

xylem

# Ion exchange resin products and services



## Wherever you are, we know water

At Xylem, we combine expert technical and operations knowledge with the largest network of trained field service technicians. Our field support includes service professionals with experience in maintaining and operating our own systems as well as equipment provided by other companies. Our technicians provide prompt, courteous service to help customers manage their water treatment system with minimum downtime and maximum use of direct labor and operating budgets.



## Resin products and services for peak performance

Xylem is a leader in specialty ion-exchange resins. We work closely with the leading resin manufacturers to upgrade their products to meet specialty applications. In addition to a wide range of stock products, customers can also work with our Engineering, R&D, and Analytical Laboratory to design a product for their specific needs. This technical expertise is part of an 80 year history of leading the water treatment industry.

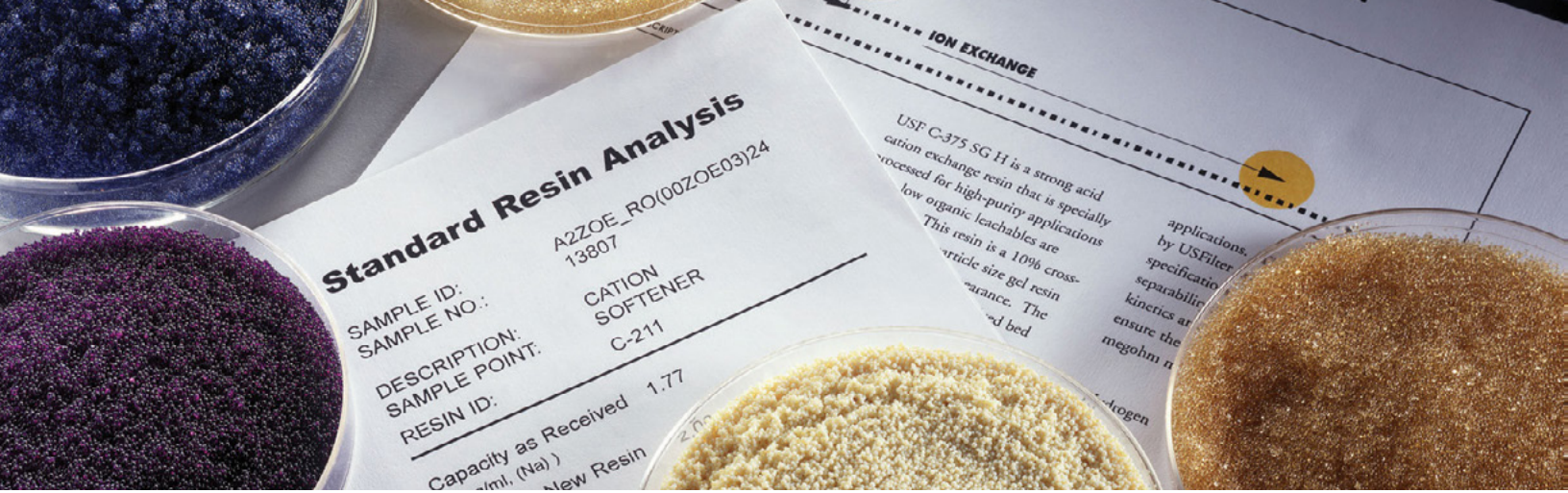
Xylem offers a complete support program to provide our customers with the products and support services necessary to maintain their ion exchange systems for peak performance and long-term operation. In addition to being the largest distributor of ion exchange resin, we also provide a full range of services including analytical testing, resin removal/reinstallation, cleaning and reconditioning. For specialty applications, we offer customized high-purity resin processing and blending to meet FDA requirements for the food and beverage, pharmaceutical and power markets. When it is time to dispose of your spent resin, we can also assist in coordinating options for investment recovery or proper disposal. Xylem offers complete support at every phase throughout the life of your system.

Industry-recognized products, experienced technical support, and an expertly trained field service team are all available to you as part of the offering from Xylem.



### Xylem's ion exchange resin program features

- Large inventory of stocked resins, including Xylem resins and resins from other leading manufacturers
- Same day shipment of stocked resins
- Regional resin distribution/stocking centers
- Extensive analytical and testing laboratory
- Customized packaging and delivery options
- Disposal and investment recovery coordination
- Performance evaluation and optimization
- Service and preventative maintenance contracts
- Personnel training and start-up services
- Temporary/mobile water treatment systems
- 24/7 customer service
- Trained, technical support staff
- 85+ sales and service branches throughout North America



## Quality assured with Xylem ion exchange resin

All of Xylem's Resin Technology Services comply with ISO 9001:2015. We are audited annually by both our internal Quality Assurance team, as well as the ISO consultants to ensure we are in compliance. This certification applies to resin processing, testing, and shipment, to ensure that customers only receive the highest quality material.

