

SULPHURIC ACID INDUSTRY RESOURCES

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Sulphuric Acid Industry Resources

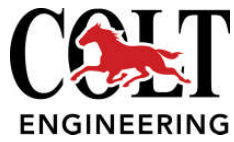
This document contains references to certain equipment, services, technology, vendors and suppliers. Such references are included for reference only and are intended for evaluation by persons having requisite knowledge, skill and experience in the chemical and sulphuric acid industry. These references are not to be construed as endorsements or recommendations for any particular equipment, service, technology, vendor or supplier, nor are they intended to exclude or disfavor any other of same. An independent evaluation of equipment, technology, vendors and suppliers should be performed and the ultimate decision as to selection of same rest solely with the persons performing the evaluation.



Sulphuric Acid Industry Resources

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Introduction

Everyday we are faced with questions related to the business of sulphuric acid whether it is about plant operations, equipment maintenance, materials of construction, etc. The major problem sometimes is where to find the answers to our questions. There are a variety of resources that we can access to find answers.

The easiest source is your fellow workers and colleagues. Everyone has a different storehouse of experience and knowledge and someone close by may have the answer. If you can't find a suitable answer to your question in your immediate circle of people, you will need to go further out in search of an answer.

Vendors, consultants and contractors have a wealth of experience and knowledge. The key point is that they see problems and solutions in plants other than your own and perhaps can answer your question or resolve your problem based on what was done somewhere else.

Journals provide up-to-date information and can be retained to build a reference library of information. Books that deal specifically with the sulphuric acid industry are few and most are out-of-date regarding the latest technology and practices. However, they are still useful for research and the historical perspective they provide on the industry.

Conferences and workshops are invaluable for the opportunity to learn about the latest developments in the industry but more importantly to network with other people in the industry.

The advent of the internet has revolutionized access to information. Virtually all companies related to the sulphuric acid industry have a presence on the internet. Websites vary considerably in terms of usefulness, information, downloads, etc. The most useful sites are updated on a regular basis and provided information and answers on-line.

The majority of the content provided in this document concerns how to find information on the internet. The internet is constantly changing and this is but a snapshot of what is presently available.

Books

Author	Title	Availability
Fairlie, A.M.	<i>Sulfuric Acid Manufacture</i> ACS Monograph Series No. 69 Reinhold Publishing Corporation	Out of Print
Duecker, J.R. and West, W.W.	<i>Manufacture of Sulfuric Acid</i> ACS Monograph Series No. 144 Krieger Publishing Co. ISBN 0882750151	Out of Print
Fasullo, O.T.	<i>Sulphuric Acid; Use and Handling</i> McGraw-Hill	Out of Print
Sander, U.H.F.	<i>Sulphur, sulphur dioxide, and sulphuric acid: An introduction to their industrial chemistry and technology</i> Verlag Chemie International/British Sulphur Corporation ISBN 0902777645	Out of Print
Louie, D.K.	<i>Handbook of Sulphuric Acid Manufacturing</i> DKL Engineering, Inc.	To be published



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Journals

Title	Frequency	Availability
<i>Sulfuric Acid Today</i> A Keystone Publishing Publication	Two times per year	By Subscription Kathy Hayward P.O. Box 3502 Covington, LA 70434 (USA) Phone: 985-893-8692 Fax: 985-893-8693 Email: publisher@H2SO4today.com
<i>Sulphur</i> British Sulphur	Six times per year	By Subscription Derek Winterbottom Phone: 44 20 7903 2056 Fax: 44 20 7903 2172 Email: derek.winterbottom@crugroup.com



Associations and Organizations

Fertilizer

Association/Organization	Website
Canadian Fertilizer Institute	www.cfi.ca
Department of Fertilizers Ministry of Chemicals & Fertilizers Government of India	www.fert.nic.in
European Fertilizer Manufacturers Association (EFMA)	www.efma.org
The Fertilizer Association of India (FAI)	www.fertindia.com
Fertilizer Industry Federation of Australia Inc.	www.fifa.asn.au
The Fertilizer Institute	www.tfi.org
Fertilizer Manufacturers Association	www.fma.org.uk
International Fertilizer Development Centre (IFDC)	www.ifdc.org
International Fertilizer Industry Association (IFA)	www.fertilizer.org/ifa
The International Fertilizer Society	www.fertilizer-society.org

