



*NSF International Standard /
American National Standard*

NSF/ANSI 13 - 2020

Refuse Processors and Processing Systems



NSF International, an independent, not-for-profit, nongovernmental organization, is dedicated to being the leading global provider of public health and safety-based risk management solutions while serving the interests of all stakeholders.

This Standard is subject to revision.
Contact NSF to confirm this revision is current.

Users of this Standard may request clarifications and interpretations, or propose revisions by contacting:

Chair, Joint Committee on Food Equipment
c/o NSF International
789 North Dixboro Road, PO Box 130140
Ann Arbor, Michigan 48113-0140 USA
Phone: (734) 769-8010 Fax: (734) 769-0109
Email: info@nsf.org
Web: www.nsf.org

NSF International Standard /
American National Standard
for Food Equipment –

Refuse Processors and Processing Systems

Standard Developer
NSF International

Designated as an ANSI Standard
September 8, 2020
American National Standards Institute

Prepared by
The NSF Joint Committee on Food Equipment

Recommended for adoption by
The NSF Council of Public Health Consultants

Adopted by
NSF International
March 1973

Revised May 1985
Revised June 2005
Revised August 2012

Revised November 1992
Revised April 2007
Revised June 2017

Revised August 2001
Revised April 2009
Revised March 2021

Published by
NSF International
PO Box 130140, Ann Arbor, Michigan 48113-0140, USA

For ordering copies or for making inquiries with regard to this Standard, please reference the designation
“NSF/ANSI 13 – 2021.”

Copyright 2021 NSF International

Previous editions © 2017, 2012, 2009, 2007, 2005, 2001, 1993, 1985, 1973

Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from NSF International.

Printed in the United States of America.

Disclaimers¹

NSF International (NSF), in performing its functions in accordance with its objectives, does not assume or undertake to discharge any responsibility of the manufacturer or any other party. The opinions and findings of NSF represent its professional judgment. NSF shall not be responsible to anyone for the use of or reliance upon this Standard by anyone. NSF shall not incur any obligation or liability for damages, including consequential damages, arising out of or in connection with the use, interpretation of, or reliance upon this Standard. It is the responsibility of the user of this standard to judge the suitability of the ANS for the user's purpose.

NSF Standards provide basic criteria to promote sanitation and protection of public health and the environment. Provisions for mechanical and electrical safety have not been included in this Standard because governmental agencies or other national standards-setting organizations provide safety requirements.

Participation in NSF Standards development activities by regulatory agency representatives (federal, state, or local) shall not constitute their agency's endorsement of NSF or any of its Standards.

Preference is given to the use of performance criteria measurable by examination or testing in NSF Standards development when such performance criteria may reasonably be used in lieu of design, materials, or construction criteria.

The illustrations, if provided, are intended to assist in understanding their adjacent standard requirements. However, the illustrations may not include all requirements for a specific product or unit, nor do they show the only method of fabricating such arrangements. Such partial drawings shall not be used to justify improper or incomplete design and construction.

At the time of this publication, examples of programs and processes were provided for general guidance. This information is given for the convenience of users of this standard and does not constitute an endorsement by NSF International. Equivalent programs and processes may be used.

Unless otherwise referenced, the annexes are not considered an integral part of NSF Standards. The annexes are provided as general guidelines to the manufacturer, regulatory agency, user, or certifying organization.

¹ The information contained in this Disclaimer is not part of this American National Standard (ANS) and has not been processed in accordance with ANSI's requirements for an ANS. Therefore, this Disclaimer may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to the Standard.

Contents

1	General.....	1
1.1	Purpose.....	1
1.2	Scope.....	1
1.3	Alternate materials, design and construction.....	1
1.4	Measurement.....	1
2	Normative references.....	1
3	Definitions.....	2
4	Materials.....	2
4.1	General.....	2
4.2	Refuse-contact zone.....	2
4.4	Welding.....	2
4.5	Gaskets and packings.....	2
4.6	Plastic resin systems.....	2
4.7	Sound-dampening materials.....	2
4.8	Deodorizers.....	2
4.9	Coatings.....	3
4.10	Waste and water fittings.....	3
5	Design and construction.....	3
5.1	General.....	3
5.2	Joints and seams.....	3
5.3	Fasteners.....	3
5.4	Finishing.....	3
5.5	Reinforcing and framing.....	3
5.6	Panels.....	4
5.7	Doors and covers.....	4
5.8	Tracks and guides.....	4
5.9	Gaskets.....	4
5.10	Water inlets and storage.....	5
5.11	Provision for mounting.....	5
5.12	Legs and feet.....	5
5.13	Containers.....	5
5.14	Sound-dampening materials.....	6
	Informative Annex 1 Joint Committee on Food Equipment roster.....	9