



salem-republic
rubber company
sebring, ohio

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Big hose, big project Salem-Republic addition nearly complete

By Bruce Meyer

Rubber & Plastics News Staff

SEBRING, Ohio—Salem-Republic Rubber Co. is nearing the completion of an expansion that will add capacity, make operations more efficient and allow the firm to be more competitive in certain markets.

The maker of large-diameter hose and calendered goods invested about \$1.7 million to demolish one area of its Sebring operation and replace it with a new structure, according to President Drew Ney.

Salem-Republic took out its prior shipping/receiving and raw materials inventory storage area and constructed a 22,515-sq.-ft. steel free-span building. The area will house the firm's subassembly material equipment as well as a new large-bore hose work station.

It will be supported by a refurbished 8-foot by 56-foot autoclave that will be in its own, new 2,560-sq.-ft. steel building that will go up in the near future.

The company will be able to make hose configurations up to 72 inches in outside diameter, compared to the previous limit of 54 inches, Ney said. This will help the manufacturer in its quest to get a greater foothold in the floating dredge hose market.

Salem-Republic plans to add three more hose-building work stations in the near future adjacent to the autoclave, giving the firm 12 in all. The project also included a 20-ton, 1,800-sq.-ft. bridge and monorail crane system to move product around the factory more easily, and a 60-foot monorail that is half in the building and half over the shipping dock. This new infrastructure will greatly cut the labor involved in loading hoses onto a flatbed semi-trailer, he said.

"With a lean approach in the design for this project, the building will greatly enhance work flow and materials management," Ney said.

New part of history

Salem-Republic celebrated its 40th anniversary last year, and the new building brings its workplace into the new century, according to company officials. The structure gives the company 68,000 square feet of manufacturing space and 190,000 square feet overall.

But a large portion of that is a warehouse building that dates to 1908, Ney said, while the other manufacturing facility, constructed in 1948, has roof supports located every 22 feet and just 12 feet of head space.



RPN photo by Bruce Meyer
From left, Salem-Republic Rubber Co.'s James Dunchuck, James Grossi and Drew Ney show off a refurbished autoclave in a newly constructed addition at the firm's factory.

“We’ve had to design to a very difficult limitation, especially when we’re making 50-foot products,” said Ney, whose father, Andrew, was the founder of the company.

“It’s a credit to our engineers and our manufacturing people that we have been so successful. You can’t believe how we’ve had to move product around. This is going to give us a huge advantage in terms of work flow with the clear span. It’s going to be a significantly more advantageous work space.”

Engineering Manager James Grossi said the new building improved many different facets of the operation, from expansion growth and efficiencies to a more streamlined shipping and inventory department. Starting from scratch is tougher than it sounds, he said, because so many details have to be addressed.

“You’re going from the way we did things because of what we were given, to anything goes to make it the best it can possibly be,” according to Grossi.

“It’s difficult to do, but the rewards are huge,” the executive said.

From a sales perspective, it will give Salem-Republic the freedom to aggressively pursue the large-diameter floating hose market, among some other products, said James Dunchuck, vice president of sales and marketing. “We had some limitations with our previous vulcanizer that would make it difficult at best to do large-diameter floating dredge hose,” he said.

Fueling growth

Revenues for the Sebring-based firm grew about 30 percent combined during 2011 and 2012, and Ney expects sales to climb another 30 percent by the end of 2015. He declined to disclose exact sales totals.

The company made significant gains in the mining market the last couple of years, an arena often dominated by hose in the 30- to 42-inch internal diameter range, Dunchuck said.

“Our ability to get throughput for those types of hoses is something that this addresses. We can now load flatbeds via overhead cranes, and we have bay doors that allow us to take hose via overhead cranes and put them right on a flatbed,” he said. “Before, this had to be accomplished with three men and a couple of forklifts. The loading time and labor requirements alone that are addressed by some of these additions are huge to us.”

Ney said the boost in mining-related business comes from both new accounts and current customers growing. He also believes it’s no secret why his company is succeeding: “Excellence in customer service, excellence in engineering and excellence in manufacturing. We’ve made a science out of it.”

Most of the company’s business is handled through distributors, but the manufacturer built some connections with OEM accounts, Dunchuck said. Salem-Republic

also benefits from its expertise in building the large-diameter hoses.

“When diameters get large enough we get calls from competitors asking if we’d like to quote on something in excess of 30 inches or 36 inches because we have these capabilities,” he said.

The addition will allow the company to reconnect with some of the markets where it has lost market share, Dunchuck said, such as the municipal and industrial vacuum market. “We see this as an opportunity through increased throughput and increased efficiencies to reposition ourselves in that market,” he said.

Lowering lead times is another benefit of the expansion, the sales vice president said. “Lead times are often more important than price,” Dunchuck said. “The market ultimately determines the price for any goods that you’re offering. If you can offer the products in a much quicker manner, it allows you to capitalize on some more profitable opportunities.”

Salem-Republic strives to have lead times in the three-to four-week range, but that can’t always be the case depending on work load, he added.

Ney said the company historically has been opposed to debt—his father’s philosophy was to never borrow money—but that the low interest rate and competitive construction costs were too good to pass up. Salem-Republic participated in an Ohio loan guarantee program that enhances the interest rate significantly based on hiring and job maintenance.

The company plans to hire five to 10 employees in the next 12-18 months and as many as 20 over the next couple years, he said. Its current head count is 52.

Given the nature of building large-diameter hose, the firm needs a skilled work force, meaning it can’t just bring in staff from a temporary agency when orders surge, Dunchuck said.

“We need to develop the book of business that allows us to keep the skilled employees in their positions long term,” he said. “The worst thing that can happen is we bring in employees, we invest in training them and then we can’t retain them.”

Other markets

Salem-Republic products are used in a variety of other industries, including steel, industrial process and aviation. It also has been seeing good results from its calendered tank lining products, a market it entered within the last two years.

“The tank lining business has sustained itself and is paying for itself,” Ney said. “We would love to have more



RPN photo by Bruce Meyer

Here are some of the large-diameter hose products that make up the bulk of Salem-Republic Rubber. Co.’s business waiting to be shipped from the addition at the company’s Sebring, Ohio, operation.

tank lining business and we intend to get it.”

Dunchuck said tank lining is a good market to be in because the cost is based more on material than labor. It also brings future growth potential, he said, because Salem-Republic represents a viable third source to the two companies that currently dominate the market.

About two-thirds of the firm’s business comes from industrial hose, with calendered goods and products for aviation ground support equipment accounting for the rest.

“Our diversity has been a large part of the secret to our success and our growth,” Ney said. “We’re diverse enough when one industry goes down, another grows, so we are never hindered by any one market having a slump.”

And he sees no reason Salem-Republic won’t continue to see more growth and higher profits. “I think we’re in a unique spot of maturity and strength in personnel that we have never been in our history,” the company president said. “This facility is just so exciting, so dynamic, so inspiring. I think it’s going to revolutionize us.”



Founded: 1972.

Location: Sebring, Ohio.

Products: Large-diameter hose, calendered goods.

Markets: Steel, mining, dredge, industrial process and aviation.

Corporate hierarchy:

- Drew Ney, president, CEO and chairman; 20 years with company.
- Don McCaughtry, vice president of operations and product development, corporate officer; with company since its founding; holder of two patents.
- James Dunchuck, vice president of sales and marketing, and a corporate officer; 12 years with company.
- James Grossi, director of engineering; four years with company.



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MATERIAL HANDLING - "FLEX – RITE"

Abrasive Discharge-static discharge
Ash Disposal –fly & bottom
Barge Loading-dry goods, slurry
Dry Bulk
Dry Cement
Elephant Trunk
Fish Suction-high abrasion, oil resistant
Flex-Rite Rubber Pipe-slat, fertilizer, metal
Rock dust, wood chips
Gunit-pure gum & static conductive
Hot Air Blower-cement
Hot Tar & Asphalt-rough bore/smooth viton
Insulation Blower
Mud Pump Suction
Oil Suction & Discharge
Pneumatic Conveying
PVC Pellet Vacuum-rail, hopper, extruder
Rhino Skin/Rhino Skin Superglass
Sand Blast
Sand Blast Vacuum Return
Sand & Gravel-suction & discharge
Slurry-tailings, fly ash, waste & refuse handling,
Quarry products
Taconite-ore processing

LEAF COLLECTOR -

"COR-U-FLEX CORRUGATED BORE

Heavy Duty Catch Basin
Medium Weight Scavenger
Light Weight Leaf Collector
Special Pick-up & Sweeper Box Hose
Special Types- $\frac{1}{2}$ corrugated, $\frac{1}{2}$ smooth inside
(for all vacuum truck models)
Suction/Pressure
Suction Box/Paper Mill
(for all truck or trailer mounted units)

VACUUM LOADER HOSE - "VOL-U-FLEX" SMOOTH BORE"

Extra Heavy Duty Vactor
Heavy Duty Line
Heavy Duty Port
Light Weight
Superlite
Superlite Plus
(for all truck or trailer mounted units)

AVIATION GROUND SUPPORT

Jet Air Start Hose-cold & hot
LCD Leno Scuff Cover
Ground Power Cable Scuffer

LCD HOSE

(Low Coefficient of Drag)

Carbon Injection
Pulverized coal
Jet Starter Scuff Jacket
Ground Power Cable Scuffer
Glideflex Tank Truck Hose

CABLE COVER

Custom Bumper Hose/individual/spiral
Fiberglass Covered
Neoprene Covered
Rubber Covered
Scuff Hose

DREDGE HOSE

Custom Flange Ends-4 styles
Discharge-type SDH/SDS
Gimbal Joint
Sleeves-type SDS
Suction-type SDH



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BUMPERS-AVIATION & MARINE

WATER HOSE

Creamery Washdown-nozzle ends
Discharge-"Mahoning"
Discharge-various compounds
Fire Engine Hard Suction-smooth &
 corrugated internal expanded
 couplings available
Furnace Door Cooling-fiberglass & Nomex
 Covers
Superglass I (SG-1)
Superglass II (SG-1)
Furnace Water Intake-steel/plastic wire
 Reinforced
Paper Mill Washdown
Suction & Discharge-corrugated & smooth
 Bore

TANK TRUCK-"VOL-U-FLEX"

Pit Refueling-Indy race car
Petroleum-drop hose, 150 PSI transfer,
 vapor recovery
Glideflex LCD

AIR HOSE

Air Brake Quality
Blower & Exhaust
Hot Air Blower
Oxygen Injection

TUBING-MANDREL WRAPPED

½" – 42" Inside Diameter
1/8" or over Wall Thickness
Butyl, EPDM, FDA Accepted, Hypalon
Neoprene, Nitrile, Pure Gum, & Viton

ACID/CHEMICAL

Acid Suction & Discharge
"Bird" Filter
Black Liquor Hose
Paper Mill Suction Hose
Poly Chemical Transfer
Teflon Transfer

FOOD HOSE

Brewery/Winery/Distillery
Dry Bulk, flour handling
Edible Oil, Molasses, Sauerkraut, Tomato
 Paste
Milk, Juices, Meat Handling – FDA accepted
FDA Accepted Compounds
Built-in Stainless Coupling, special ends

VIBRATION SOUND ABSORBERS

Elbows-Custom Engineered continuous
 Radius
Misalignment-correcting pipe couplings &
 Elbows
Pipe Connectors
Pulp, Paper & Waste Processing
Straight & Preformed
Tapered Inside Diameters
Expansion Joints

FIRE HOSE

Hard Suction – corrugated
Hard Suction – smooth
Soft Suction
Internal Expanded Fire Coupling