Agriculture

Association/Organization	Website
Foundation for Agronomic Research	www.ppi-far.org
United States Department of Agriculture (USDA)	www.usda.gov

Associations and Organizations (continued)

Metals

Association/Organization	Website
Government of Chile - Chilean Copper Commission	www.cochilco.cl
International Zinc Association	www.iza.com
International Lead Zinc Research Organization, Inc.	www.ilzro.org
Lead Development Association International	www.ldaint.org

Sulphur/Sulphuric Acid

Association/Organization	Website
Alberta Sulphur Research Ltd.	www.chem.ucalgary.ca/asr/
British Sulphur	www.britishsulphur.com
Phosphate Maintenance Roundtable	www.phosphatemaintenanceroundtable.com
The Sulphur Institute	www.sulphurinstitute.org
Sulfuric Acid Today	www.h2so4today.com
Sulfuric Acid Network	www.h2so4network.com

Professional

Association/Organization	Website
American Institute of Chemical Engineers (AIChE) Central Florida Section	www.aiche-cf.org

Industry Research

Association/Organization	Website
CRU International Ltd. (British Sulphur)	www.cru-int.com www.britishsulphur.com
Fertecon	www.fertecon.com
Fertilizer Week	www.fertilizerweek.com
The FMB Group	www.fmb-group.co.uk
Gobi International	www.gobi.co.uk

Equipment Suppliers

Acid Resistant Linings and Mortars

Company	General Description	Website
The Accrington Brick & Tile Company (UK)	Accrington have many years experience in the design, supply and installation of brickwork linings for sulphuric acid plant vessels.	www.nori-acidbrick.com
Alphatherm Inc. (Canada)	Suppliers of acid resistant brick and mortar. Also suppliers of refractory materials.	www.alphatherminc.com
Arcoy Industries (India)	Manufacturer of corrosion resistant materials. Arcoy are capable of executing complete turnkey construction contracts in India and abroad.	www.arcoy.com
Atlas Minerals & Chemicals (USA)	Acid resistant linings.	www.atlasmin.com
The Belden Brick Company (USA)	Manufacturers of red shale and fireclay brick	www.beldenbrick.com
Brant Corrosion (Canada)	Suppliers of acid resistant brick and mortar	www.brantbcc.com
Electro Chemical Engineering and Manufacturing Co. (USA)	Suppliers of acid resistant lining systems	www.electrochemical.net
Gunatit Builders Pvt. Ltd. (India)	Quality manufacturer and exporter of acid resistant bricks and mortar. Also installation of acid resistant linings	www.gunatit.com
Henkel Surface Technologies Corporation	Formerly Pennwalt, Elf AtoChem, Atofina. Supplier of acid resistant linings and mortar.	www.furalac.com/corrosion
Koch Industries, Inc. (USA)	Koch supplies ceramic products and associated materials for acid proof construction	www.kochind.com www.kochknight.com
Kothari Corrosion Controllers (KCC)		www.acidproof.com
National Acid-Proofing, Inc.	Specializing in acid resistant floors	www.nationalacidproofing.com
SGL Carbon Group	Acid resistant linings	www.sglcarbon.de
Stebbins Engineering and Manufacturing Company		www.stebbinseng.com
Steuler Industrierwerke GmbH (Germany)	Acid resistant linings and self-supporting 'Steuler' dome	www.steuler.de
Summitville Tiles, Inc.	Specializing in acid resistant floors	www.summitville.com
WECO Limited	Chemical resistant masonry consultants	www.wecolimited.com



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Equipment Suppliers (continued)

Anodic Protection Systems

Company	General Description	Website
Corrosion Service (Canada)	Anodic protection of acid coolers and piping.	www.corrosionservice.com
EKS GmbH	Anodic protection of acid coolers, piping and air-cooled exchangers.	www.eks-gmbh.de
West Coast Corrosion Prevention Ltd. (Canada)	Cathodic and anodic protection systems	www.westcoastcorrosion.com

Blower and Compressors

Company	General Description	Website
A-C Compressor Corporation GE Power Systems	Single stage centrifugal compressors	www.accompressor.com
Aktiengesellschaft Kuhle, Kopp & Kausch (KKK)	Turbomachinery, single stage centrifugal compressors KKK, HV-TURBO, SCHIELE	www.agkkk.de
Elliot Turbomachinery Co., Inc. (A wholly-owned subsidiary of Ebara Corporation)	Single stage centrifugal compressors, P-Line series.	www.elliott-turbo.com

