Neptune Strainers are designed and built for long-term, trouble-free performance in water pipeline service. They are specially designed for installation with Turbine or TRU/LO™ Compound meters and are compatible with all other makes as well.

Neptune recommends that a strainer be installed with each Turbine or TRU/FLO Compound meter to prevent meter damage and to ensure accurate registration regardless of the configuration of the meter installation.

When installed at the inlet of a turbine or compound meter, the strainer performs two very important functions:
- It provides protection against damage to the turbine meter measuring element from debris or foreign material in the pipeline.
- The stainless steel, plate-type strainer element is designed to improve the velocity profile of the flow stream entering the meter. This velocity profile improvement optimizes turbine meter performance. Good metering practice normally requires 8 to 10 diameters of straight pipe at the meter inlet to minimize velocity profile distortion caused by upstream valves or other fittings. The Neptune strainer reduces this long straight-run requirement and simplifies meter installation.

Neptune strainers are built of the highest quality, time-proven materials available for water pipeline service. Strainer bodies and covers in 2” through 10” sizes are no-lead high copper alloy; the 12”, 16”, and 20” are epoxy-coated steel. Strainer elements and cover bolts in all sizes are stainless steel.

Neptune strainers are rated at 150 psi working pressure. Each strainer is hydrostatically tested at 300 psi before shipment to ensure hydraulic integrity.

- No-lead high copper alloy body ensures durability and corrosion resistance
- ANSI/NSF 61 certified
- Low head loss
- Stainless steel strainer plate and cover bolts
- Height to center line matches Neptune Turbines for easy installation
- In-line serviceability

*12", 16", and 20" are epoxy-coated steel

Neptune provides a limited warranty with respect to its strainers for performance, materials, and workmanship.

For owner maintenance purposes, Neptune offers a complete inventory of replacement parts. When required, maintenance is easily accomplished without removing the strainer from the service line.
### DIMENSIONS

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<th>Meter Size</th>
<th>A (in/mm)</th>
<th>B (in/mm)</th>
<th>C (in/mm)</th>
<th>D (in/mm)</th>
<th>E (in/mm)</th>
<th>F (in/mm)</th>
<th>No. of Holes</th>
<th>Hole Dia (in/mm)</th>
<th>Weight (lbs/kg)</th>
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### PRESSURE LOSS

![Graph showing pressure loss]

This chart shows typical meter performance. Individual results may vary.

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**STRAINER PARTS NUMBERS**

- 2" 53120-000  No-lead high copper alloy
- 3" 53107-000  No-lead high copper alloy
- 4" 53107-100  No-lead high copper alloy
- 6" 52000-201  No-lead high copper alloy
- 8" 52000-304  No-lead high copper alloy
- 10" 52000-402 No-lead high copper alloy
- 12" 9276-000  Steel
- 16" 9276-100  Steel
- 20" 9276-200  Steel

**MAXIMUM OPERATING PRESSURE**

- 150 psi

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Neptune engages in ongoing research and development to improve and enhance its products. Therefore, Neptune reserves the right to change product or system specifications without notice.

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Neptune Technology Group Inc.
1000 Alabama Highway 229
Tallassee, AL 36078
USA
Tel: (800) 645-1882
Fax: (334) 207-2230

Neptune Technology Group (Canada) Ltd.
7275 West Credit Avenue
Mississauga, Ontario
L5N 5M9
Canada
Tel: (905) 858-4211
Fax: (905) 858-0429

Neptune Technology Group Inc.
Ejido Nacional No. 418
Piso 12, Desp. 1201-1202
Col. Chapultepec Morales
Delegación Miguel Hidalgo
11500 México, Distrito Federal
Tel: (525) 55203 5244 / (525) 55203 5708
Fax: (525) 55203 5503

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INDUSTRIAL DYNAMICS CO. 1-800-940-0453