

Product Information

Ionac[®] C-266 NS



Ionac C-266 NS is a premium grade gelular strong acid cation exchange resin, in the sodium form, manufactured without the use of solvent. **Ionac C-266 NS** meets the most exacting requirements of the residential and municipal water treatment industry. **Ionac C-266 NS** is specially treated to eliminate taste, odor, color throw and assures compliance with FDA regulation 21 CFR 173.25. **Ionac C-266 NS** is certified by the Water Quality Association to meet NSF/ANSI Standards 44 and 61.

Ionac C-266 NS is manufactured with a smaller effective bead size when compared most standard softening resins. **Ionac C-266 NS** is characterized by having a greater surface area and shorter diffusion path, which results in improved kinetics and improved efficiency.

Physical and Chemical Properties

U.S. Units

Metric Units

Physical and Chemical Properties		U.S. Units		Metric Units	
Functional group			sulfonic acid		sulfonic acid
Matrix			dvb / styrene		dvb / styrene
Appearance			black translucent		black translucent
Ionic form as shipped			Na ⁺		Na ⁺
Uniformity coefficient		max.	1.3	max.	1.3
Bead size*		US mesh	40 - 50	mm	0.3 - 0.425
Effective bead size	AB +/- 0.05			mm	0.37
Shipping weight		lbs/ft ³	52	g/l	832
Density				g/ml	1.26
Water retention*		%	42 - 48	%	42 - 48
Total capacity*	min.	Kgr/ft ³	44	eq/l	2.0
Volume change	Na ⁺ >> H ⁺	max. %	5	max. %	5
Stability	pH range		0 - 14		0 - 14
Stability	temp range	°F	34 - 280	°C	1 - 140
Storability	of product	max. years	2	max. years	2
Storability	temp range	°F	34 - 140	°C	1 - 60

* Specification values subjected to continuous monitoring.

MSDS: Material Safety Data Sheets are available for all Sybron Chemicals Inc. products. The MSDS contains pertinent information that may be required to ensure safe handling and use of our products. It is recommended that copies of the MSDS be obtained by calling **1-800-678-0020** or **1-800-526-9377**.

Sybron Chemicals Inc.

A LANXESS COMPANY
200 Birmingham Road
Birmingham, NJ 08011
Phone: 1-800-678-0020
Fax: 609-894-8641
www.sybronchemicals.com

Sybron Chemicals Inc.

A LANXESS COMPANY
111 RIDC Park West Drive
Pittsburgh, PA 15275-1112
Phone: 1-800-526-9377
Fax: 412-809-1061
www.sybronchemicals.com