**Blowers and Compressors
Vibration Monitoring**

Company	General Description	Website
Bently Nevada	Vibration and temperature monitoring equipment	www.bently.com

**Blowers and Compressors
Blower Maintenance**

Company	General Description	Website
Intergrated Turbomachinery	Manufacturing and re-engineering compressor impellers for the SO ₂ industry.	www.integratedturbo.com

Equipment Suppliers (continued)

Catalyst

Company	General Description	Website
BASF	Types 04-110, 04-111 and 04-115 catalysts	www.basf.com Catalyst Link
Enviro-Chem Systems	Monsanto catalyst	www.enviro-chem.com
Haldor Topsoe A/S	VK series of catalyst	www.topsoe.com Catalyst Link
Hengyeng Xiangnan Chemical Plant of Hunan Province	Chinese catalyst manufacturer and supplier.	http://www.xn-chem.com/product.htm
Projects and Development India Ltd.	Indian manufacturer of sulphuric acid catalyst.	business.vsnl.com/pdil/catalysts.htm

Catalyst Recycling

Company	General Description	Website/Contact
Gulf Chemical & Metallurgical Company	Currently in the process of being able to take spent sulphuric acid catalyst for recycling. Cost will depend on contaminants, moisture content and vanadium content. Acceptance of spent catalyst expected to begin in 1st quarter of 2003.	www.gulfchem.com
Shenyang Fortune Vanadium Industrial Company Limited	Specializing in recycling non-ferrous metal bearing secondaries i.e. catalyst, oil fly ash, residues, scrap, etc.	Contact: Jason Wang Tel: 8610 6848 0023 Fax: 8610 6848 0029 email: cn_recycle@yahoo.com
Metallurg Vanadium		www.shieldalloy.com/vanadium.html 60790 Southgate Road Cambridge, OH 43725 USA Tel: 1-800-318-8662 740-432-6345 or 1-800-762-2323 Fax: 740-432-5937
US Vanadium		137 47th St. Niagara Falls New York USA 14302 Tel: 716 286-4000
AMLON Metals, Inc.		40 Rector Street New York, NY 10006 (212) 742-1043



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Equipment Suppliers (continued)

Catalyst Screening Equipment

Company	General Description	Website/Contact
Auburn Group	BearKat catalyst screening equipment systems designed for a dust free work environment, high performance and low catalyst breakage.	www.auburnl.com

Dampers

Company	General Description	Website/Contact
Application Sales Corp	Manufacturer of 'Specialty Damper Valves' that are utilized in many Pollution Control, Mining, Petrochemical, Pulp & Paper, and Industrial Applications.	www.asc-valves.com
Bachmann Dampjoint Inc. (Canada)	Manufacturer of metal gas dampers and expansion joints	www.bachmann.ca
Flextor Inc.	Manufacturer of metal gas dampers and high temperature expansion joints	www.flextorinc.com
Flowseal Engineering (Pty) Ltd. (South Africa)	Dampers	www.flowseal.co.za

Expansion Joints

Company	General Description	Website/Contact
Bachmann Dampjoint Inc. (Canada)	Manufacturer of metal gas dampers and expansion joints	www.bachmann.ca
Flextor Inc.	Manufacturer of metal gas dampers and high temperature expansion joints	www.flextorinc.com
Senior Flexonics Canada	Manufacturer of multi-convolution expansion joints and flexible hose.	www.flexonics.ca



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Equipment Suppliers (continued)

Dilution Systems

Company	General Description	Website/Contact
Powell Fabrication & Manufacturing Inc.	Sulphuric acid dilution systems	www.powellfab.com Dilution Systems

Electrostatic Precipitators

Company	General Description	Website/Contact
BACT System AB	Mission is to provide high performing wet and dry electrostatic precipitators flange-to-flange or as components.	www.bact.se
Belco Technologies Corporation	ND™ WESP	www.belcotech.com
Beltran Associates Inc.		www.beltranassociates.com
FLSmith	Dry and wet ESP's	www.flsmidth.com
Hamon Research-Cottrell		www.hamon.com
Korea E.P. Co., Ltd.		www.koreaep.co.kr
Lockwood Greene Petersen	Square lead collecting tubes	www.lg.com/about/locations/profile/wiesbaden-lgp.asp
Lurgi Bischoff Lurgi PSI		www.lurgi-bischoff.com www.lurgipsi.com
Outokumpu Technology	Boliden Contech WESP technology	www.outokumpu.com
TurboSonic Technologies, Inc.	SonicKleen™ WESP	www.turbosonic.com