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BREWERY/WINERY/DISTILLERY

“Champion” brand name
Plastic Rod Reinforced
Suction & Discharge

OS&D/SUBMARINE HOSE

Oil Suction & Discharge
Submarine Hose

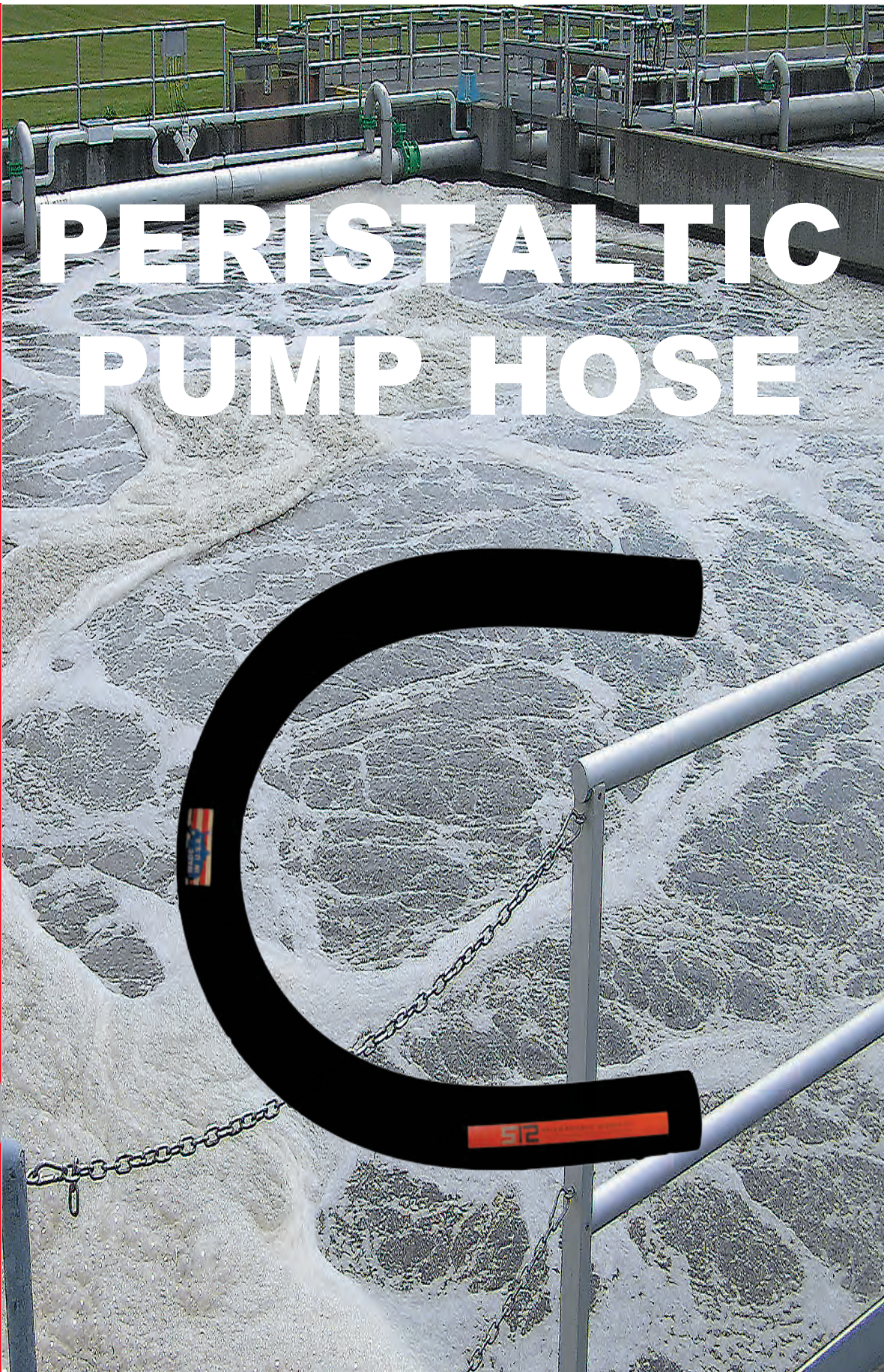
FLANGED END CONTRUCTIONS

ASA 150, 300-900 DRILLING
Beaded Flange-special raised face
Built-in Nipple-rubber lined/standard
Capped Ends
Enlarged Ends
Full Face Duck & Rubber-high pressure
Available
Overlapping Split Interlocking Rings
Pigtailed Static Wire

CUSTOM CALENDERING

Specialty Coated Fabrics
Custom Compound Development
Friction Coated Square Woven Fabrics
Skimmed Tire Cords-Kevlar, Polyester,
Nylons, Cotton
Rubberized Diaphragm Fabrics
Uncured Sheet Rubber
Cameron Slitting/Bias Cutting
FDA/Color Compounds
Full (QC) Traceability

CUSTOM
engineered Solutions



PERISTALTIC PUMP HOSE



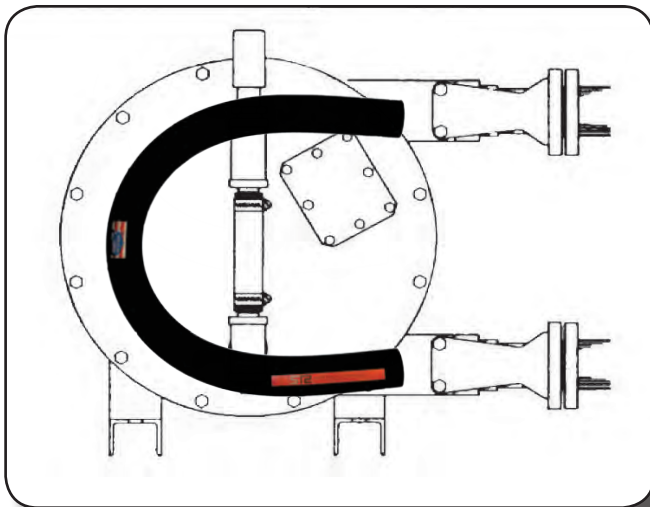
Salem-Republic Rubber Company
1-800-686-4199 • (330) 938-9809 fax
475 West California Avenue • P.O. Box 339 • Sebring, Ohio 44672 • USA
www.salem-republic.com • srr@salem-republic.com

Peristaltic Pump Hose

Salem-Republic Rubber Company builds peristaltic pump hoses that are compatible with all major positive displacement pump manufacturers and offers custom built hoses to accommodate your specific requirements. Our “No-Crush” poly carcass is constructed using multiple plies of high tensile cord reinforcements, and the smooth precision ground concentric cover insures optimum performance and consistent flows.



- **Sizes from 10mm to 150mm**
- **Smooth Precision Ground Cover**
- **Multi-ply High Tensile Cord Reinforcement**
- **Non-Standard or Custom Built Hoses Available**
- **Tube Compounds: Natural Rubber, EPDM, Nitrile (Buna-N), and FDA Safe White & Tan Materials**
- **For Watson-Marlow™, Blackmer™, Verder™, Ponndorf™, Periflo™, and all other Positive Displacement Pump Manufacturers**



ID (mm)	OD (mm)	Length (mm)	ID (in)	OD (in)	Length (in)
10	31.0	508.0	0.39	1.22	20.0
15	36.0	762.0	0.59	1.41	30.0
25	53.2	1006.4	0.98	2.09	39.6
32	61.0	1250.9	1.25	2.40	49.2
40	66.4	1489.0	1.57	2.61	58.6
50	80.0	1820.8	1.96	3.14	71.6
65	99.2	2336.8	2.55	3.90	92.0
80	122.0	2781.3	3.14	4.80	109.5
100	144.0	3276.6	3.93	5.66	129.0

Model Number Compatibility Chart

Peristaltic Pump Manufacturers	10mm	15mm	25mm	32mm	40mm	50mm	65mm	80mm	100mm
Albin Pump	ALH10	ALH15	ALH25	ALH32	ALH40	ALH50	ALH65	ALH80	ALH100
Allweiler	ASL 10	ASH/ASL15	ASH/ASL25	ASH 25	ASH 40	ASH 50	ASH 65	ASH 80	ASH 100
Blackmer	A10		A25		A/AX 40		A65	A/AX 80	A100
Periflo	PF 10	PF 15	PF 25	PF 32	PF 40	PF 50	PF 65	PF 80	PF 100
Ponndorf		PK 15	PK 25		PK 40	PK 50	PK 65		
Verderflex	VF 10	VD 15	VF 25	VF 32	VF 40	VF 50	VF 65	VF 80	VF 100
Watson-Marlow/Bredel	SPX10	SPX15	SPX25	SPX32	SPX40	SPX50	SPX65	SPX80	SPX100

Stock Inventory Announcement

Take advantage of our extensive selection of in-stock hoses. There is no order minimum, and shipment within 24-48 hours of your order is standard.

Industrial and Municipal Vacuum Hose

8" Municipal Vacuum Hose

¼" thick tube, corrugated cover, 4" soft cuffs.

8" I. x 5'2" OAL

8" ID x 5'6" OAL

8" ID x 10'7" OAL

Industrial Vacuum Hose

Smooth static dissipating tube (no static wire needed),
Corrugated cover, 4" soft cuffs.

4" ID x 20'0" OAL

6" ID x 10'0" OAL

8" ID x 10'0" OAL

4" ID x 20'0" OAL (Superlite Plus)

6" ID x 20'0" OAL (Superlite Plus)

Municipal Leaf Collection Hose

All rubber, corrugated bore & cover, 4" soft cuffs.

12" ID x 10'0" OAL

16" ID x 10'0" OAL

UK and Canadian Sweeper Trunking hoses

All rubber, corrugated bore & covers.

8" ID x 6'0" OAL

9" ID x 2'10" OAL

10" ID x 3'3-3/8" OAL

Municipal Vacuum Hose with corrugated I.D. and O.D.

All rubber construction with 4" soft cuffs each end

8" ID x 2'6" OAL (one end enlarged)

12" ID x 8'4" OAL (heavy duty)

9" ID x 5'0" OAL (both ends enlarged)

12" ID x 8'4" OAL (lightweight style)

Street Sweeper Boots and Wandering Hose

All rubber, corrugated bore & cover, 4" soft cuffs.

12" ID x 2'6" OAL

14" ID x 2'2" OAL

11" ID x 5'2" OAL

14" ID x 3'2" OAL

12" ID x 2'0" OAL

Vacuum Compression Seals

Conical connector used between the vacuum pump and debris body.

9-5/8" ID x 12" OD x 0'10" OAL

10" ID x 12" OD x 0'10" OAL

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Stock Inventory Announcement

Take advantage of our extensive selection of in-stock hoses. There is no order minimum, and shipment within 24-48 hours of your order is standard.

Furnace Door Hose

SuperGlass II Furnace Door Hose

Heat resistant 2-ply fiberglass cover, 150 PSI WP.

½" ID x 50'0" OAL
1-1/2" ID x 50'0" OAL

1" ID x 50'0" OAL
2" ID x 50'0" OAL

1-1/4" ID x 50'0" OAL

Other Hoses

Abrasive Discharge Tubing

Uniform ½" thick wall black gum tubing.

3" ID x 50'0" OAL

3-1/2" ID x 50'0" OAL

Peristaltic Pump Hose

Natural rubber, EPDM, or Nitrile tubes available, 4-ply reinforced ground cover.

25mm 32mm 40mm 50mm 65mm 80mm 100mm

Ground Support Equipment Hose

500°F Commercial Jet Starter Ducts

30'0", 40'0", 45'0", 50'0", 60'0" lengths

Commercial Jet Starter LCD® Leno Scuffers

30'0", 40'0", 45'0", 50'0", 60'0" lengths

Commercial Jet Starter Hose and Scuffer Assembly

30'0", 40'0", 45'0", 50'0", 60'0" lengths

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Melt Shop Solutions



SUPERGLASS II Furnace Door Hose

2-ply fiberglass cover resists temperatures up to 1000°F longer than any single ply fiberglass or Nomex® covered hose. 150 PSI working pressure design allows the hose to be used in harsher environments due to increased wall thickness and higher working pressure.

ID	OD	WEIGHT (lbs/ft)	WORKING PRESSURE (PSI)
0.5"	0.98"	0.21	150
0.75"	1.27"	0.32	150
1.0"	1.57"	0.45	150
1.25"	1.92"	0.62	150
1.5"	2.23"	0.83	150
2.0"	2.81"	1.20	150
2.5"	3.31"	1.47	150

SUPERGLASS EAF Water Hose

Designed for use in furnace, roof, LMF or Castor mold water supply and return applications.

Ideal for systems where torsion movement, vibration, water hammer or heat fatigue lead to unsatisfactory metal hose performance. The elastomeric characteristics absorb and dissipate torsion movement, vibration and water hammers. The fiberglass cover can be configured to dissipate the maximum amount of heat possible. SUPERGLASS EAF Water Hoses can be furnished with duck and rubber flanges, beaded ends and back up rings or built in nipples with flanges or male pipe threads.

SUPERGLASS Water Hoses can be built to resist *ABRASIVE WEAR* caused by hose-to-hose friction, or resulting from hoses rubbing on furnace infrastructure. Utilizing a **vulcanized SPIRAL BUMPER** along specific portions of the hose allows Salem-Republic Rubber to minimize the damage to fiberglass hose covers.

SUPERGLASS Water Hoses can be built to accommodate a heat differential along the length of the hose. The basic SUPERGLASS Water Hose relies upon 1 or 2 plies of vulcanized fiberglass over its entire length. In order to address a varying heat profile, Salem-Republic Rubber can vulcanize up to (4) plies of *HEAT RESISTANT FIBERGLASS* over a specific portion of the hose, at each end of the hose or over the entire hose length.



Nomex® is a registered product of DuPont.

Contact us for more information or to place your order.

SUPERGLASS **Non-Conductive Water Hose**

Designed with non-conductive materials of construction for the purpose of supplying cooling water to mast arm, vault wall and furnace panel applications.

Typical hose diameters for these applications range from 1" inside diameter to 5" inside diameter. A 2-ply fiberglass cover is standard so that the hose can be used in harsh service environments with no additional jacketing. A multiple ply cord or fabric carcass is utilized for discharge applications. A dual plastic helix is utilized in suction and discharge applications providing a user-friendly flexibility never before seen in non-conductive hose assemblies. End configurations include stainless steel swaged on fittings, stainless steel built in nipples, or soft cuffs for on-site or distributor coupling attachments.