Xylem ion exchange resin was developed in response to inconsistent performance and quality trends experienced in the resin marketplace. Xylem provides process guarantees on all resins sold and therefore, it became necessary to establish new, more stringent resin performance specifications to ensure our resins met stated expectations.

Xylem ion exchange resins are guaranteed to meet performance specifications. The Xylem Ion-Exchange Resin processing facility located in Rockford, IL is equipped with a state-of-the-art analytical laboratory. Every batch of resin is tested to performance specifications and ships with a Certificate of Assurance. Our laboratory also handles customer water testing to investigate, troubleshoot, and answer any questions our customers have. The resins are tested to verify compliance to specifications based on the following:

- Capacity
- Percent salt split capacity vs. total capacity
- Percent conversion
- Percent moisture
- Particle size
- Percent whole, cracked, broken
- Organic impurities
- Bead strength

- Metallic and inorganic impurities
- Kinetics
- Additional performance testing is also available upon request.

Some of the advantages to choosing Xylem brand resin include:

- Life cycle cost savings when compared with equivalent resin products
- Manufactured and tested to meet tighter, more stringent performance specifications
- QA program is 10CFR50 (appendix B) and 10CFR21 compliant to meet nuclear safety requirements
- Process performance guarantees available upon request
- Extensive technical support and resin application knowledge
- Annual resin analysis
- Custom packaging to meet your volume needs
- Certificates of Analysis, Certificate of Conformance, and Shelf-Life Statements available upon request

### Regional stocking and distribution centers:

- Rockford, IL
- Geismar, LA
- Fallsington, PA
- Conroe, TX
- Ancaster, Ontario, Canada

# Specialized services for system efficiency and cost effective operation

Xylem offers a wide range of support services to help maintain ion exchange systems and eliminate the liabilities associated with spent resin handling and disposal. Our trained service technicians are available to provide services from over 85 branch locations throughout North America.

## Resin removal and replacement

Xylem's team of trained professionals will provide complete project coordination, from pre-disposal testing to new resin installation to used resin landfill disposal or investment recovery (used resin brokers). With complete responsibility in Xylem's hands, you can be assured that your project will be completed professionally, on schedule, within budget and most importantly, in full compliance with all local and governmental regulations.

### Removal and Replacement Service includes:

1. Pre-disposal Toxicity Characteristic Leachable Procedure (TCLP) testing for hazardous chemicals and metals.
2. Pre and post disposal documentation.
3. Removal of existing resin.
4. Visual inspection of the service vessel.
5. Installation of the new resin.
6. Pre-arranged disposal at a licensed land fill or investigate potential investment recovery through used resin brokers.



## Laboratory testing and process evaluation

To ensure optimum performance, Xylem recommends periodic laboratory analysis of your ion exchange resin. Xylem owns and operates a state-of-the-art laboratory and is capable of determining resin quality, as well as diagnosing operating problems and evaluating new ion exchange products.

### Standard laboratory resin testing

- Capacity Before/After Clean Up Steps
- Percent Moisture
- Particles Size
- Iron Fouling
- Microscopic Visual Examination

### Additional testing available

- Percent conversion
- Bead strength
- Metallic impurities
- Cross contamination
- Kinetics (mix bed test)
- Kinetics (MTOC extractables 16 hour soak dynamic mass transfer)
- Organic Cl, SO<sub>4</sub> TOC extractables
- 16 hour soak (UV)
- Dynamic (UV)
- X-ray fluorescence
- Terminal Settling Velocity (TSV)
- Super fines (-60 mesh)

### Processing/blending

Xylem provides resin processing services to meet customers high purity needs. Our specially designed facility uses microelectronics grade water (typically <3 ppb TOC, 18+Megohm and <50 ppt Na) to ensure the integrity of the processes.