Product Information

Ionac[®] C 266 NS



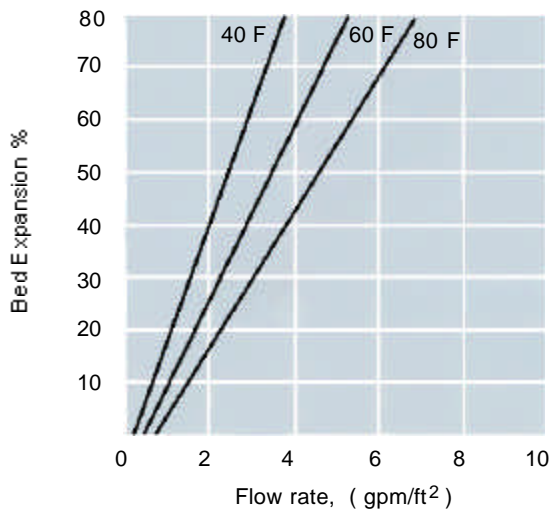
Recommended Operating Conditions

U.S. Units

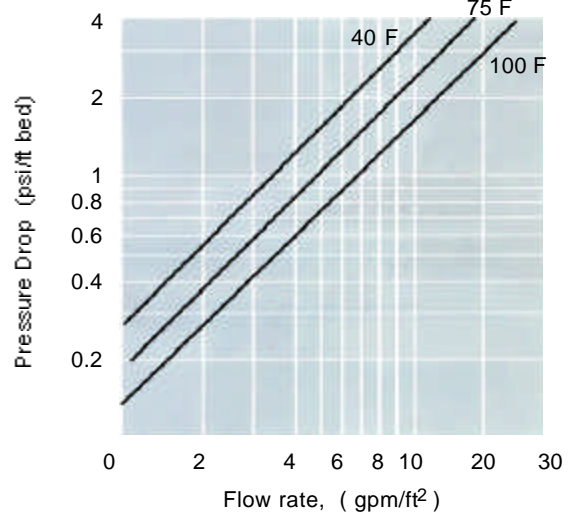
Metric Units

Operating temperature		max. °F	280	max. °C	140
Operating pH range			0 - 14		0 - 14
Bed depth		min. inches	24	min. mm.	610
Pressure drop			see chart		see chart
Max. pressure loss		psi	40	kPa	280
Surface flow rate	exhaustion	gpm/ ft ²	2 - 20	m/h	5 - 50
Surface flow rate	backwash		see chart		see chart
Bulk flow rate	exhaustion	gpm/ ft ³	1 - 6	BV/h	8 - 48
Bed expansion	%		50 - 65	%	50 - 65
Freeboard	% of bed depth		65 - 75		65 - 75
Regenerant	type		NaCl, KCl		NaCl, KCl
Regenerant	level	lbs / ft ³	3 - 20	g / l	48 - 320
Regenerant	concentration	%	8 - 13	%	8 - 13
Surface flow rate	regeneration	gpm/ft ²	0.4 - 4	m/h	1 - 10
Surface flow rate	rinse, slow / fast	gpm/ft ²	0.4-4 / 2-20	m/h	1-10 / 5-50
Bulk flow rate	regeneration	gpm/ft ³	0.5 - 1.5	BV/h	4 - 12
Bulk flow rate	rinse, slow / fast	gpm/ft ³	0.5-1.5 / 1-6	BV/h	2.5-8 / 8-48
Rinse water requirements	slow / fast	gals./ft ³	7-15 / 14-40	BV	1-2 / 2-5

Backwash Expansion (Na)



Pressure Loss

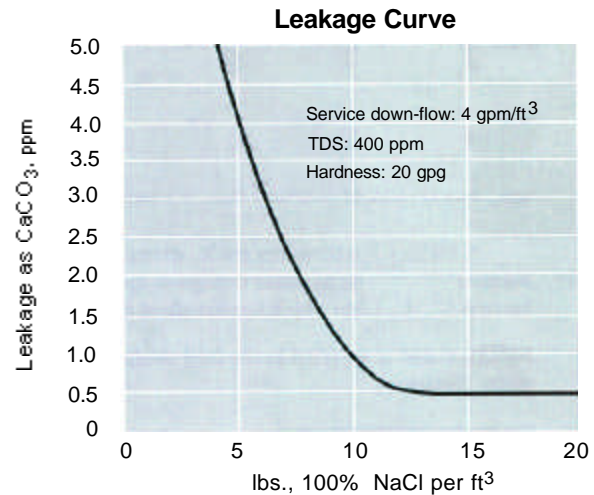
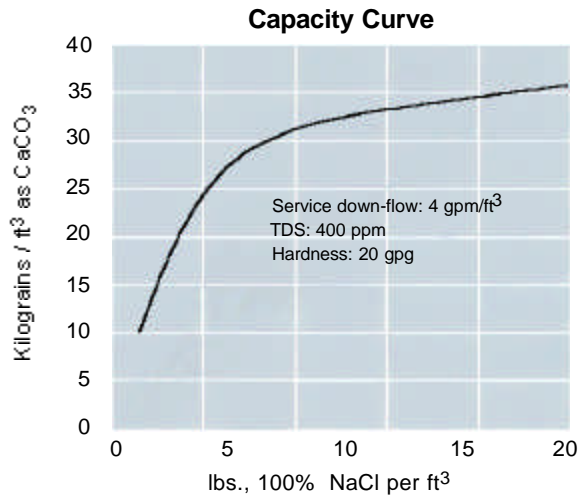


Product Information

Ionac^(R) C-266 NS



Additional Information and Regulations



Safety precautions

Strong oxidants, e.g. nitric acid, can cause violent reactions when in contact with ion exchange resins.

Toxicity

The material safety data sheet must be observed. The MSDS contains additional data on product description, transport, storage, handling, safety and ecology.

Storage

It is recommended to store ion exchange resins at temperatures above the freezing point of water. Ion exchange resin should not be stored in direct sunlight. If the resin should become frozen, the resin should be left to thaw out at ambient temperature before handling. No attempt should be made to accelerate the thawing process.

Disposal

The MSDS contains additional data on product safety and disposal.

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (wether verbal, written or by way of production evaluations), including any suggested formulations and recommendations are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whhether they they are suitable for your intended uses and application. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale. All information and technical assistance is given without warranty or gaurantee and is subject to change with notice. It is expressly understood and agreed that you assume and hereby expressly release us from liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact under the claims of any patent.

Sybron Chemicals Inc.

A LANXESS COMPANY
www.sybronchemicals.com

Contact us at:

200 Birmingham Road
Birmingham, NJ 08011
Phone: 1-800-678-0020
Fax: 609-894-8641

Contact us at:

111 RIDC Park West Drive
Pittsburgh, PA 15275-1112
Phone: 1-800-526-9377
Fax: 412-809-1061