EXTREMELY HARSH ENVIRONMENTS often warrant SUPERGLASS Non-Conductive Water Hoses with unique features including a vulcanized spiral bumper, special couplings, fire sleeves or a combination of these elements.



1 1/2" Non-Conductive Furnace Door Hose

SUPERGLASS Oxygen Charging Hose

Designed for melt shop oxygen charging services where typical working pressures require a hose rated for 200 PSI. The extruded neoprene tube, dual helix wire reinforcements and fiberglass cover combine to provide the most useful assembly for meltshop oxygen service. The SUPERGLASS Oxygen Charging Hose can withstand pressure hammers, vibration and slag splash due to its rubber/fabric construction and corrugated fiberglass cover. End configurations are generally male pipe thread fittings swaged over soft cuffs.

RHINO SKIN Carbon Powder Injection Hose

Designed for carbon powder injection service. Built with a static dissipating, 2-part tube, the RHINO SKIN is more durable and long lasting than sandblast hose. Available in two different versions, RHINO SKIN will minimize the downtime in production due to hose changes.

RHINO SKIN

Recommended when the ultimate in tube abrasion resistance and cover abrasion resistance is required.

ID	OD	WEIGHT (lbs/ft)	WORKING PRESSURE (PSI)	LENGTH
1.0"	1.94"	1.00	150	50'
1.25"	2.20"	1.16	150	50'
1.5"	2.44"	1.34	150	50'
2.0"	2.94"	1.68	150	50'



RHINO SKIN SUPERGLASS

Recommended when superior tube abrasion resistance is needed in combination with superior heat resistant.

ID	OD	WEIGHT (lbs/ft)	WORKING PRESSURE (PSI)	LENGTH
1.0"	1.94"	0.90	150	50'
1.25"	2.20"	1.03	150	50'
1.5"	2.44"	1.20	150	50'
2.0"	2.94"	1.50	150	50'



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475 West California Avenue • P.O. Box 339 • Sebring, Ohio 44672 • USA



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475 West California Avenue

P.O. Box 389 · Sebring, Ohio 44672 · USA

1-800-686-4199 · fax: 330-938-9809

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PRODUCT INFORMATION BULLETIN 2000-02

RUBBER-COVERED **RHINO SKIN** CARBON POWDER INJECTION HOSE

Rubber-Covered **Rhino Skin** is engineered to increase the productivity of your Electric Arc Furnace. It will provide you with the most abrasion resistant tube and cover available. Therefore, you experience less downtime in production due to hose changes or due to slag foam damage of electrodes. In addition, the tough hose cover will ensure that your hoses resist damage from cuts, gouges or abrasion.

Custom formulated "Compound X" in the tube ensure significantly longer service during carbon charging exceeding standard sandblast hose by a factor of 15:1. Other hoses used in carbon powder charging, do not use the cutting edge "Compound X" technology and will have to be replaced many time during the life of the **Rhino Skin** hose. This yields a less productive, less efficient, and less profitable operation.



Product Construction: Our "Compound X" tube, multiple plies of high tensile polyester fabric for reinforcement with an abrasion resistant natural rubber/SBR cover. Please note that this construction yields the same O.D. as sandblast hose. This ensures that sandblast couplings can be used with **Rhino Skin**, reducing turbulence caused by shank style couplings.

Spec. Number -- M0820-6768K-N0301

Working Pressure -- 150 psi

ID	OD	WT/FT	Length
1"	1.94"	1.00	50'0"
1-1/4"	2.20"	1.16	50'0"
1-1/2"	2.44"	1.34	50'0"
2"	2.94"	1.68	50'0"



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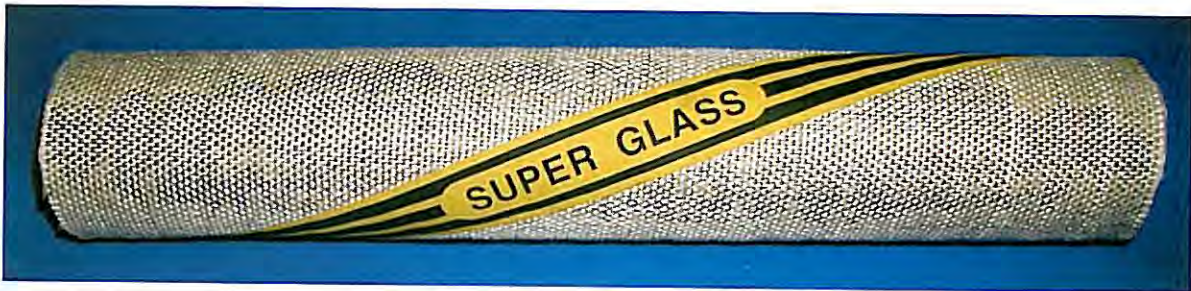
PRODUCT INFORMATION BULLETIN 2000-01

RHINO SKIN SUPERGLASS

CARBON POWDER INJECTION HOSE

Rhino Skin Superglass is application engineered to increase the profitability of your melt shop. **Rhino Skin Superglass** will provide a longer service life than any hose currently available. This means less down time from hose changes and no electrode damage due to slag foam. **Rhino Skin Superglass** is recommended when superior tube abrasion resistance is needed in combination with superior heat resistance.

Increased service life results from a proprietary, "Compound X" tube. The natural rubber compounds in sandblast hose tubes have substantially less abrasion resistance than the "Compound X" tube. This leads to quicker hose failures. Recent field trials showed **Rhino Skin Superglass** outlasting sandblast hose by a margin of 8:1 (190 heats with **Rhino Skin Superglass** versus 24 heats with sandblast hose). Additionally, Salem-Republic's two ply fiberglass resists temperatures up to 1000° F more effectively than any Nomex or Norfab covered hose.



Product Construction: The "Compound X" tube, multiple plies of high tensile polyester fabric for reinforcement with a heat resistant fiberglass cover. Please note that this construction yields the same O.D. as sandblast hose, ensuring that your sandblast couplings can be used with **Rhino Skin Superglass** with no additional turbulence caused by diameter changes near the couplings.

Spec. Number -- M0820-0220K-N0101

Working Pressure -- 150 psi

ID	OD	WT/FT	Length
1"	1.94"	0.90	50'0"
1-1/4"	2.20"	1.03	50'0"
1-1/2"	2.44"	1.20	50'0"
2"	2.94"	1.50	50'0"



salem-republic rubber company

WATER TREATMENT SOLUTIONS



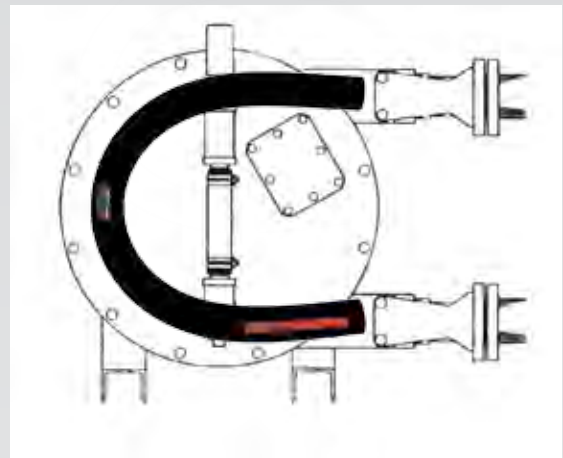
PERISTALTIC PUMP HOSE



Salem-Republic Rubber Company builds peristaltic pump hoses that are compatible with all major positive displacement pump manufacturers and offers custom built hoses to accommodate your specific requirements. Our “No-Crush” poly carcass is constructed using multiple plies of high tensile cord reinforcements, and the smooth precision ground concentric cover insures optimum performance and consistent flows.

- **Sizes from 10mm to 150mm**
- **Smooth Precision Ground Cover**
- **Multi-ply High Tensile Cord Reinforcement**
- **Non-Standard or Custom Built Hoses Available**
- **Tube Compounds: Natural Rubber, EPDM, Nitrile (Buna-N), and FDA Safe White & Tan Materials**
- **For Watson-Marlow™, Blackmer™, Verder™, Ponndorf™, Periflo™, and all other Positive Displacement Pump Manufacturers**

ID (mm)	OD (mm)	Length (mm)	ID (in)	OD (in)	Length (in)
10	31.0	508.0	0.39	1.22	20.0
15	36.0	762.0	0.59	1.41	30.0
25	53.2	1006.4	0.98	2.09	39.6
32	61.0	1250.9	1.25	2.40	49.2
40	66.4	1489.0	1.57	2.61	58.6
50	80.0	1820.8	1.96	3.14	71.6
65	99.2	2336.8	2.55	3.90	92.0
80	122.0	2781.3	3.14	4.80	109.5
100	144	3276.6	3.93	5.66	129.0

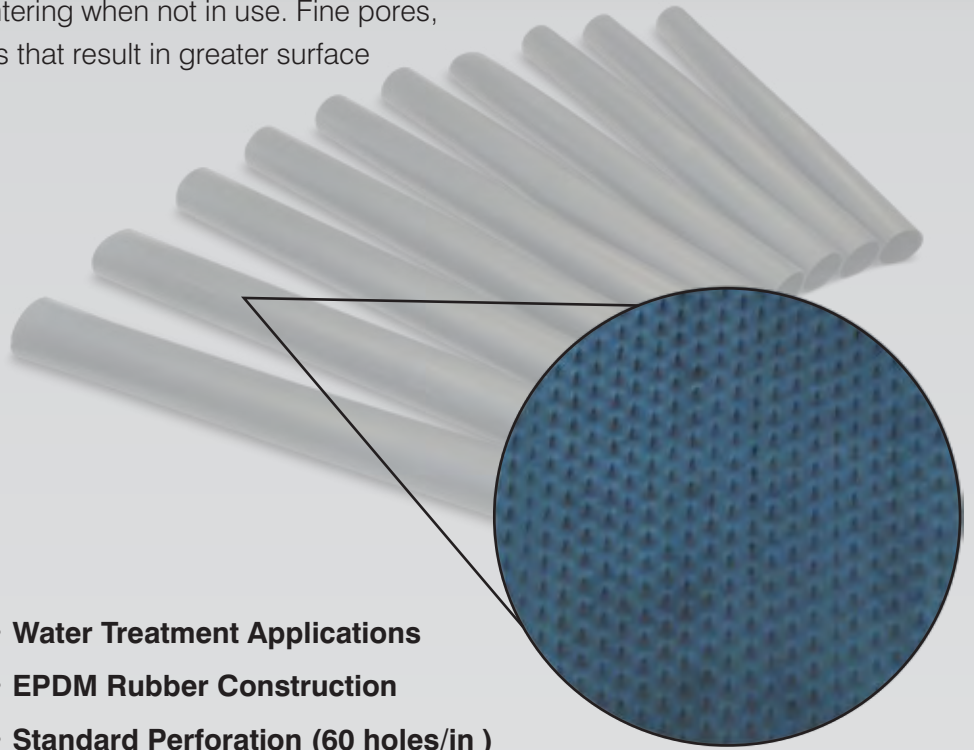


MODEL NUMBER COMPATIBILITY CHART

Peristaltic Pump Manufacturers	10mm	15mm	25mm	32mm	40mm	50mm	65mm	80mm	100mm
Albin Pump	ALH10	ALH15	ALH25	ALH32	ALH40	ALH50	ALH65	ALH80	ALH100
Allweiler	ASL 10	ASH/ASL 15	ASH/ASL 25	ASH 25	ASH 40	ASH 50	ASH 65	ASH 80	ASH 100
Blackmer	A10	—	A25	A/AX 40	—	A 65	A/AX 80	A 100	—
Periflo	PF 10	PF 15	PF 25	PF 32	PF 40	PF 50	PF 65	PF 80	PF 100
Ponndorf	—	PK 15	PK 25	—	PK 40	PK 50	PK 65	—	—
Verderflex	VF 10	VF 15	VF 25	VF 32	VF 40	VF 50	VF 65	VF 80	VF 100
Watson-Marlow/Bredel	SPX10	SPX15	SPX25	SPX32	SPX40	SPX50	SPX65	SPX80	SPX100

TUBE DIFFUSER

Salem-Republic Rubber Company offers a low cost solution for replacing tube diffusers. The slip-on tube diffuser membrane provides an easy and efficient way to replace a tube diffuser without replacing the whole assembly. The EPDM rubber membrane gives long life in harsh environments. Small perforated holes allow aeration when pressurized and keeps debris from entering when not in use. Fine pores, of the SRR design, form small bubbles that result in greater surface area and higher oxygen transfer.



- **Water Treatment Applications**
- **EPDM Rubber Construction**
- **Standard Perforation (60 holes/in)**
- **Customized Size Perforation Available**



WATER DECANT HOSE & AIR BLOWER HOSE

The Water Decant Hose is used as the flexible connection in the decant system of treatment tanks.

