



salem-republic rubber company



# 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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Call us at **1-800-686-4199**  
 Visit us at **www.salem-republic.com**



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