyte

Incl. motor driver

Power : 1.5 kw

Pipe – work, Valves and Fittings

Within the water treatment plant

1 Control Panel

For the water treatment plant, completely mounted and wired

Surface Protection:

Sandblasted, one priming coat, two finishing coats

Transport Weight : 6.5 tons approx.

Operation Weight : 20 tons approx.

TENDER

PROSAN – TECH COMPACT PLANT AC 50

Capacity : 50 m³ / hr

Each consisting of :

2 Base Frames (Container)

Dimensions:

6060 x 2440 x 2400 mm approx. (LxWxH)

Mounted ready for operation:

1 Flocculation Equipment

Complete with agitator

1 Clarification Equipment

Type : Parallel Plate clarifier

1 Intermediate Storage Tank

As suction tank for filter loading pump

2 Filter Loading Pumps (one as stand by)

Type : centrifugal pump

Capacity : 50 cu.m/hr

Head : 23 m W. C.

Incl. motor driver

Power : 5.5 kw

2 Pressure Filters

Diameter : 1400mm

Chemical Injections

For dosing of: Alum, Sodium Hypochlorite and Sodium Hydroxide, Polyelectrolyte

Incl. motor driver

Power : 1.5 kw

Pipe – work, Valves and Fittings

Within the water treatment plant

1 Control Panel

For the water treatment plant, completely mounted and wired

Surface Protection:

Sandblasted, one priming coat, two finishing coats

Transport Weight : 10 tons approx.

Operation Weight : 40 tons approx.

TENDER

PROSAN – TECH COMPACT PLANT AC 75

Capacity : 75 m³ / hr

Each consisting of :

2 Base Frames (Container)

Dimensions:

1 Base Frame 6060 x 2440 x 2400 mm approx.

1 Base Frame 9125 x 2440 x 2440 mm approx. (LxWxH)

Mounted ready for operation:

1 Flocculation Equipment

Complete with agitator

1 Clarification Equipment

Type : Parallel Plate clarifier

1 Intermediate Storage Tank

As suction tank for filter loading pump

2 Filter Loading Pumps (one as stand by)

Type : centrifugal pump

Capacity : 75 cu.m/hr

Head : 15 m W. C.

Incl. motor driver

Power : 7.5 kw

2 Pressure Filters

Diameter : 1600mm

Chemical Injections

For dosing of: Alum, Sodium Hypochlorite and Sodium Hydroxide, Polyelectrolyte

Incl. motor driver

Power : 1.5 kw

Pipe – work, Valves and Fittings

Within the water treatment plant

1 Control Panel

For the water treatment plant, completely mounted and wired

Surface Protection:

Sandblasted, one priming coat, two finishing coats

Transport Weight : 13 tons approx.

Operation Weight : 48 tons approx.

TENDER

PROSAN – TECH COMPACT PLANT AC 100

Capacity : 100 m³ / hr

Each consisting of :

3 Base Frames (Container)

Dimensions:

6060 x 2440 x 2400 mm approx. (LxWxH)

Mounted ready for operation:

1 Flocculation Equipment

Complete with agitator

1 Clarification Equipment

Type : Parallel Plate clarifier

1 Intermediate Storage Tank

As suction tank for filter loading pump

2 Filter Loading Pumps (one as stand by)

Type : centrifugal pump

Capacity : 100 cu.m/hr

Head : 22 m W. C.

Incl. motor driver

Power : 11 kw

2 Pressure Filters

Diameter : 1800mm

Chemical Injections

For dosing of: Alum, Sodium Hypochlorite and Sodium Hydroxide, Polyelectrolyte

Incl. motor driver

Power : 1.5 kw

Pipe – work, Valves and Fittings

Within the water treatment plant

1 Control Panel

For the water treatment plant, completely mounted and wired

Surface Protection:

Sandblasted, one priming coat, two finishing coats

Transport Weight : 14 tons approx.

Operation Weight : 55 tons approx.

TENDER

PROSAN – TECH COMPACT PLANT AC 125

Capacity : 125 m³ / hr

Each consisting of :

2 Base Frames (Container)

Dimensions:

12-200 x 2440 x 2400 mm approx. (LxWxH)

Mounted ready for operation:

1 Flocculation Equipment

Complete with agitator

1 Clarification Equipment

Type : Parallel Plate clarifier

1 Intermediate Storage Tank

As suction tank for filter loading pump

2 Filter Loading Pumps (one as stand by)

Type : centrifugal pump

Capacity : 125 cu.m/hr

Head : 21 m W. C.

Incl. motor driver

Power : 11 kw

2 Pressure Filters

Diameter : 1900mm

Chemical Injections

For dosing of: Alum, Sodium Hypochlorite and Sodium Hydroxide, Polyelectrolyte

Incl. motor driver

Power : 1.5 kw

Pipe – work, Valves and Fittings

Within the water treatment plant

1 Control Panel

For the water treatment plant, completely mounted and wired

Surface Protection:

Sandblasted, one priming coat, two finishing coats

Transport Weight : 18 tons approx.

Operation Weight : 65 tons approx.

TENDER

PROSAN – TECH COMPACT PLANT AC 150

Capacity : 150 m³ / hr

Each consisting of :

2 Base Frames (Container)

Dimensions:

12-200 x 2440 x 2400 mm approx. (LxWxH)

Mounted ready for operation:

1 Flocculation Equipment

Complete with agitator

1 Clarification Equipment

Type : Parallel Plate clarifier

1 Intermediate Storage Tank

As suction tank for filter loading pump

2 Filter Loading Pumps (one as stand by)

Type : centrifugal pump

Capacity : 150 cu.m/hr

Head : 25 m W. C.

Incl. motor driver

Power : 15 kw

2 Pressure Filters

Diameter : 2000mm

Chemical Injections

For dosing of: Alum, Sodium Hypochlorite and Sodium Hydroxide, Polyelectrolyte

Incl. motor driver

Power : 1.5 kw

Pipe – work, Valves and Fittings

Within the water treatment plant

1 Control Panel

For the water treatment plant, completely mounted and wired

Surface Protection:

Sandblasted, one priming coat, two finishing coats

Transport Weight : 18 tons approx.

Operation Weight : 65 tons approx.

TENDER

PROSAN – TECH COMPACT PLANT AC 200

Capacity : 200 m³ / hr

Each consisting of :

3 Base Frames (Container)

Dimensions:

12-200 x 2440 x 2400 mm approx. (LxWxH)

Mounted ready for operation:

1 Flocculation Equipment

Complete with agitator

1 Clarification Equipment

Type : Parallel Plate clarifier

1 Intermediate Storage Tank

As suction tank for filter loading pump

2 Filter Loading Pumps (one as stand by)

Type : centrifugal pump

Capacity : 200 cu.m/hr

Head : 20 m W. C.

Incl. motor driver

Power : 15 kw

2 Pressure Filters

Diameter : 2000mm

Chemical Injections

For dosing of: Alum, Sodium Hypochlorite and Sodium Hydroxide, Polyelectrolyte

Incl. motor driver

Power : 1.5 kw

Pipe – work, Valves and Fittings

Within the water treatment plant

1 Control Panel

For the water treatment plant, completely mounted and wired

Surface Protection:

Sandblasted, one priming coat, two finishing coats

Transport Weight : 26 tons approx.

Operation Weight : 170 tons approx.