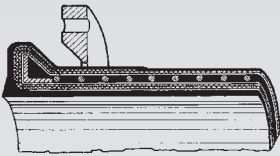
- **Constructed of a Corrosion Resistant, Elastomeric Tube, Carcass and Cover**
- **Provided with Full-Face Duck and Rubber Flange or Beaded Ends with Back-up Rings**
- **Vol-U-Flex Corrugated Cover provides a Tighter Bend Radius**



The Air Blower Hose is used to convey air to water treatment tanks.

- **Tube & Cover Built with EPDM, Neoprene or other Custom Compounds**
- **Smooth or Vol-U-Flex Corrugated Cover**
- **Available with Plain Cut Ends, Flanges, Soft Cuffs, or Beaded Ends**

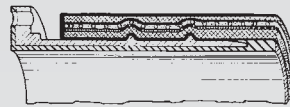
End Connections:



Beaded end with Back-up Ring provides a rubber raised face for a complete seal without the need for a gasket.



SRR's Full-Face Duck and Rubber Flange provides a complete seal with an exclusive raised face, eliminating need for a gasket. All wetted surfaces are of the same compound as the hose lining.



The Built-In Steel Nipple provides a secure, high-strength fitting. Nipple ID matches hose ID, allowing full flow to minimize turbulence and pressure drop.



Soft Cuffs: Hard wall reinforced materials are removed from a portion of the hose end for optimum clamping surface.

SRR
salem-republic
rubber company

phone: **800-686-4199**
fax: 330-938-9809
475 W. California Ave.
Sebring, OH 44672 USA
www.salem-rubber.com
srr@salem-republic.com

**CALL US FOR A QUOTE OR VISIT OUR
WEBSITE FOR ADDITIONAL INFORMATION.**

CUSTOM
engineered Solutions



MINING HOSE

**PHOSPHATE MINING
SAND & GRAVEL MINING
ORE MINING
SLURRY HANDLING
PERISTALTIC PUMP HOSES**



Salem-Republic Rubber Company

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AGGREGATE MINING ORE PROCESSING SLURRY HANDLING

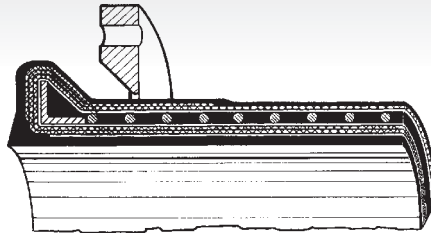


MINING

Dredge Hose

- ~ Suction
- ~ Discharge
- ~ Sleeves
- ~ Gimbals

CUSTOM



End Construction

Exclusive FlexRite Beaded End Hose

- ~ Built-in steel angle ring for rigid support.
- ~ Holes match standard ASA 150# drilling.
- ~ Forms tight seal.
- ~ Easy rotation.



S-R's exclusive FlexRite Beaded End Flanges are designed for easy mating and flange hole alignment.

Sizes (inches)	Flange		Flange Thickness	Bolt Circle
	ID	OD		
2	3 1/8	6	5/8	4 3/4
2 1/2	3 3/8	7	5/8	5 1/2
3	4 1/4	7 1/2	3/4	6
4	5 1/4	9	13/16	7 1/2
5	6 3/8	10	13/16	8 1/2
6	7 1/2	11	13/16	9 1/2
8	9 5/8	13 1/2	7/8	11 3/4
10	12	16	15/16	14 1/4
12	14 5/8	19	1 1/16	17
14	16 1/4	21	1 1/8	18 3/4
16	18 1/2	23 1/2	1 1/4	21 1/4

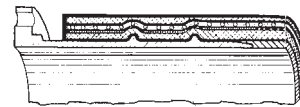
Optional Hose Ends

Optional hose ends are specified according to use factors.



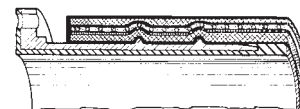
S-R's Full-Face Duck and Rubber Flange provides a complete seal with an exclusive raised face,

eliminating need for a gasket. All wetted surfaces are of the same compound as the hose lining.



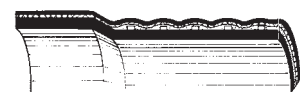
The Built-In Steel Nipple provides a secure, high-strength fitting. Nipple ID

matches hose ID, allowing full flow to minimize turbulence and pressure drop.



Similar to the Built-In Steel Nipple, the Rubber-Lined Steel Nipple provides the

same ID throughout the hose for full flow maximum abrasion resistance. Note: flanges are rubberfaced and seal without gasketing.



The Enlarged Hose End permits full flow through the connection. The hose end fits the OD of the pipe and is clamped in place.

CUSTOM
engineered Solutions



Salem FLEX Slurry Handling Hose

**Slurry hose for
field measured cut and
couple applications in:
Sand Production
Aggregate Production
Mineral Processing
Mining**



Salem-Republic Rubber Company
1-800-686-4199 • 330-938-9809 (fax)
475 West California Avenue • PO Box 339 • Sebring, OH 44672 • USA
www.salem-republic.com

Custom Engineered and Made in the USA Salem FLEX Slurry Handling Hose



Application: Suction & Discharge service where on-site hose assembly fabrication is required.

Tube: 1/4" - 3/8" thick (size dependant) abrasion resistant material. See list at right for choices.

Carcass: Spring steel wire helix and high tensile strength cord

Cover: Corrugated, black SBR

Vacuum Rating: 11" - 28" HG (size dependent)

Pressure Rating: 100 PSI

Bend Rating: Available upon request

®Neoprene is a registered trademark of DuPont Corp.

Material Choices:
Tan Gum Natural Rubber
Soft Black Natural Rubber
Hard Black Natural Rubber
Nitrile
Neoprene®
EPDM

Sizes:
2", 2 1/2", 3", 4",
6", 8", 10", 12", 14"

Lengths:
Up to 50' bulk length

• Custom lengths made to customer request

Ends:
Available upon request.



Distributed by:

Salem-Republic Rubber Company
475 West California Avenue
Sebring, OH 44672
(330) 938-9801

Tan Gum Rubber Tubing

¼" wall, unreinforced, tan gum rubber tubing with uniform wall thickness, rag wrapped finish and plain cut ends. All tan gum tubing is unbranded.

6-5/8" I.D. x 50'0" OAL	2.5 lbs/ft
8.0" I.D. x 50'0" OAL	3.0 lbs/ft
8.0" I.D. x 60'0" OAL	3.0 lbs/ft
9.0" I.D. x 40'0" OAL	3.4 lbs/ft
10.0" I.D. x 40'0" OAL	3.7 lbs/ft
11.0" I.D. x 40'0" OAL	4.0 lbs/ft
12.0" I.D. x 40'0" OAL	4.4 lbs/ft
12.0" I.D. x 50'0" OAL	4.4 lbs/ft
24.0" I.D. x 40'0" OAL	8.8 lbs/ft

Other sizes available from 1" I.D. through 42" I.D.

Elephant trunk hoses also available in the same range of sizes and lengths.

Please call our factory to confirm pricing, place orders or to have your questions answered.

All products are made in America.

GLIDEFLEX LCD

FOOD AND DAIRY HOSE

Building on recent successes, Salem-Republic Rubber is now making GLIDEFLEX LCD FOOD AND DAIRY HOSE. It's the lightweight and flexible, abrasion resistant, patented Glideflex design combined with FDA safe materials of construction.

The extreme flexibility of the Glideflex LCD Hose means that it can accommodate the tightest of bend requirements. The Low Coefficient of Drag (LCD) spiral bumper creates the most efficient handling ever seen in a hose for food and dairy requirements. Nevertheless the hose will resist the abrasion of rough, non-slip surfaces common in food processing operations. These features eliminate operator fatigue from handling the hose.

The revolutionary Glideflex LCD construction can be built for discharge applications up to 200 PSI. A wide variety of FDA safe tube compounds yield hose designs that can be used to handle anything from abrasive dry bulk, to edible oil, to high temperature Clean In Place dairy applications.

PHYSICAL PROPERTIES

SIZE: 2" I.D. - 6" I.D.	BEND RADIUS: 100 PSI, 2.0 inches per inch ID
	150 PSI, 2.5 inches per inch ID
WORKING PRESSURE: 100 PSI	200 PSI, 3.0 inches per inch ID
150 PSI	
200 PSI	

CONSTRUCTION

TUBE: Choose from any of the following FDA safe compounds,

- 3A approved White Nitrile
- White Butyl
- White EPDM
- Amber Gum Rubber
- White Natural Gum Rubber
- White Neoprene

REINFORCEMENT: Polyester Fabric & Spring Steel Wire Helix

COVER: SBR with the patented Glideflex LCD bumper in the color of your choice below,

- White
- Grey
- Red
- Blue

ENDS: • Square Cut • Soft Cuffs • Enlarged soft cuffs • Built-in Sanitary Fittings

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475 West California Avenue • Sebring, Ohio 44672 • USA
www.salem-republic.com • srr@salem-republic.com

CUSTOM
engineered Solutions

Pulp & Paper Mill Solutions



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475 W. California Avenue • Sebring • OH • 44672
(330)938-9801 • (330)938-9809 (fax)
www.salem-republic.com

Applications



Head Box Hose

Flexible connection between process piping and head box.
Typically, 8" diameter and bigger
Flanged or cuff ends
Chemically resistant and ultra smooth tube



Transfer Roll

Compressible connector for transfer roll or suction box
Corrugated ID/OD up to 24"
Cuffed ends for easy attachment.



Black Liquor/White Liquor

Flexible process piping connector
Chemically resistant tube and cover
Bulk lengths or custom lengths
Flanged, cuffed, or cut ends



Containment Chutes

Tan Gum tubing or reinforced
Elephant Trunk hose
6-24" diameter.
Bulk or custom lengths



Hi-Temp Pipe Sleeve

Available in Neoprene, Chlorobutyl,
or Chloroprene
4" - 30" Pipe Sleeves
Softwall or Wired Construction



Distributed by:

Salem-Republic Rubber Company
475 West California Avenue
Sebring, OH 44672
(330) 938-9801

Custom

engineered solutions

Paper Mill Suction Box Hose



salem-republic rubber company

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www.salem-republic.com • srr@salem-republic.com



Paper Mill

Suction Box Hose

Application – Custom engineered to serve as a flexible connector on paper machine.

Tube – Corrugated neoprene. Corrugated for increased flexibility and neoprene for additional resistance to paper stock.

Carcass – Multiple plies of high tensile synthetic fabric reinforced by a spring steel wire helix for full vacuum service.

Cover – Corrugated ozone and abrasion resistant neoprene.

Ends – 2” soft cuffs standard, but longer cuffs are available on request. May be enlarged to go over pipe sizes.

Look at the current sizes and lengths available. If you do not see yours call or fax us and we will design one just for you!

3-1/2" x 8"	8-5/8" x 9" – 30"
4" x 5-3/4"-60"	10" x 53-1/2"
4-1/2" x 7-1/2"-14"	10-3/4" x 12" – 52"
5" x 28-1/2"-102"	11" x 26"
5-1/2" x 12"-24"	12" x 12" – 60"
5-9/16" x 21"	12-3/4" x 8" – 57"
6" x 8" – 31-1/2"	13" x 11-1/2"
6-1/2" x 6" – 15"	14" x 22-1/2" – 48"
6-5/8" x 12" – 120"	16" x 13-3/4" – 50"
7" x 96"	18" x 12"
8" x 63" – 102"	24" x 36"

Vacuum Rating – 27" Hg

Pressure Rating – 5 PSI

Temperature Rating - -40° F – 200° F



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FLEXRITE

Acid and Chemical Hose



TANK TRUCK DELIVERY SERVICE
RAILCAR LOADING & UNLOADING
MINE & MILL CHEMICAL TRANSFER
FOOD & FDA PROCESSES

The FlexRite Acid and Chemical Hose provides service from full vacuum suction to 150 PSI or greater discharge pressures. The corrugated cover design allows for the tightest bend radius possible in a hose that will withstand full vacuum service.

When combined with integral end connections such as the FlexRite Beaded End or the Full Face Duck and Rubber Flange, all wetted surfaces are covered by the tube compound which is resistant to the fluid being transferred.

CUSTOM HOSE CONSTRUCTION

FLEXRITE Acid and Chemical Hose

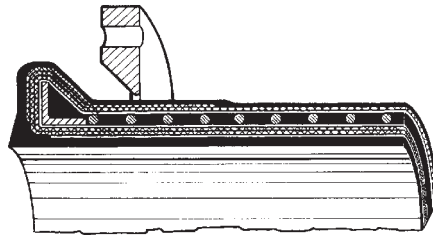
TUBE EPDM, Chlorobutyl, Hypalon®, UHMWPE or Natural Rubber depending upon the fluid being transferred.

