

Plastic Meter Parts and Components

Cleaning Instructions

All plastics may be safely cleaned with soap and water, or a mixture of either non-alkaline liquid or powder detergent and water. For greasy soiled parts, the water temperature may be increased up to 170° F and a mechanical wiping or agitation applied.

Following cleaning, all parts should be rinsed thoroughly with clear water and be allowed to drain free or be wiped dry.

Some plastics are chemically resistant and can tolerate solvent immersion for cleaning. However, this necessitates extreme caution. Both the solvent and the plastic must be specifically identified for compatibility. Furthermore, contact with the solvent should be made at ambient temperature, and complete drying should be achieved within one-half hour of the initial contact. Solvents such as alcohol, naphtha, toluene, trichorethlene and non-leaded gasoline may be used with the temperature and time caution mentioned above on the following plastics (See Warning Note).

- Acetal *
- Polyester *
- Nylon *
- Fluorocarbon
- Polyethylene
- Polypropylene
- Epoxy
- Phenolic

*Note: Acidic or alkali materials must not come into contact with acetal, polyester or nylon parts. These plastics are susceptible to attack and deterioration from either acid or alkali materials.

Under no circumstances should any solvent be used or come in contact with the plastics listed below. These plastics can be structurally weakened or destroyed if contacted by solvents. Damage will occur even though it may not be immediately evident.

- Acrylics
- Polycarbonate
- Vinyl
- Polystyrene
- Phenylene Oxide
- ABS



When using a flammable solvent to clean components, do not use open flames for heating or lighting and make sure adequate ventilation is present.



elster
American Meter

As a convenient guide to cleaning plastic meter components, listed below are the common plastic items found in Elster American Meter's domestic meters.

Meter Part	Type Plastic
Index Box	Polycarbonate
Odometer Index	Phenylene Oxide / Polycarbonate (Backplate) Phenylene Oxide (Wheels) Acetal (Gears) Nylon (Dial Hands)
Circle-type Index	Polycarbonate (Backplate) Acetal (Gears) Nylon (Dial Hands)
Valve Guide	Acetal
Valve Guide Pin	Polypropylene
Valve Seat and Covers	Phenolic
Tangent Sleeve	Acetal/Nylon
Short Flag Arm	Acetal
Axle Box	Nylon
Axle and Wheel Assembly	Acetal/Nylon
Flag Rod Bearing	Acetal
Crank Arms	Acetal
Flag Box	Acetal
Worm (crank)	Acetal
Flag-Rod Bracket	Acetal
Security Seals	Polycarbonate

Where the specific identity of a plastic part is in doubt, cleaning with soap and water only is strongly recommended.

About Elster

A world leader in advanced metering infrastructure, integrated metering, and utilization solutions to the gas, electricity and water industries. Elster's metering and system solutions reflect over 170 years of knowledge and experience in measuring precious resources and energy.

Elster provides solutions and advanced technologies to help utilities more easily, efficiently and reliably obtain and use advanced metering intelligence to improve customer service, enhance operational efficiency, and increase revenues. Elster's AMI solutions enable utilities to cost-effectively generate, deliver, manage, and conserve the life-essential resources of gas, electricity, and water.

Elster has a staff of over 7,500 serving customers globally in North America, Central America, South America, Europe, Asia, Africa and the Middle East.



ISO 9001
QMI-SAI Global

Elster American Meter
2221 Industrial Road
Nebraska City, NE
68410
USA

T +1 402 873 8200
F +1 402 873 7616

www.elster-americanmeter.com

Elster Canadian Meter

T +1 905 634 4895
F +1 905 634 6705

www.elster-canandianmeter.com

© 2010 Elster American Meter. All right reserved

EAM-II3703.3-EN-P -January 2010
Supersedes IM 3703.2