Special customer requirements may include:

- Extremely low organic leachable impurities (TOC, UV Cl, UV SO4, etc.)
- Conversion to specific ionic forms (Li-7, K,Ca, various amines, etc.)
- Terminal Settling Velocity Modified (for improved separability)
- Custom mixing and blending of resins
- Custom packaging of resins (Mylar®, Heat sealed, 1–7 CF drums, 20–35 CF supersacks)
- FDA cycling for food and pharmaceutical applications (taste and odor free)

### Resin cleaning and reconditioning

Resin cleaning and reconditioning services provide an option for salvaging fouled, cross-contaminated and/or exhausted resin. Xylem can remove resins, transport them to our local processing plant, convert the resins and return them to your facility. Resin cleaning extends the resin's useful life, minimizes operating costs and reduces system downtime. The resin can be transported to and from the job site via tanker truck, 55 gallon drum, lined fiber drum, or super sack.

### Bulk transportation

Xylem offers bulk delivery of new resin and disposal of spent resins. We eliminate drum handling by slurring the resin directly from your water treatment service vessels to one of our company-owned tanker trucks. Bulk transportation greatly reduces the labor and steps involved with the documentation and administrative controls associated with temporary on-site and off-site disposal of resin.

### Performance evaluation program

An important part of the Xylem service offering is to assist customers achieve maximum performance from their ion exchange system. Our proprietary, Performance Evaluation Program is a computer-based tool which evaluates current operating conditions and economic factors versus theoretical data. This allows us to evaluate the current resins, system operating parameters and replacement times, and make appropriate recommendations.

#### Resin processing facilities

- Los Angeles, CA
- Milpitas, CA
- Signal Hill, CA
- South Windsor, CT
- Jacksonville, FL
- Rockford, IL
- Indianapolis, IN
- Fallsington, PA
- Conroe, TX
- Richmond, VA

# Xylem ion exchange resin and media cross reference guide

Xylem is the largest distributor of ion exchange resin. We are able to supply you resin from all of the leading manufacturers, and are the largest stocking distributor of Dowex® brand resin.

## Weak acid cation

Xylem brand	DuPont	Lanxess	Mitsubishi	Purolite	ResinTech
C-271 (H)	IRC83 H	CNP 80		C106	WACMP
C-281 (H)			WK-60L	C105	WACG

## Strong acid cation

Xylem brand	DuPont	Lanxess	Mitsubishi	Purolite	ResinTech
C-211 (H)	IRC120 H	C-267 H	SK-1B H	C100H	CG8-H
C-211 (Na)	IRC120 Na	C-249 Na	SK-1B Na	C100	CG8
C-211 UPS (H)	HPR1200 H	MonoPlus S-108 H	UBK08 H	PPC100H	CG8-H-UPS
C-211 UPS (Na)	HPR1200 Na	MonoPlus S-108 Na	UBK08 Na	PPC100	CG8-UPS
C-361 (H)	IRC122 H	S110 H	SK110 H	C100x10H	CG10-H
C-361 (NA)	IRC122 Na	S110 Na	SK110 Na	C100x10	CG10
C-361 UPS (H)	HPR1300 H	MonoPlus S200 H	UBK10 H	PPC100x10H	
C-361 UPS (Na)	HPR1300 Na		UBK10 Na	PPC100x10	CG10-UPS
C-381 (H)			PK216 H	C150H	SACMP-H
C-381 (Na)			PK216 Na	C150	SACMP-Na
C-381 UPS (H)	HPR2900 H	MonoPlus SP 112 H		PFC150H	
C-381 UPS (Na)	HPR2900 Na	MonoPlus SP 112 Na		PFC150	SACMP-UPS

## Weak base anion

Xylem brand	DuPont	Lanxess	Mitsubishi	Purolite	ResinTech
A-399 (FB)		MP62	WA30	A100	WBMP
A-444 (FB)	IRA67		WA10	A830	WBACR