REINFORCEMENTS Polyester fabrics and dual spring steel wire helix.

COVER Corrugated, typically fabricated from EPDM, neoprene, chlorobutyl, or Hypalon® (which is available in blue, red, yellow or green colors).

ENDS Integral FlexRite Beaded Ends, Integral Full Face Duck and Rubber Flanges, Soft Cuffs, or Enlarged Soft Cuffs.

Custom End Construction Exclusive FlexRite Beaded End Hose



- ~ Built-in steel angle ring for rigid support.
- ~ Holes match standard ASA 150# drilling.
- ~ Forms tight seal.
- ~ Easy rotation.



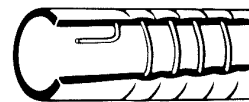
Sizes (inches)	Flange OD		Flange Thickness	Bolt Circle
	ID	OD		
2	3 ¹ / ₈	6	5 ¹ / ₈	4 ³ / ₄
2 ¹ / ₂	3 ³ / ₈	7	5 ³ / ₈	5 ¹ / ₂
3	4 ¹ / ₄	7 ¹ / ₂	3 ¹ / ₄	6
4	5 ¹ / ₄	9	1 ³ / ₁₆	7 ¹ / ₂
5	6 ³ / ₈	10	1 ³ / ₁₆	8 ¹ / ₂
6	7 ¹ / ₂	11	1 ³ / ₁₆	9 ¹ / ₂
8	9 ³ / ₈	13 ¹ / ₂	7 ¹ / ₈	11 ³ / ₄
10	12	16	1 ⁵ / ₁₆	14 ¹ / ₄
12	14 ⁵ / ₈	19	1 ¹ / ₁₆	17
14	16 ¹ / ₄	21	1 ¹ / ₈	18 ³ / ₄
16	18 ¹ / ₂	23 ¹ / ₂	1 ¹ / ₄	21 ¹ / ₄

Optional Hose Ends

Optional hose ends are specified according to use factors.



S-R's Full-Face Duck and Rubber Flange provides a complete seal with an exclusive raised face, eliminating need for a gasket. All wetted surfaces are of the same compound as the hose lining.



Soft Cuffs: Hard wall reinforcing materials are removed from a portion of the hose end for optimum clamping characteristics.



The Enlarged Hose End permits full flow through the connection. The hose end fits the OD of the pipe and is clamped in place.

LCD
Introducing **LCD**
technology



LCD™ GLIDE-FLEX GASOLINE DROP HOSE

Introducing the remarkable new patented **LCD Glide-Flex Gasoline Drop Hose** from Salem-Republic Rubber Company. Our breakthrough *Low Coefficient of Drag (LCD)* technology produces a durable, flexible, and lightweight hose unparalleled in the gasoline transport industry.

Traditional rubber hose is heavy and hard to handle. Plastic hose is stiff and difficult to maneuver, especially in cold weather. LCD Glide-Flex solves these problems with a patented LCD cover design, making it the easiest handling gravity drop hose available.

Due to its Low Coefficient of Drag, this unique hose glides easily over surfaces where rubber hose grabs. Additionally, the LCD cover outwears conventional rubber hose with significantly improved abrasion resistance.

The revolutionary LCD Glide-Flex Gasoline Drop Hose maintains its flexibility and ease of handling even in sub-zero temperatures, where plastic hose becomes brittle and hard to bend.



Furthermore, its lightweight and friction-minimizing design reduces driver fatigue when compared to traditional hose.

The LCD GLIDE-FLEX combines a lightweight design with a low coefficient of drag cover and extreme flexibility—providing easier connections, reduced driver fatigue, and overall improved performance.

See reverse for specifications.

Salem-Republic Rubber Company

1-800-686-4199 • (330) 938-9809 fax

475 West California Avenue • P.O. Box 339 • Sebring, Ohio 44672 • USA

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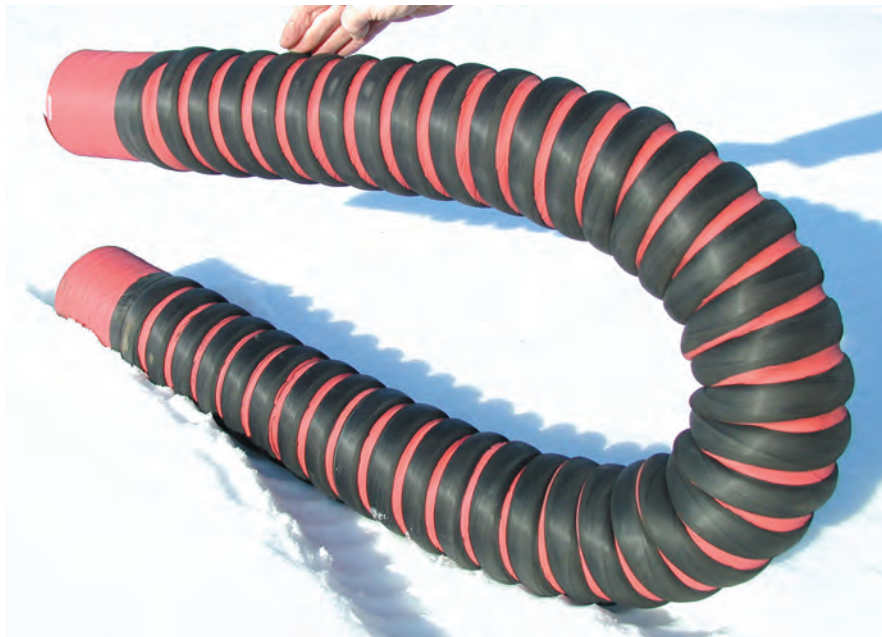
LCD™ GLIDE-FLEX

SPECIFICATIONS

<u>Size I.D.</u>	<u>Weight per Foot</u>	<u>Maximum Length</u>
3.0"	1.17#	50'0"
4.0"	2.0#	50'0"

NOTE: LCD Glide-Flex is designed for *Gravity Drop Service Only*.

**For more information and complete pressure service recommendations,
call us today at (800) 686-4199.**



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LCD
Material handling



LCD™ GLIDE-FLEX™ BULK TRANSPORTER HOSE

Salem-Republic Rubber now has available the **Glide-Flex LCD Bulk Transporter** line of hoses. Our breakthrough, *Low Coefficient of Drag (LCD)* patented technology produces a durable and flexible hose that is unparalleled in transport industry applications.

Traditional rubber hose is heavy and hard to handle. The patented LCD cover is combined with our new flexible, patent-applied-for, construction. This combination results in the LCD Glide-Flex line of hoses that are easy to handle while gliding over asphalt and concrete loading and unloading areas. In addition, the LCD cover has significantly better abrasion resistance compared to conventional rubber hose.

A wide range of abrasion-resistant tube materials are available. The unique construction of this line makes each hose serviceable in suction and discharge applications to 100 PSI operating pressures.

This durable, flexible, friction-minimizing hose will provide a new level of service and satisfaction to your users.



The LCD GLIDE-FLEX combines a durable design with a low coefficient of drag cover and extreme flexibility—providing easier connections, reduced driver fatigue and injuries, and overall improved performance.

CALL US TO DISCUSS A GLIDE-FLEX SOLUTION TO
YOUR UNIQUE BULK TRANSPORT APPLICATION.

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LCD™ GLIDE-FLEX™

BULK TRANSPORTER HOSE



STYLE M6493 GENERAL SERVICE BULK TRANSFER HOSE

Designed for the suction and discharge service of dry and liquid abrasive materials. The wire helix reinforcement ensures that the hose bore will remain constant, resulting in even wear throughout the hose. The patented Glide-Flex design maximizes flexibility and facilitates operator handling.

TUBE: 1/8" or 1/4" black gum rubber

REINFORCEMENT: Polyester fabric and wire helix

COVER: Abrasion, ozone and UV resistant, black SBR with the Glide-Flex Low Coefficient of Drag spiral bumper.

WORKING PRESSURE: 100 PSI

BEND RADIUS: 12" for 4" I.D.

WEIGHT: 2.4 lbs/ft—4" I.D. with 1/8" tube

TEMP. RATING: -20°F to -180°F

3.3 lbs/ft—4" I.D. with 1/4" tube



STYLE M6490 TAN GUM BULK TRANSFER HOSE

A more rugged version of our General Service hose. A tan gum rubber tube provides the best abrasion resistance for both dry and liquid materials. The wire helix tube reinforcement ensures that the hose bore will remain constant, resulting in even wear throughout the hose. The patented Glide-Flex design maximizes the flexibility and facilitates operator handling.

TUBE: 1/8" or 1/4" tan gum rubber

REINFORCEMENT: Polyester fabric and wire helix

COVER: Abrasion, ozone and UV resistant, black SBR with the Glide-Flex Low Coefficient of Drag spiral bumper.

WORKING PRESSURE: 100 PSI

BEND RADIUS: 12" for 4" I.D.

WEIGHT: 2.4 lbs/ft—4" I.D. with 1/8" tube

TEMP. RATING: -20°F to -180°F

3.3 lbs/ft—4" I.D. with 1/4" tube



STYLE M6339 DRY BULK TRANSFER HOSE

Designed specifically for the suction and discharge service of dry bulk materials. This hose features a premium-grade, static-conductive, nature rubber tube. The wire helix ensures a constant bore and even tube wear, while the patented Glide-Flex design maximizes flexibility and facilitates operator handling.

TUBE: 1/8" or 1/4" static-conductive natural rubber

REINFORCEMENT: Polyester fabric and wire helix

COVER: Abrasion, ozone and UV resistant, black SBR with the Glide-Flex Low Coefficient of Drag spiral bumper.

WORKING PRESSURE: 100 PSI

BEND RADIUS: 12" for 4" I.D.

WEIGHT: 2.5 lbs/ft—4" I.D. with 1/8" tube

TEMP. RATING: -20°F to -180°F

3.5 lbs/ft—4" I.D. with 1/4" tube



STYLE M6501 FOOD GRADE TRANSFER HOSE

Developed for the suction and discharge service of dry abrasive food products and white media such as titanium dioxide. The white rubber tube offers excellent abrasion resistance and it contains FDA safe constituents. The wire helix ensures a constant bore and even wear, while the patented Glide-Flex design maximizes flexibility and facilitates operator handling.

TUBE: 1/8" or 1/4" white gum rubber

REINFORCEMENT: Polyester fabric and wire helix

COVER: Abrasion, ozone and UV resistant, gray SBR with the Glide-Flex Low Coefficient of Drag spiral bumper.

WORKING PRESSURE: 100 PSI

BEND RADIUS: 12" for 4" I.D.

WEIGHT: 2.9 lbs/ft—4" I.D. with 1/8" tube

TEMP. RATING: -20°F to -180°F

4.2 lbs/ft—4" I.D. with 1/4" tube

salem-republic rubber company

A LEADING SUPPLIER OF MARINE AND DREDGE HOSE IS PLEASED TO ANNOUNCE COMPETITIVELY PRICED

COMMERCIAL DOCK FENDERS



- * *UP TO 42" ID*
- * *UP TO 54" OD*
- * *LENGTHS TO 50' DEPENDENT ON WALL THICKNESS REQUIREMENTS*



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P.O. Box 339
Sebring, Ohio 44672

phone: **1-800-686-4199**
fax: **330-938-9809**

www.salem-republic.com
srr@salem-republic.com



wire reinforced, nondeforming suction hose

Custom SUCTION SERVICE HOSE

Salem-Republic Suction Hose can be made with a variety of high grade tube material. These feature abrasion and cut resistant premium grade rubber lining to withstand the destructive action of sand and gravel from quarries and beaches, rock and sludge from channels and harbors, coral from the sea.

In addition to the wire helix found close to the thick tube, multi-ply of polyester, nylon or cotton duck fabrics are used to reinforce the hose carcass to form an extra-heavy wall that absorbs shock and vibration between cutter head and pump. (These hoses can be custom-engineered to provide the bend radius you need.)