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Equipment Suppliers (continued)

FRP/Plastics

Company	General Description	Website/Contact
Chemical Process Equipment Limited (India)	FRP fabricator	www.cpel.com
BELCO Manufacturing Co. Inc.	FRP fabricator (Texas, USA) (part of Denali Incorporated)	www.belco-mfg.com
Ershigs, Inc.	FRP fabricators (Bellingham, WA, USA) (part of Denali Incorporated)	www.ershigs.com
Fabricated Plastics Limited (FABCO)	FRP and thermoplastics. Of special note is the case history of the FRP Joy precipitators (Maple, Ontario, Canada)	www.fabricatedplastics.com
Fibra S.A.	FRP and plastic fabricator in Chile	www.fibra.cl
H.E. Fiberglass	FRP and plastic fabricator in Chile	www.hefiberglass.cl
AC Plastiques Canada Inc. (Prolite Plastics)	Vancouver, Canada based fabricator of plastic equipment (Vancouver, BC, Canada)	www.acplastiques.com www.proliteplastics.com
Troy Manufacturing	FRP and thermoplastics (Canada)	www.troymfg.com
Smith Fiberglass Products Company	Manufacturer of Z-Core fiberglass pipe	www.smithfiberglass.com
Southwest Fiberglass, LLC	FRP fabricator (USA)	www.southwestfiberglass.com
Belding Tank Technologies, Inc.	FRP tank manufacturer	www.beldingtank.com



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Equipment Suppliers (continued)

Gas Cleaning

Company	General Description	Website/Contact
Lurgi Bischoff Lurgi PSI	Full range of gas cleaning equipment and technology	www.lurgi-bischoff.com www.lurgipsi.com
Monsanto Enviro-Chem	Dynawave scrubbing technology	www.enviro-chem.com
Outokumpu Technology	Boliden Contech WESP technology	www.outokumpu.com
SWEMCO	Gas cleaning equipment. Gas scrubbers	No web site

Gaskets

Company	General Description	Website/Contact
W.L. Gore and Associates	GORE-TEX product line	www.gore.com
Garlock	GYLON product line	http://www.garlock.com/
Durabla Manufacturing Co	DURLON product line New corporate web site that contains new information and complete data for the Durlon style of products.	www.durlon.com
DuPont Dow	Elastomers - Viton, Nordel, Kalrez, etc.	www.dupont-dow.com
Flexitallic	Spiral wound gaskets	www.flexitallic.com

Equipment Suppliers (continued)

Heat Exchangers

Plate and Frame

Company	General Description	Website/Contact
Alfa Laval	General information on plate heat exchangers. Visit the US Thermal site for specific info on sulphuric acid application www.us.thermal.alfalaval.com	www.alfalaval.com
APV	Supplier of plate and frame heat exchangers. Lots of technical data available for their product line. Plate Heat Exchanger Wizard	www.apv.com www.phewizard.com/content.asp
SONDEX A/S	Supplier of plate and frame as well as other type of heat exchangers. Associated companies: - Sondex (UK) Ltd - Sondex BV - Sondex Poland Sp. z o.o.	www.sondex.dk www.sondexuk.com www.sondex.nl www.sondex.pl
Tranter PHE, Inc.	Suppliers of the Superchanger line of plate and frame heat exchangers.	www.tranter.com

Heat Exchangers

Gas-to-Gas

Company	General Description	Website/Contact
Enviro-Chem Systems	Custom designed shell and tube heat exchangers. Also offer the MonPlex plate heat exchanger.	www.enviro-chem.com
Chemetics	Custom designed shell and tube heat exchangers featuring a unique patented tube layout.	www.chemetics.ca
NORAM - CECEBE	Custom designed shell and tube heat exchangers featuring a unique patented tube layout.	www.noram-eng.com/sulfuric.htm
Outokumpu Technology	Custom designed shell and tube heat exchangers with disc and donut baffles.	www.outokumpu.com

Equipment Suppliers (continued)