## Strong base anion

Xylem brand	DuPont	Lanxess	Mitsubishi	Purolite	ResinTech
A-244 (CL)	IRA410 CL	ASB2 CL	SA20A CL	A300	SBG2
A-244 (OH)	IRA410 OH	ASB2 OH	SA20A OH	A300OH	SBG2-OH
A-244 UPS (CL)	HPR4100 CL	MonoPlus M600 CL	UBA200 CL	PFA300	SBG2-UPS
A-244 UPS (OH)	HPR4100 OH	MonoPlus M600 OH	UBA200 OH	PFA300OH	SBG2-OH-UPS
A-284 (CL)	IRA400 CL	ASB-1 CL	SA10A CL	A600	SBG1
A-284 (OH)	IRA400 OH	ASB-1 OH	SA10A OH	A600OH	SBG1-OH
A-294 (OH)	IRN78 OH	MonoPlus M800 OH	UBA100 OH	PFA600OH	SBG1-OH-UPS
A-464 (CL)	IRA402 CL	ASB-1P CL	SA12A CL	A400	SBG1P
A-464 (OH)	IRA402 OH	ASB-1P OH	SA12A OH	A400OH	SBG1P-OH
A-464 UPS (CL)	HPR4800 CL	MonoPlus M500 CL	UBA120 CL	PFA400	SBG1P-UPS
A-464 UPS (OH)	HPR4800 OH	MonoPlus M500 OH	UBA120 OH	PFA400OH	SBG1P-OH-UPS
A-674 (CL)			PA312 CL	A500	SBMP1
A-674 (OH)			PA312 OH	A500OH	SBMP1-OH
A-714 (CL)	IRA458 CL		JA830 CL	A850	SBACR
A-714 (OH)					

## Mixed beds

Xylem brand	DuPont	Lanxess	Mitsubishi	Purolite	ResinTech
TM-8					MBD20
TM-9	MB20	NM-60		MB400	MBD15
NR-6	IRN150	NM-73		MB600	MBD10
NR-30					MBD16

Note: There are various grades of each of these resins.

# Xylem resins - general industry grade

Cation			
Model	Type	Ionic form	Description
C-211 (H)	8% Gel	H	Standard cation resin used for demineralization.
C-211 (Na)	8% Gel	Na	Standard cation resin used for softening.
C-361 (H)	10% Gel	H	Premium cation resin used in aggressive applications and more resistant to oxidative attack and physical attrition.
C-361 (Na)	10% Gel	Na	Premium softening resin used in aggressive applications and more resistant to oxidative attack and physical attrition.
C-381 (H)	Macroporous	H	High cross-linked macroporous strong acid cation resin used in aggressive applications such as hot condensate polishing, highly resistant to oxidative attack, and suitable at elevated temperatures.
C-381 (Na)	Macroporous	Na	High cross-linked macroporous strong acid cation resin used in aggressive applications such as hot condensate softening, highly resistant to oxidative attack, and suitable at elevated temperatures.
C-271 (H)	Acrylic weak acid	H	Acrylic weak acid macroporous cation resin used in dealkalinizing and softening.
C-281 (H)	Acrylic weak acid	H	Acrylic weak acid gel cation resin used in dealkalinizing and softening.

Anion			
Model	Type	Ionic form	Description
A-244 (Cl)	Gel type II	Cl	Type II strong base gel anion with high OH regeneration efficiency also used in dealkalinization applications.
A-244 (OH)	Gel type II	OH	Type II strong base gel anion with high OH regeneration efficiency.
A-284 (Cl)	Gel type I	Cl	Type I standard strong base gel anion used in demineralization with good silica removal. Recommended in non-regenerable applications.
A-284 (OH)	Gel type I	OH	Type I standard strong base gel anion used in demineralization with good silica removal. Recommended in non-regenerable applications.
A-464 (Cl)	Gel type I porous	Cl	Type I porous strong base gel anion used in demineralization with good silica removal. Recommended in regenerable applications.
A-464 (OH)	Gel type I porous	OH	Type I porous strong base gel anion used in demineralization with good silica removal. Recommended in regenerable applications.
A-674 (Cl)	Type I macroporous	Cl	Type I macroporous strong base gel anion used in demineralization with good silica removal and better resistance to organic fouling. Recommended in regenerable applications on surface influent waters.
A-674 (OH)	Type I macroporous	OH	Type I macroporous strong base gel anion used in demineralization with good silica removal and better resistance to organic fouling. Recommended in regenerable applications on surface influent waters.
A-714 (Cl)	Acrylic gel	Cl	Acrylic strong base anion resin used in demineralization and organic traps. Highly resistant to organic fouling.
A-714 (OH)	Acrylic gel	OH	Acrylic strong base anion resin used in demineralization. Highly resistant to organic fouling.
A-399 (FB)	Weak base macroporous	Free base	High capacity weak base anion resin used in demineralization and acid removal applications. Excellent regeneration efficiency.
A-444 (FB)	Acrylic weak base	Free base	High capacity weak base acrylic anion resin used in demineralization and acid removal applications. Recommended in applications with high organics. Excellent regeneration efficiency.