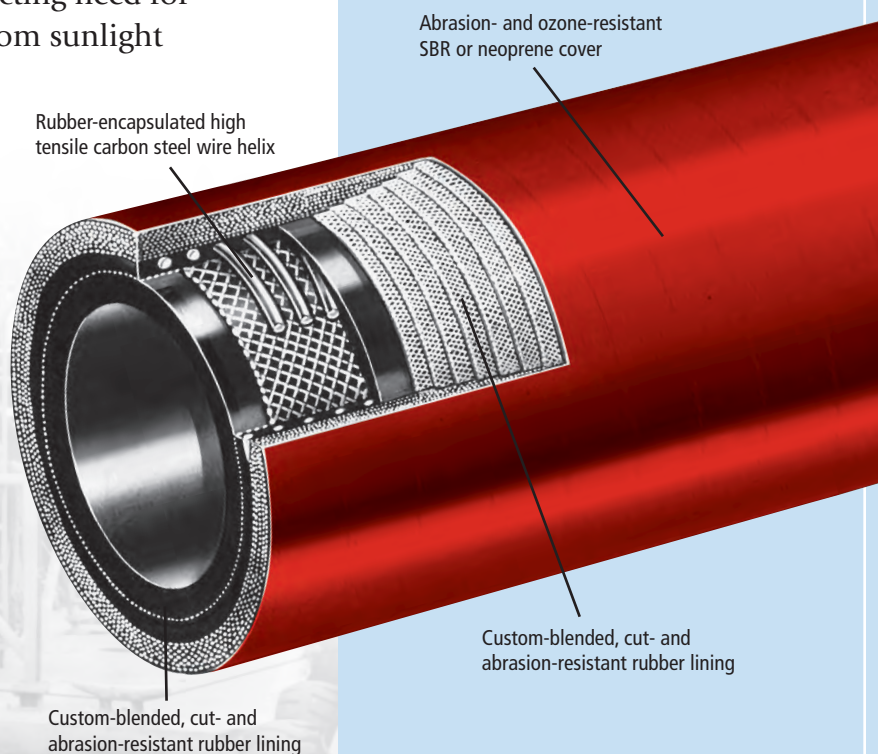
SRR's Suction Hose is supplied with a number of cover choices, including SBR, EPDM or neoprene, to meet your most exacting need for wear resistance and protection from sunlight and ozone.

Custom Tube Linings — are supplied to customer needs and are made of the highest quality custom blends of natural and synthetic rubber.

SRR Carcass — Reinforced suction hose takes positive pressure for safe, efficient back-flushing to dislodge obstructions.

Finest Quality Rubber Cover — Assures high tear- and abrasion-resistance.

Bias — Multi-ply synthetic fabrics assure maximum tensile strength and ability to absorb shock and vibration.



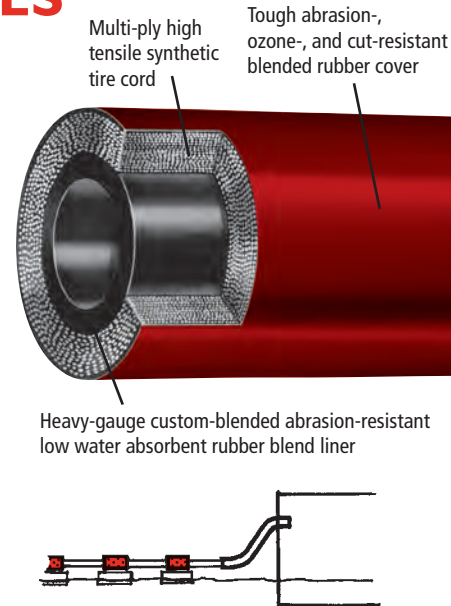
Suction/discharge hoses, 16-in. I.D., used on barge-unloading dredge. Hoses feature hard-wall suction construction

Dredge Pipe SLEEVES

SRR's Dredge Sleeves are unsurpassed for quality and stability. SRR sleeves will not expand under pressure causing clamps to loosen.

The same high-quality custom-blended compounds found in SRR's suction and discharge hoses are used in SRR's dredge sleeves.

Salem-Republic does not use a ply "rating" system. The number of plies stated for any size are by actual count.

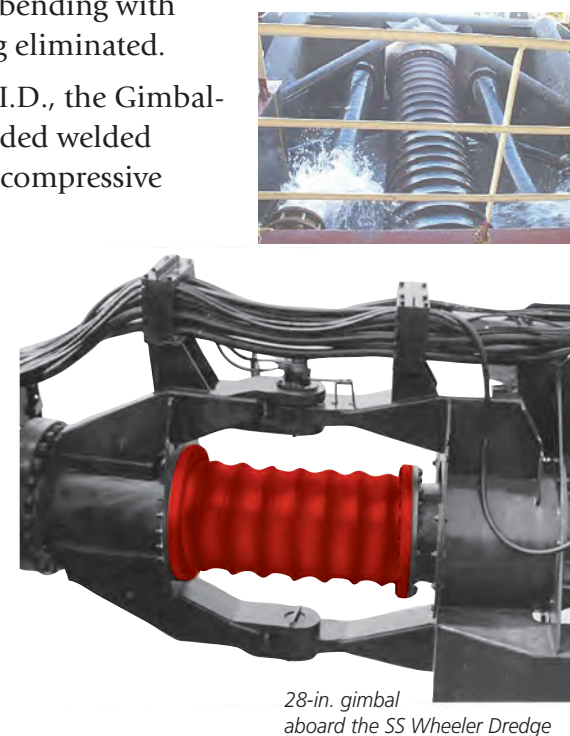


GIMBAL joint hose

SRR Gimbal Joint Suction Hoses are used with universal joints or gimbals which constrain hose movement in two planes. This provides controlled bending with problems of overstressing eliminated.

Available in up to 42-in. I.D., the Gimbal-type hose features imbedded welded steel rings for maximum compressive strength and flexibility.

The smooth bore design features use of highest quality rubber lining, resistant to abrasion and cuts. Heavy duty covers of SBR, EPDM, or neoprene can be provided for resistance to sunlight, saltwater, and oil.



28-in. gimbal aboard the SS Wheeler Dredge

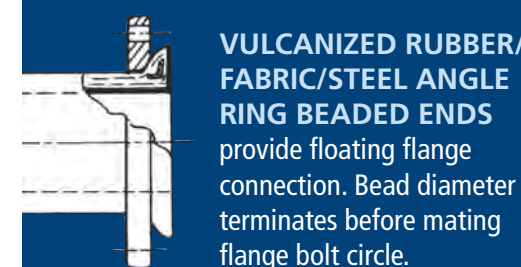
Distributed by _____

Optional End Constructions

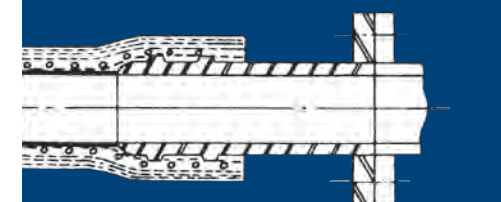
Hose ends shown below meet the widest variety of service and budget needs. * Where possible, hose terminations should use nipples that are the same I.D. as the hose to minimize turbulence and accelerated wear.



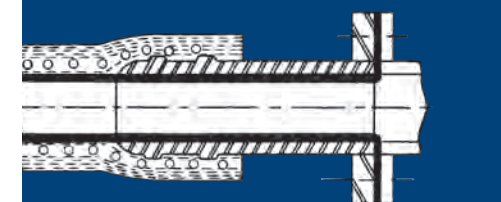
FULL-FACE DUCK & RUBBER FLANGE for maximum free length flexibility. Supplied with split steel backup bolt flange. Eliminates metal in fluidway at joint.



VULCANIZED RUBBER/FABRIC/STEEL ANGLE RING BEADED ENDS provide floating flange connection. Bead diameter terminates before mating flange bolt circle.



BUILT-IN STEEL NIPPLE provides most secure fitting possible. Nipple I.D. matches hose I.D., allowing full flow to minimize turbulence and pressure drop.



RUBBER-LINED STEEL NIPPLE provides extended service by protecting the steel nipple from wear and corrosion.



salem-republic rubber company

CUSTOM ENGINEERED DREDGING SOLUTIONS

SUCTION • DISCHARGE • SLEEVES • GIMBALS



Dan Holt
Hose Building
Specialist

Marshall Ney

"One day I hope to carry on the tradition of excellence set by my father and grandfather—leading the industry in custom hand-made hoses for 40 years, and counting."

*Front cover shows a 42" ID Dredge Discharge Hose

Foremost Large-Bore Dredge Hose Manufacturer in America!



CUSTOM ENGINEERED, HANDMADE DREDGE HOSE...Designed and built for survival from abrasive wear and abusive handling

Salem-Republic's Dredging Hose

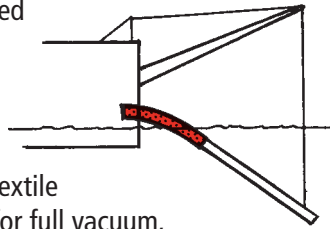
features "customized" heavy-duty, wear-resistant constructions employing the finest grades of natural and synthetic rubber and fabric. Produced in hard-and soft-wall constructions, SRR's premium Dredging Hose is the product of many years of experience in handmade hose design and manufacturing.

SRR engineers and manufactures the complete hose assembly from formulation of all rubber compounds to vulcanizing the finished hose. This is your assurance that all raw materials used in production are compatible with each other and most suitable for the intended use of the hose.

If your requirements include flexibility, stability, vibration damping or resistance to abusive handling, special ends or no ends at all...call Salem-Republic Rubber Company.

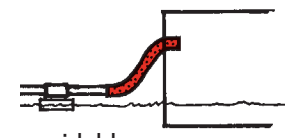
SUCTION

SRR's tough hard suction hose features a custom-blended rubber lining that resists the most severe cutting and abrasive action. Spring steel helix wire with multiple synthetic textile reinforcement provides for full vacuum, kink resistance, and vibration damping.



DISCHARGE

Hard-wall (SDH) and soft-wall (SDS) stern discharge hose are designed to meet your needs. Hard-wall where bend radius is controlled... Soft-wall where kinking is unavoidable.



SLEEVE—Only the best...SRR's unique construction includes use of nonwicking...high tensile synthetic tire cord. No "ply ratings"...the number of plies stated is actual count. (see back cover)

GIMBALS—Specifically designed to exacting specification for individual dragarm hopper dredges. (see back cover)

SDH Hard-Wall DISCHARGE HOSE

SRR's SDH Hard-Wall Discharge Hose employs a wire helix with multi-ply reinforcing fabric. The helix construction, which also permits use for suction service, offers the dredge operator a discharge hose that stays round through normal bend radii. This affords extended service life over soft-wall hose, which is susceptible to ovaling out. Operating pressures up to 400psi are standard with a 4:1 safety factor.

Available with numerous options, including special diameters, lengths, and cover materials, SRR's SDH Hard-Wall Discharge Hose helps to reduce dredge downtime by minimizing maintenance problems.

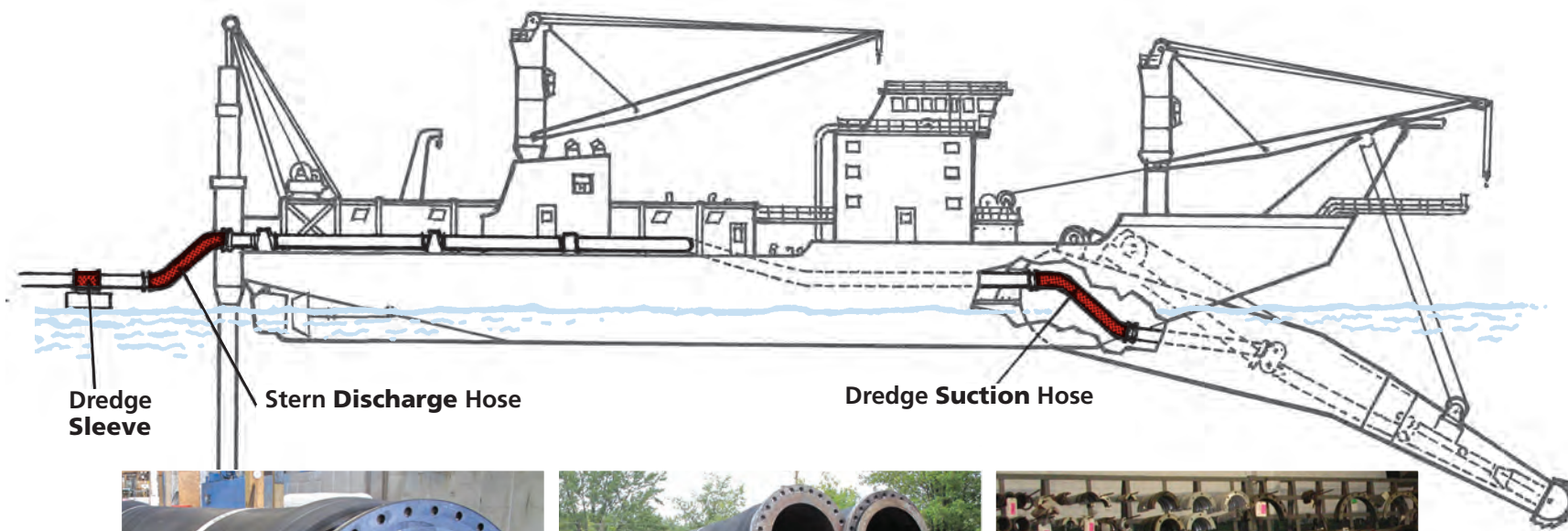
Optional Tube Lining Thickness

— to meet special needs of materials being handled, hose diameter, and service conditions. SRR's compounds are formulated to resist abrasion and cutting.

Custom Cover — supplied with wear-resistant SBR, EPDM or neoprene for added resistance to ozone and sunlight.

