

503. REVERSE OSMOSIS SYSTEM – “N-SERIES”

Function:

Reverse Osmosis systems “N SERIES” are used to generate pure water which is free from dissolved salts(ions), particles, colloids, organics. They range from 50 lph(1200 liters/day) to 145lph(3500 liters/day).

Applications:

“P series Reverse osmosis” system is designed to cater to drinking and low flow process requirements in industrial, commercial and residential applications. The system is available in three sizes N-50; N-100 and N-150.

Advantages:

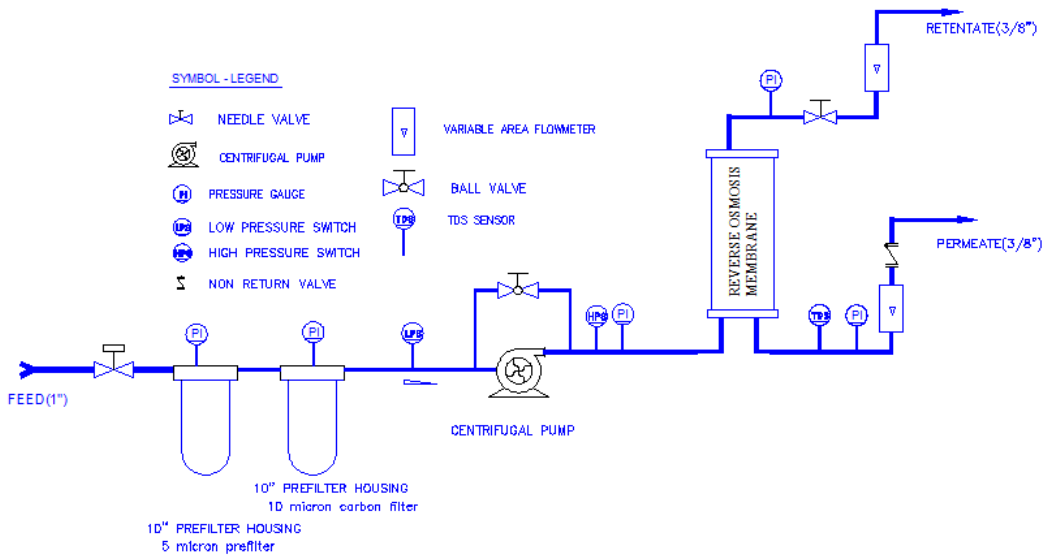
- Compact and modular.
- Low operation and maintenance cost.
- Expandable and skid mounted.
- Customizable and expandable.

Model	N-50	N-100	N-150
Permeate flow(lph)	50	100	145
Feed size(F NPT)	1 inch	1 inch	1 inch
Permeate tube size	3/8"	3/8"	3/8"
Concentrate tube size	3/8"	3/8"	3/8"
Membrane size	2521 61 mm dia x 533 mm L	2521 61 mm dia x 533 mm L	61 mm dia x 533 mm L
No. Of membranes	1	2	3

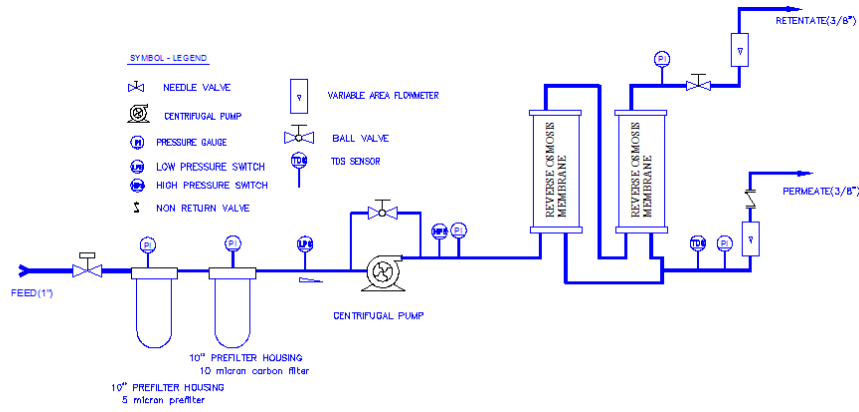
Features:

- Polypropylene Cartridge filter 5 μ
- Carbon block filter 10 μ
- Thin film composite RO membranes.
- PVC reverse osmosis membrane housings
- High pressure centrifugal pump.
- Pressure gauges(0-7 Kg/cm²).
- Low Pressure switches
- Conductivity indicator(200 μ S)
- Control panel with starter for motor : Powder coated CRCA.
- Variable area flowmeter for permeate.
- Needle valve(brass)
- PVC Ball valve

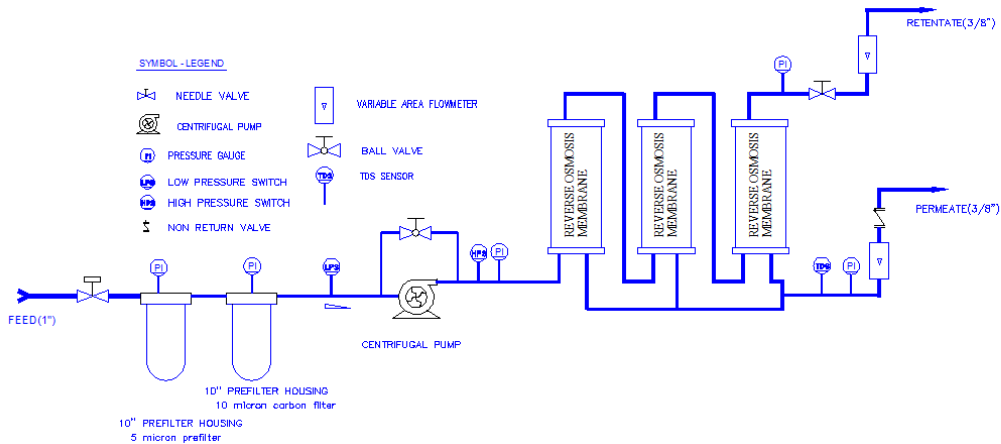
P&ID: N-50



P&ID: N-100



P&ID: N-150



GEOMETRY ENGINEERING INNOVATION,

No 4, Basaveshwara Industrial Area, Rajagopalnagar Main road, Bangalore-560056

www.geiprocess.com. E-mail:info@geiprocess.com DOC DT000503 R0

GEI Process

Specifications:

Part No.	Model	Permeate flow(lph)
503-000-001	N-50	50
503-000-002	N-100	100
503-000-003	N-150	145

Feed water quality is considered to be free from chlorine.

Feed water TDS< 10000 ppm.

Cleaning system and antiscalant dosing system is not included in the scope.

Allow minimum 5ft around the system for operation.

All dimensions are in mm. unless and otherwise specified.

The information contained in this brochure is for guidance only. We reserve the right to modify any material or feature without notice in advance. For further information, please, consult our application specialist

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