Mixed bed			
Model	Type	Ionic form	Description
TM-8	Mixed bed	H/OH	1:1 chemical equivalent mix of C-211 (H) and A-244 (OH). High capacity general purpose mixed bed used in demineralization.
TM-9	Mixed bed	H/OH	1:1 chemical equivalent mix of C-211 (H) and A-464 (OH). General purpose mixed bed used in demineralization when silica reduction is important.
NR-6	Mixed bed	H/OH	1:1 chemical equivalent mix of C-211 (H) and A-284 (OH). High capacity general purpose mixed bed used in demineralization when silica reduction is important.

# Xylem resins - electronics grade

Cation			
Model	Type	Ionic form	Description
C-211 SG (H)	8% gel	H	Specially processed cation resin for separate bed demineralization applications in which low TOC leachables are desired.
C-361 SG (H)	10% gel	H	Specially processed cation resin for mixed bed demineralization applications in which low TOC leachables are desired. Higher capacity and more robust cation as opposed to C-211 SG (H).
C-361 MEG (H)	10% gel	H	Specially processed cation resin for mixed bed applications with low metal impurities content and low TOC throw.
C-361 MEG PPQ (H)	10% gel	H	Upgraded C-361 MEG (H) for mixed bed applications with lower metal impurities content and low TOC throw.
C-361 UPS MEG (H)	UPS 10% gel	H	Uniform particle size version of USF C-361 MEG PPQ.
C-361 MEG NANO (H)	10% gel	H	Upgraded C-361 MEG PPQ (H) for mixed bed applications with extremely low metal impurities content and lower TOC throw.
C-361 UPS MEG NANO (H)	UPS 10% gel	H	Uniform particle size version of USF C-361 MEG NANO (H).
C-281 (H)	Acrylic weak acid	H	Acrylic weak acid gel cation resin used in dealcalizing and softening.

Anion			
Model	Type	Ionic form	Description
A-284 SG (OH)	Gel type I	OH	Specially processed anion resin for separate bed demineralization applications in which low TOC leachables are desired.
A-464 SG (OH)	Gel type I porous	OH	Specially processed anion resin for mixed bed applications with low anion impurities content and low TOC throw.
A-464 MEG (OH)	Gel type I porous	OH	Specially processed anion resin for mixed bed applications with lower anion impurities content and low TOC throw.
A-464 MEG PPQ (OH)	Gel type I porous	OH	Upgraded A-464 MEG (OH) for mixed bed applications with lower anion impurities content and lower TOC throw.
A-464 MEG NANO (OH)	Gel type I porous	OH	Upgraded A-464 MEG PPQ (OH) for mixed bed applications with extremely low anion impurities content and lower TOC throw.
A-464 UPS MEG (OH)	UPS gel type I porous	OH	Uniform particle size version of A-464 MEG (OH).
A-464 UPS MEG NANO (OH)	UPS gel type I porous	OH	Uniform particle size version of A-464 SG (OH).

Mixed bed			
Model	Type	Ionic form	Description
NR-6 SG (H/OH)	Mixed bed	H/OH	1:1 chemical equivalent mix of C-211 SG (H) and A-284 SG (OH). High capacity mixed bed ideal in non regenerable applications requiring low TOC throw. Recommended for all primary system applications.
NR-30 SG (H/OH)	Mixed bed	H/OH	1:1 chemical equivalent mix of C-361 SG (H) and A-464 SG (OH). Ideal for regenerable applications requiring low TOC leachables.
NR-30 MEG (H/OH)	Mixed bed	H/OH	1:1 chemical equivalent mix of C-361 MEG (H) and A-464 MEG (OH). Ideal for regenerable applications requiring low TOC throw and very low cross contamination. Recommended for all primary system applications and polishing systems meeting ASTM E-1
NR-30 MEG PPQ (H/OH)	Mixed bed	H/OH	1:1 chemical equivalent mix of C-361 MEG PPQ (H) and A-464 MEG PPQ (OH). Recommended virgin resin in polishing systems meeting ASTM E-1.1 applications.
NR-30 MEG NANO (H/OH)	Mixed bed	H/OH	1:1 chemical equivalent mix of C-361 MEG NANO (H) and A-464 MEG NANO (OH). Upgraded NR-30 MEG PPQ (H/OH). Recommended virgin resin in polishing systems meeting ASTM E-1.2
NR-45 MEG (H/OH)	Mixed bed	H/OH	1:1 chemical equivalent of C-361 UPS MEG (H) and A-464 UPS MEG (OH). Recommended virgin resin in polishing systems meeting ASTM E-1.2 applications.
NR-45 MEG NANO (H/OH)	Mixed bed	H/OH	1:1 chemical equivalent mix of C-361 UPS MEG NANO (H) and A-464 UPS MEG NANO (OH). Recommended virgin resin in polishing systems meeting ASTM E-1.2 and SEMI F63 applications.