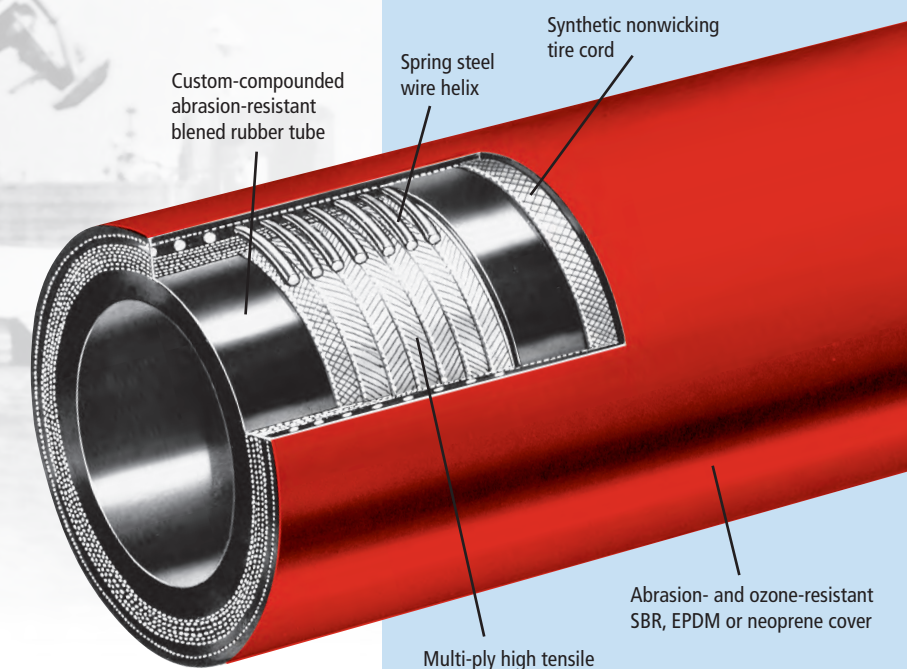
Custom Lengths — to 50 ft., diameters to match pipe I.D.'s or O.D.'s up to 42".

Custom Ends — straight or enlarged to fit your pipe size or any of the flanged ends shown on back page.



(Above) Barge-unloading dredge using twin suction/discharge hoses.

(Below) Cutter head suction dredge with SRR Dredge Suction hose



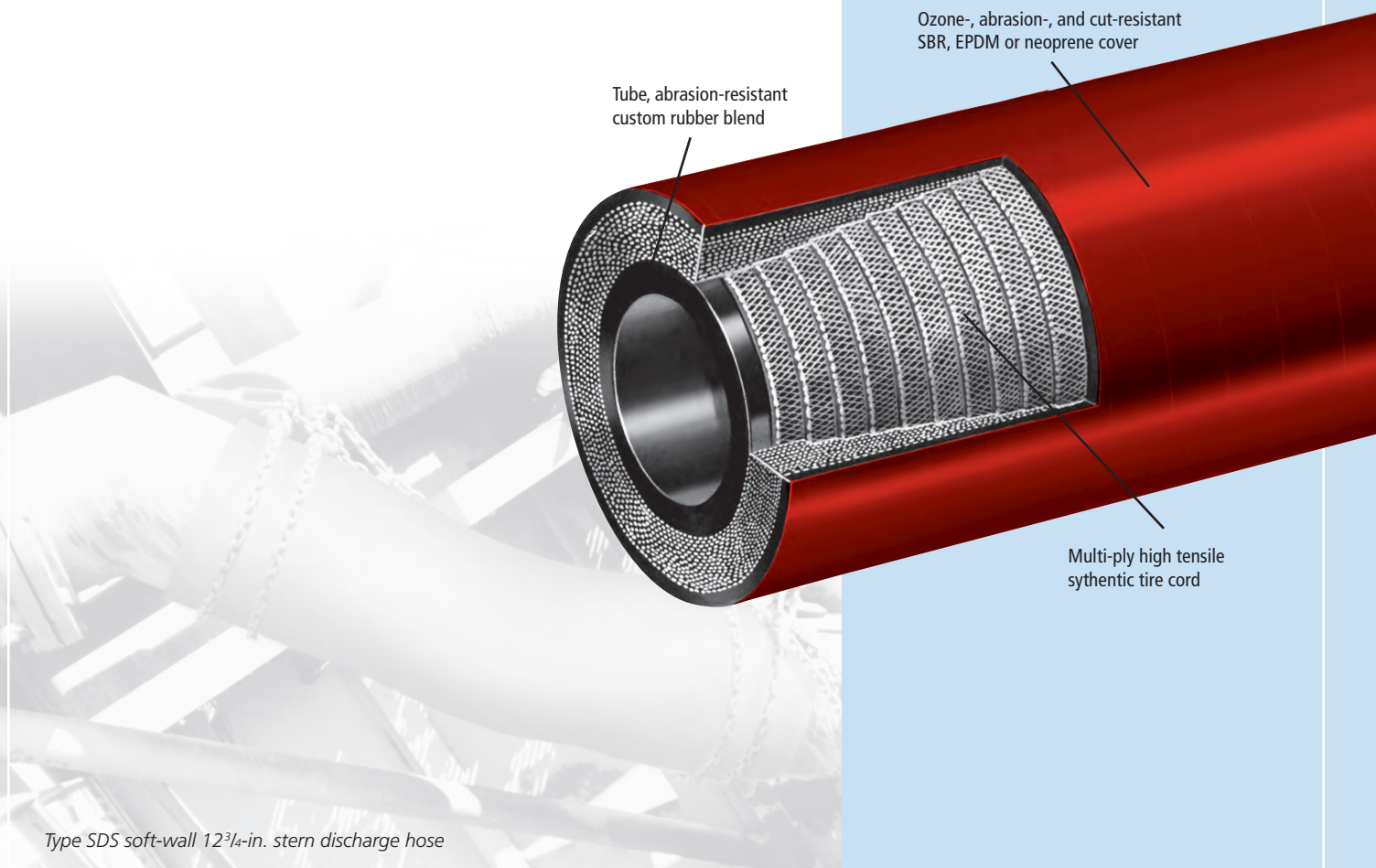
SDS Soft-Wall DISCHARGE HOSE

The SDS Dredge Discharge hose is designed for operating pressure up to 400psi. The SDS hoses are handmade and can be provided with flanged ends, enlarged ends (to easily slip over pipe stubs), or plain cut ends.

Soft-Wall Discharge Hose is intended for service when tides, current or operating conditions may cause kinking, which quickly destroys hard-wall hose. Applying pressure to a kinked soft-wall hose will round out the hose with no detrimental effect.

Soft-Wall Construction — Recommended for use where hose kinking can otherwise cause premature failure. SRR soft-wall discharge hose will oval out, but springs back under working pressure.

Hose Cover — SBR rubber, EPDM or neoprene is available to meet custom requirements for cut and abrasion resistance, and to withstand strong sunlight and ozone. SRR will provide a tough neoprene cover for salt-water service, and where it will be exposed to long periods of sunlight.



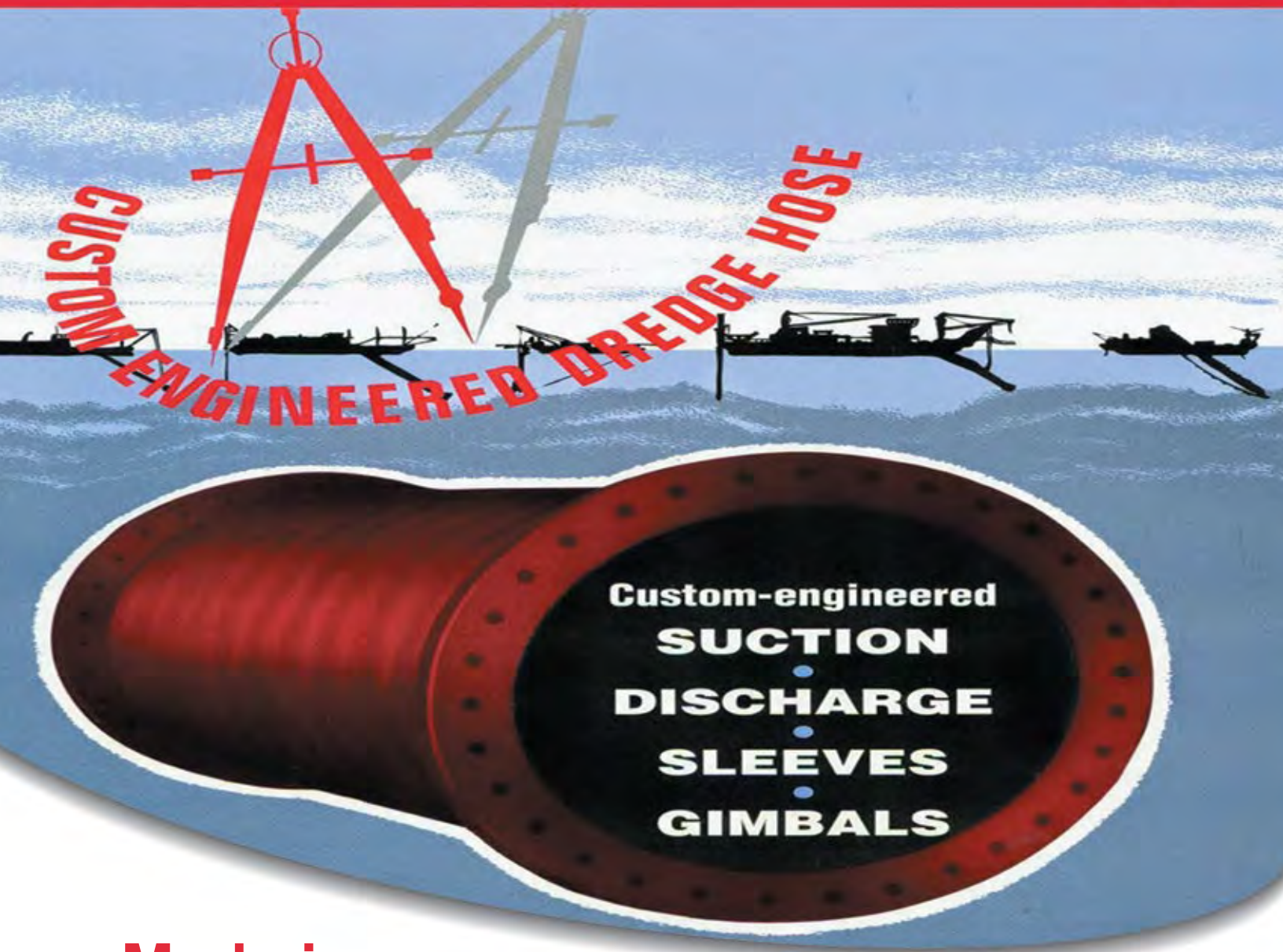
Type SDS soft-wall 12 3/4-in. stern discharge hose

Made in the USA



salem-republic rubber company

Flexible Dredge Connection Solutions



Made in
**Sebring,
Ohio USA**

www.salem-republic.com

For All Your Dredging Applications

SOFT SOLIDS

- Silt
- Clay
- Heavy Duty Water
- Multi-Purpose Fittings
- 50-100 PSI Working Pressure



SAND & QUARRY

- Sand Suction Hose
- Dredging Sleeves
- Booster Pump Hoses
- Salem-Flex Slurry Hose & Split Aluminum Flanges
- Diameters up to 60"
- Working Pressure to 500 PSI

MARINE CONSTRUCTION

- Dredge Suction
- Gimbals
- Hard Wall Discharge
- Soft Wall Discharge
- Diameters up to 60"
- Lengths up to 50'
- Working Pressure to 500 PSI

FLOATING DISCHARGE HOSE

- Lengths up to 50'
- Outside Diameter to 72"
- 150 PSI & 300 PSI Versions



SR
salem-republic
rubber company

phone: **800-686-4199**
fax: 330-938-9809
475 W. California Ave.
Sebring, OH 44672 USA
www.salem-rubber.com
srr@salem-republic.com

CALL US FOR A QUOTE OR VISIT OUR WEBSITE FOR ADDITIONAL INFORMATION.



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Oil Suction & Discharge Hose

Application

Heavy duty hose for use in unloading of tankers or barges at oil terminals or refineries where full vacuum and discharge is required.

Construction

Nitrile tube which will handle petroleum based products up to 55% aromatics. Other compounds are available for higher aromatics by contacting our factory.

Reinforcement

Multiple plies of polyester fabric reinforced with spring steel wire. Hose absorbs constant flexing and pulsation.

Cover

Black synthetic rubber resistant to abrasion and petroleum products.

Fittings

Built-in or swaged on carbon steel nipples (threaded or beveled) or carbon steel flanges (threaded or back welded slip-on).

Spec. No. O7150-9580C-S0902

SPECIFICATIONS

200# PSI W.P.