Heat Exchangers

Shell and Tube Acid Coolers

Company	General Description	Website/Contact
Enviro-Chem Systems	Anodically protected shell and tube acid coolers. Quotes for Alfa Laval plate heat exchangers can also be obtained through Enviro-Chem Systems.	www.enviro-chem.com
Chemetics	Anodically protected shell and tube acid coolers.	www.chemetics.ca
NORAM - CECEBE	Anodically protected shell and tube acid coolers.	www.noram-eng.com/sulfuric.htm
Edmeston AB	Sandvik SX shell and tube acid coolers (no anodic protection required)	www.edmeston.se www.processsystems.sandvik.com

Heat Exchangers

Specialty

Company	General Description	Website/Contact
A-X Heat Transfer	Cast iron serpentine cooler. Formerly marketed under the names of Pentex, National and Crane.	www.axheattransfer.com
Titan Metal Fabricators Inc.	Manufacturer of process heat exchangers, using the reactive metals Tantalum, Zirconium, Niobium and Titanium. Experience with concentrating sulfuric acid.	www.titanmf.com
Brown Fintube	Manufacturer of tank heaters used in molten sulphur service	www.brownfintube.com
GAB Neumann GmbH	Annular Groove heat exchanger used for dilution and cooling of sulphuric acid	www.gab-neumann.de
Graphite India Limited	Graphite heat exchangers	www.graphiteindia.com

Equipment Suppliers (continued)

Heat Exchangers

Air Cooled

Company	General Description	Website/Contact
Exchangers Industries (Canada)	Finned fan coolers and waste heat boilers	www.exchangersindustries.com
Calhex Industries Ltd. (Canada)	Finned fan coolers	www.calhexindustries.com
Hudson Products Corporation (USA)	Finned fan coolers	www.hudsonproducts.com
GEA Luftkuhler GmbH (Germany)	Air cooled sulphuric acid coolers	http://www.gea-luftkuehler.de/english/nbsp/index.html

Lead Lining

Company	General Description	Website/Contact
Arcoy Industries (India)	Manufacturer of corrosion resistant materials. Arcoy are capable of executing complete turnkey construction contracts in India and abroad.	www.arcoy.com
The Canada Metal Group (Canada)	Various lead products	www.canadametal.com
Cetex (Manali, Chennai)	Erection and maintenance of equipment made of lead, glass & glass-lined.	www.cetexservices.com
El Dorado Metals, Inc.	A lead burning contractor that manufactures lead lined process equipment for the sulphuric acid industry. Specializing in electrostatic precipitators and homogeneous lead linings	www.eldomet.com
General Smelting Company of Canada Ltd.	Suppliers of lead and lead burning services	www.generalsmeltingofcanada.com
JL Goslar (Germany) (Formerly Neue Apparatebau Goslar GmbH)	Homogeneous lead lining, wet electrostatic precipitator fabrication and other process equipment	www.apparatebau-goslar.de
NECLO (USA)	Supplier of lead lining services	www.nelco-usa.com
Royston Lead Ltd. (UK)	Supplier of lead lining services	www.roystonlead.co.uk



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Equipment Suppliers (continued)

Loading/Unloading Accessories

Company	General Description	Website/Contact
Rail, Barge, Truck (RPT) Services, Inc.	Portable loading and unloading platforms	www.rbtsi.com
PM Systems	Loading/unloading platforms and systems	www.pmsystems.on.ca

Materials of Construction

Metals

Company	General Description	Website/Contact
Meehanite	Ductile iron piping	www.meehanite.com www.meehanite.co.uk
Edmeston AB	Edmeston SX System for sulphuric acid. SX piping class	www.edmeston.se www.processsystems.sandvik.com
Chas. S. Lewis Pumps	LEWMET	www.lewisumps.com

Materials of Construction

Diffusion Coatings

Company	General Description	Website/Contact
National Research Development Corporation (NRDC)	Calorizing technology	www.nrdcindia.com/pages/calori.htm
VaporKote (USA)	Gas diffusion coatings	www.vaporkote.com

Materials of Construction

Metallizing

Company	General Description	Website/Contact
Sulzer Metco	Metallizing	www.sulzermetco.com