## Xylem resins - pharmaceutical/food and beverage

Cation			
Model	Type	Ionic form	Description
C-211 XRR (H)	8% gel	H	Cross regenerated with FDA compliant process for use in food, pharmaceutical and dialysis applications.
C-211 XRR (Na)	8% gel	NA	Cross regenerated with FDA compliant process for use in food, pharmaceutical and dialysis applications.
C-361 XRR (H)	10% gel	H	Cross regenerated with FDA compliant process for use in food, pharmaceutical and dialysis applications.

Anion			
Model	Type	Ionic form	Description
A-244 XRR (Cl)	Gel type II	Cl	Cross regenerated with FDA compliant process for use in food, pharmaceutical and dialysis applications.
A-244 XRR (OH)	Gel type II	OH	Cross regenerated with FDA compliant process for use in food, pharmaceutical and dialysis applications.
A-464 XRR (Cl)	Gel type I porous	Cl	Cross regenerated with FDA compliant process for use in food, pharmaceutical and dialysis applications with low silica requirements.
A-464 XRR (OH)	Gel type I porous	OH	Cross regenerated with FDA compliant process for use in food, pharmaceutical and dialysis applications with low silica requirements.

Mixed bed			
Model	Type	Ionic form	Description
TM-8 XRR (H/OH)	Mixed bed	H/OH	Cross regenerated with FDA compliant process for use in food and pharmaceutical applications.
TM-9 XRR (H/OH)	Mixed bed	H/OH	Cross regenerated with FDA compliant process for use in food, pharmaceutical and dialysis applications.

## Xylem resins - condensate polishing and nuclear

Cation			
Model	Type	Ionic form	Description
NR-1 (H)	8% gel	H	Low metals and low leachables cation resin for use in primary, secondary and rad waste applications.
C-361C (H)	10% gel	H	Low metals and low leachables cation resin for use in condensate polishing and high flow applications.
C-361 MEG (H)	10% gel	H	Low metals and low leachables cation resin processed for superior separation in critical mixed bed applications.
C-381C (H)	Macroporous	H	Low metals and low leachables macroporous cation resin for use in high flow and high temperature applications.
PURCAT C-381C (H)	Macroporous	H	Macroporous cation resin super cleaned per our patented processing procedure for use in applications requiring the critically low TOC extractables such as condensate polishing applications using alternate amine chemistry.
PURCAT C-381C UPS (H)	Macroporous	H	Uniform particle size macroporous cation resin super cleaned per our patented processing procedure for use in applications requiring the critically low TOC extractables such as condensate polishing applications using alternate amine chemistry.
C-373 PSSG (H)	ups 10% gel	H	Low metals and low leachables uniform particle size cation resin processed for superior separation in regenerable mixed bed applications.
PURCAT C-373C (H)	ups 10% gel	H	Uniform particle size cation resin super cleaned per our patented processing procedure for use in applications requiring the critically low TOC extractables such as condensate polishing applications using alternate amine chemistry.
C-471C (H)	16% gel	H	High crosslinked gel cation resin with low metals and low leachables for use in high flow and high temperature applications.
C-471 RLS (H)	16% gel	H	High crosslinked gel cation resin with low metals and low leachables for use in high flow and high temperature applications such as condensate polishing applications with extremely low sodium requirements.
PURCAT C-471C (H)	16% gel	H	High crosslinked gel cation resin super cleaned per our patented processing procedure for use in high flow and high temperature applications with low sodium requirements.
PURCAT C-471 RLS (H)	16% gel	H	High crosslinked gel cation resin super cleaned per our patented processing procedure for use in high flow and high temperature applications such as condensate polishing applications with extremely low sodium requirements.
C-661C (H)	16% gel	H	High crosslinked gel cation resin with low metals and low leachables for use in high flow and high temperature applications.
PURCAT C-661C (H)	16% gel	H	High crosslinked gel cation resin super cleaned per our patented processing procedure for use in high flow and high temperature applications with low sodium requirements.
TCD-1 (H)	Indicator dyed 8% gel	H	Indicator dyed cation resin used in differential cation conductivity measurements.