I.D.	APPROX. O.D.	APPROX WT/FT	LENGTH
4"	5-3/8"	4.76	50 feet
6"	7-1/2"	7.76	50 feet
8"	9-13/16"	12.94	50 feet
10"	12"	17.18	50 feet
12"	14-1/8"	26.02	50 feet

Spec. No. O7150-9580C-S0903

SPECIFICATIONS

250# PSI W.P.

I.D.	APPROX. O.D.	APPROX WT/FT	LENGTH
4"	5-7/16"	5.07	50 feet
6"	7-11/16"	8.66	50 feet
8"	9-15/16"	14.13	50 feet
10"	12-1/8"	22.13	50 feet
12"	14-1/4"	27.76	50 feet

Spec. No. O7150-9580C-S0904

SPECIFICATIONS

300# PSI W.P.

I.D.	APPROX. O.D.	APPROX WT/FT	LENGTH
4"	5-9/16"	5.75	50 feet
6"	7-13/16"	9.60	50 feet
8"	10-1/16"	18.25	50 feet
10"	12-1/4"	23.66	50 feet
12"	14-7/16"	29.54	50 feet



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STREET SWEEPER & LEAF COLLECTOR HOSES



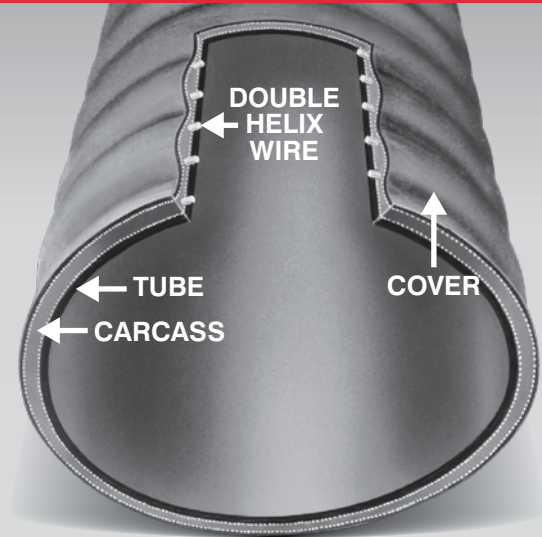
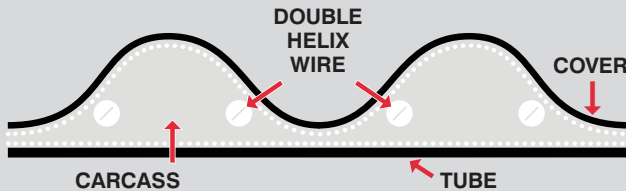
HI FLEX – LONG LIFE

VOL-U-FLEX

SMOOTH BORE HEAVY DUTY VACUUM HOSE

DOUBLE-HELIX WIRE REINFORCEMENT

VOL-U-FLEX Line and Port Hose feature a double-helix spring-steel wire reinforcement encapsulated in a continuous bridge of rubber for tough, long-life service. This unique Salem-Republic feature greatly extends hose life at a cost comparable to what you would expect to pay for conventional constructions.



Heavy Duty Line Hose

(V6339-6768D-D1201)

TUBE 1/8" static-conducting NR/SBR.

CARCASS Multi-ply of high-tensile square-woven polyester fabric. Dual high-tensile steel wire helix.

COVER Weather, ozone and abrasion-resistant SBR.

ENDS Plain cut or soft cuffs.

INSIDE DIAMETER	OUTSIDE DIAMETER	APPROX. WT./FT.	MIN. BEND RADIUS
*4.00"	4.60"	2.19	8.0"
5.00"	5.70"	3.16	11.0"
*6.00"	6.74"	4.39	14.0"
*8.00"	8.80"	6.70	18.0"
10.00"	10.84"	8.53	22.0"
12.00"	12.90"	10.40	27.0"

Special ends available upon request.

*Denotes stocked items.

Special Extra H.D. Hose For Vector Trucks

(V6109-6768D-D2598)

TUBE Full 1/4" NR/SBR.

CARCASS One-ply high-tensile spun polyester woven fabric and special design dual high-tensile steel wire helix for increased flexibility.

COVER Weather, ozone and abrasion-resistant SBR.

ENDS Soft cuffs.

INSIDE DIAMETER	LENGTH	WEIGHT/LENGTH
8	62"	40#
*8	66"	44#
8	120"	80#
*8	127"	85#
8	192"	136#
8	240"	160#
6	120"	55#
10	120"	105#
12	120"	125#

Special ends available upon request.

*Denotes stocked items.

Contact us for your special length requirements.

All vacuum hose, including leaf collector, are available in food-grade compounds.

LOADER HOSE

LIGHT-WEIGHT, SMOOTH BORE, TOUGH, HIGH-FLEXIBILITY HOSE

Salem-Republic's Light-Weight and new Superlite Series smooth bore hoses are designed with high-tensile synthetic fabric, reinforced with a helix of tempered spring-steel flat wire. The tough, abrasion-resistant cover withstands ozone and weathering for lasting service. High-strength, thin-wall construction provides up to 40% weight savings over other designs. *These hose offer unique versatility for many cost-saving operations such as...*

- whip ends
- easy-handling line hose
- elbows and connectors
- industrial vacuum installations including large diameter manifold hose and smaller diameter take-off runs.



Light-Weight Hose

(V6339-6768D-F1203)

Smooth, heavy-gauge 1/8" tube. An economical and light-weight alternative to the H.D. Vol-U-Flex. For line hose service, industrial plant vacuum and heavy-duty whip end use.

Superlite Plus Hose

(V6339-6768D-F0902)

Light-weight construction using 3/32" SBR for tube and cover. For light-duty whip end; work hose service, and industrial plant vacuum systems. Handles easily like ducting for all types of vacuum service.

We can also respond to your other special requirements... We are a custom engineered hose manufacturer.

TUBE Static-conducting NR/SBR.

CARCASS High-tensile spun polyester with tempered spring-steel flat wire helix.

COVER Tough abrasion-resistant SBR with stands ozone and weathering.

ENDS Plain cut or soft cuffs.

DIAMETER	APPROX. WEIGHT/FOOT		MIN. BEND RADIUS
	LIGHT WEIGHT	SUPERLITE PLUS	
1.5"	.68	.60	3.0"
2.0"	.87	.75	3.5"
2.5"	1.08	.92	4.5"
3.0"	1.26	1.10	5.5"
3.5"	1.72	1.50	6.5"
4.0"	2.00	1.75	7.5"
5.0"	2.67	2.40	9.5"
6.0"	3.31	3.00	12.0"

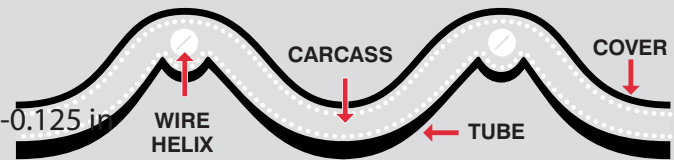
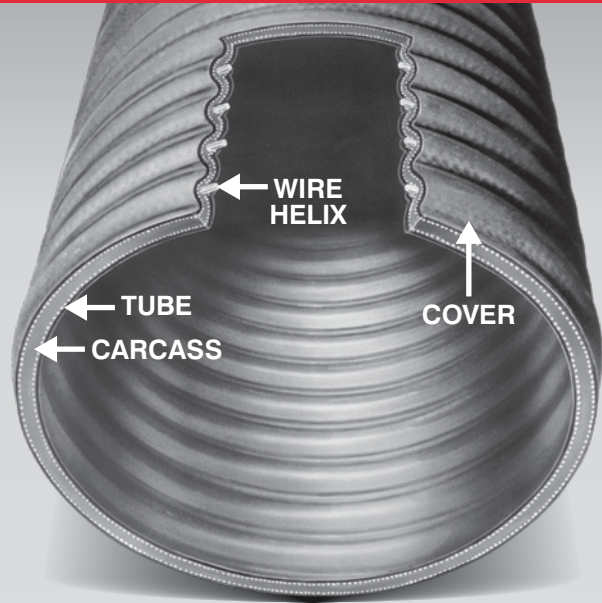
All vacuum hose, including leaf collector, are available in food-grade compounds.

COR-U-FLEX

STREET SWEEPER & LEAF COLLECTOR HOSE

YOUR ULTIMATE FOR FLEXIBILITY... COR-U-FLEX

These large-diameter constructions produced with over 30 years of proven reliability are corrugated inside and out. They are extremely flexible for their multi-ply strength and wire helix reinforcement. Outstanding for leaf collection, scavenger, and catch basin service, COR-U-FLEX hose assures easy all-temperature handling due to its unique deep-corrugation flexibility. Custom compounds for special applications and special sizes are available.



TUBE Abrasion-resistant NR/SBR is used for the corrugated hose liner assuring lasting resistance to the wear and abuse of high-velocity vacuum service.

COVER Black abrasive-resistant neoprene cover provides excellent resistance to weathering, oil, and ozone.

CARCASS Salem-Republic uses multi-ply high-tensile woven polyester fabric with a spring-steel wire helix for best flexibility, ease of handling and long life.

ENDS Straight soft cuffs are standard to simplify installation.

Ultra Light Leaf Collector

(L6493-9580P-S0804)

Engineered for new, modern designed leaf collector trucks.

SIZE ID IN.	LENGTH	LBS. PER LENGTH
8	12' 3"	42
8	10' 0"	34
8	11' 6"	39
9	2' 10"	11
10	2' 10"	13
11	5' 2"	24
12	2' 6"	16
12	5' 0"	32
12	6' 0"	30
13	3' 2"	28
13	3' 5"	18
13	5' 4"	28
14	2' 8"	20
14	3' 0"	27
16	4' 0"	30
16	10' 0"	73
18	8' 4"	68
18	10' 0"	81

Light-Weight Leaf Collector Hose

(L6109-9580P-S0803)

Excellent for light vacuum use and leaf collection.

SIZE ID IN.	LENGTH	LBS. PER LENGTH
8	10' 0"	48
10	8' 4"	50
10	9' 0"	53
10	10' 0"	59
12	7' 0"	51
12	8' 4"	60
12	9' 0"	64
12	10' 0"	71
12	12' 0"	86
14	7' 1"	65

Contact us with the make and model of your truck or sweeper so we can fill your application needs.

Medium-Weight Scavenger Hose

(L6109-9580P-S0803)

Scavenger hose for heavy duty leaf collection service and for light-duty catch basin use.

SIZE ID IN.	LENGTH	LBS. PER LENGTH
12	8' 4"	77
12	9' 0"	93
12	10' 0"	90
12	12' 0"	111
14	4' 8"	49
14	5' 6"	58
14	8' 4"	88
14	10' 0"	106

Heavy-Duty Catch Basin Hose

(L6109-9580P-S0803)

Multi-use catch basin loader hose is used primarily for severe catch basin service. Features heavy-gauge liner plus deep corrugations for maximum flexibility.

SIZE ID IN.	LENGTH	LBS. PER LENGTH
8	10' 0"	70
10	8' 4"	72
10	10' 0"	86
12	8' 4"	85
12	9' 0"	92
12	10' 0"	102
12	12' 0"	123

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rubber company

phone: 800-686-4199
fax: 330-938-9809

475 W. California Ave.
Sebring, OH 44672 USA

www.salem-rubber.com
srr@salem-republic.com

VACUUM TRUCK COMPRESSION SEAL

APPLICATION:

Designed to serve as the flexible compression seal, or make/break seal between the vacuum pump and the debris body on industrial and municipal vacuum trucks. Seals are capable of withstanding full vacuum suction service.

CONSTRUCTION:

Tube: 3/16" thick black natural rubber.

Reinforcement: 3 individual steel hoops and polyester fabric.

Cover: Neoprene rubber.

Ends: One end a straight cuff, other end is square cut.

SIZES:

8-1/16" ID x 10.0" ID x 10.0" OAL

9-5/8" ID x 12.0" ID x 10.0" OAL

10-1/16" ID x 12.0" ID x 10.0" OAL

AVAILABILITY:

8-1/16" ID x 10.0" ID x 10.0" OAL: Made to order.

9-5/8" ID x 12.0" ID x 10.0" OAL: In stock.

10-1/16" ID x 12.0" ID x 10.0" OAL: In stock.

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1-800-686-4199 • (330)938-9809 fax

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www.salem-republic.com • srr@salem-republic.com

Street Sweeper Trunking



**For UK AND CANADIAN
style sweepers.**

8" ID

**Nozzle Trunking for overhead boom
vacuum suction.**

Materials of Construction

TUBE – abrasion resistant corrugated natural
rubber

CARCASS – fabric and spring steel wire helix
reinforced

COVER – all weather corrugated neoprene
rubber

ENDS – 4" long soft cuffs on each end

9" and 10" ID

**Trunking for lower brush and vacuum
suction.**



Style 230

All three sizes are in stock, unbranded and ready for shipment

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