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Mist Eliminators

Company	General Description	Website/Contact
ACS Filters	Represent MECS Brinks mist eliminators	www.acsfilters.com
Amistco Separation Products, Inc.	Manufactures mesh type mist eliminators specifically for the Sulfuric Acid Industry. North American licensee for Begg Cousland candle type mist eliminators	www.amistco.com
Begg Cousland	Mist Eliminators	www.beggcousland.com
CECO Environmental Corp	CECO Filters - Mist Eliminators	www.cecoenviro.com
Enhanced Separation Technologies LLC (KnitMesh Ltd.)	Manufacture knitted wire mesh pads in a variety of materials	www.est-us.com
Harmor Technologies	Represents Enhance Separation Technologies mesh pad product line	www.harmor.com
Kimre, Inc.	B-GON mist eliminators	www.kimre.com
Koch-Glitsch	Mist Eliminators. Online datasheet/inquiries	http://www.koch-ottoyork.com/
Monsanto Enviro-Chem	Mist Eliminators. Brinks	www.enviro-chem.com

Equipment Suppliers (continued)

Packing

Company	General Description	Website/Contact
Rauschert GmbH & Co. KG	Supplier of ceramic packing	www.rauschertus.com
Koch Knight LLC	Supplier of ceramic random packing and structured packing	www.kochknight.com
Lantec Products (USA)	Supplier of ceramic packing and specialty plastic packings Q-PAC, LANPAC	www.lantecp.com
Madhya Bharat Ceramics (India)	Supplier of a variety of ceramic packing including saddles and cross-partition rings	www.mbctowerpack.com
Saint-Gobain NorPro GmbH	Packing and packing support systems (Aludur)	www.saint-gobain.com
Vereinigte Füllkörper-Fabriken GmbH & Co. (VFF)	Supplier of plastic and ceramic packing	www.vff.de
Jiangxi Weihua Industrial Porcelain Industry Co., Ltd. (China)	Manufacturer of plastic, ceramic and metal packings. Standard saddles packing is available as well as structured packing.	www.weihuacn.com
BeiHai HuiHuang Chemical Packing Co. Ltd. (China)	Ceramic packing manufacturers	www.huihuang-packing.com
Pingxiang Chemshun Ceramics Co., Ltd. (China)	specializing in the manufacture of chemical packing (metal: plastic, ceramic and metal), ceramic grinding balls & honeycomb ceramics	www.chemshun.com



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Equipment Suppliers (continued)

Piping

Molten Sulphur

Company	General Description	Website/Contact
Controls Southeast, Inc.	Fabricated jacketed systems, bolt-on heating, flexible metal hose products	www.csiheat.com

Piping

Strong Acid

Company	General Description	Website/Contact
Acid Piping Technology, Inc.	Suppliers of MONDI cast iron piping	www.acidpiping.com
Enviro-Chem Systems	Suppliers of ZeCor high silicon austenitic stainless steel piping.	www.enviro-chem.com
Chemetics	Suppliers of SARAMET high silicon austenitic stainless steel piping.	www.chemetics.ca
Metacast Engineering Works PVT. LTD.	Producers of cast iron pipe and fittings	www.pipefitingsindia.com
Edmeston AB	Suppliers of SX high silicon austenitic stainless steel piping.	www.edmeston.se www.processsystems.sandvik.com

Piping

Flange Guards

Company	General Description	Website/Contact
RAMCO Manufacturing Company Limited	A variety of different styles and types	www.ramco-safetyshields.com



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Equipment Suppliers (continued)

Sulphur Filters

Company	General Description	Website/Contact
Ascension Industries Inc.	Pressure leaf filters for filtering molten sulphur. Formerly Filtration and Separation Dynamics (FSD) a division of Aquacare Systems, Inc.	www.asmfab.com
Sparkler Filters International	Suppliers of filters for filtering of molten sulphur.	www.sparkler.nl www.sparkler.com



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Downloads

Source	Website	Description
Control Southeast, Inc.	www.csiheat.com	CSI Jacketed Piping Products and Systems
Edmeston	www.edmeston.com	View and download all SX piping specifications
Amistco Separation Products, Inc.	www.amistco.com	Mist eliminator installation guide
European Fertilizer Manufacturer's Association (EFMA)	www.efma.org	Best Available Technology (BAT) report for the sulphuric acid industry as well as for other fertilizer industry processes.
AC Plastiques Canada Inc. (Prolite Plastics Ltd.)	www.proliteplastics.com	Dual laminate piping handbook
Henkel Surface Technologies Corporation	www.furalac.com/corrosion	Various information on acid resistant lining and materials