# Xylem resins - condensate polishing and nuclear

## Anion

Model	Type	Ionic form	Description
NR-2 LC (OH)	Gel type I	OH	Low chloride, low leachable anion resin for primary, secondary and rad waste applications.
A-284C (OH)	Gel type I	OH	Low leachable anion resin processed for high kinetics in mixed bed applications.
A-284 LS (OH)	Gel type I	OH	Less separable anion resin with low leachables for use in BWR condensate polishing and anion underlayment applications.
A-284 RLS (OH)	Gel type I	OH	Specially processed anion resin for condensate polishing applications with extremely low sodium requirements.
A-294C (OH)	UPS gel type I	OH	Uniform particle size anion resin processed for low leachables in mixed bed applications.
A-464 MEG (OH)	Gel type I porous	OH	Low leachable anion resin processed for superior separation in mixed bed applications.
A-254 PSSG (OH)	UPS gel type I porous	OH	Uniform particle size anion resin processed for low leachables and superior separation in mixed bed applications.
A-674 PSMBSG (OH)	Macroporous	OH	Macroporous anion resin processed for low leachables in mixed bed applications.

## Mixed bed

Model	Type	Ionic form	Description
NR-6 LC (H/OH)	Mixed bed	H/OH	Low chloride, low leachable mixed bed for use in primary and rad waste applications.
NR-31 LC (H/OH)	Mixed bed	H/OH	Low chloride, low leachable mixed bed for use in primary, secondary, condensate polishing and rad waste applications.
NR-79LC (H/OH)	Mixed bed	H/OH	Macroporous cation, gel anion mixed bed with low leachables and low chlorides designed for blow down demineralization applications and suppression pool for cobalt and cesium control.
NR-35 LC (H/OH)	Mixed bed	H/OH	Cation rich macroporous cation, gel anion mixed bed with low leachables and low chlorides designed for blow down demineralization applications and suppression pool for cobalt and cesium control.
NR-38 PSMBSG (H/OH)	Mixed bed	H/OH	Macroporous cation, macroporous anion mixed bed with low leachables and low chlorides designed for blow down demineralization applications and suppression pool for cobalt and cesium control.
NR-58LC (H/OH)	Mixed bed	H/OH	High cross linked gel cation and gel anion mixed bed designed for steam generator blow down demineralization applications with low sodium requirements.
PURCAT NR-63 RLS (H/OH)	Mixed bed	H/OH	High cross linked gel cation and gel anion mixed bed designed for steam generator blow down demineralization applications with extremely low sodium requirements.
NR-55LC (H/OH)	Mixed bed	H/OH	High cross linked gel cation and gel anion mixed bed for use in primary systems, steam generator blow down demineralization and nuclear applications with low sodium requirements.
NR-20LC (Li7/OH)	Mixed bed	Li7/OH	Lithium7 hydroxide form mixed bed with low leachables and low chlorides for use in primary systems.
NR-39LC (Li7/OH)	Mixed bed	Li7/OH	Lithium7 hydroxide form mixed bed with low leachables and low chlorides for use in primary systems. Higher capacity and more robust cation resin component as compared to NR-20LC.
NR-21LC (Li7/OH)	Mixed bed	Li7/OH	Lithium7 hydroxide form mixed bed with low leachables and low chlorides for use in primary systems. Higher capacity and more robust cation resin component as compared to NR-20LC and NR-39LC.
NR-17LC (H/BO3)	Mixed bed	H/BO3	Borating mixed bed with low leachables and low chlorides.

# Xylem | 'zīlām|

- 1) the tissue in plants that brings water and nutrients upward from the roots.
- 2) a leading global water solutions company.

Xylem is a leading global water solutions company dedicated to advancing sustainable impact and empowering the people who make water work every day. Xylem connects diverse capabilities and innovative technologies to provide tailored solutions across the entire water cycle. From moving, treating and measuring water to optimizing and maintaining water systems, Xylem collaborates with customers to solve their most critical challenges. Together, through partnerships with utilities, industrial manufacturers, building operators, and communities, we are building a more water-secure world.

**For more information on how Xylem can help you, visit [xylem.com](https://xylem.com).**

[xylem.com](https://xylem.com)



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The Xylem logo, consisting of the word "xylem" in a lowercase, blue, sans-serif font.