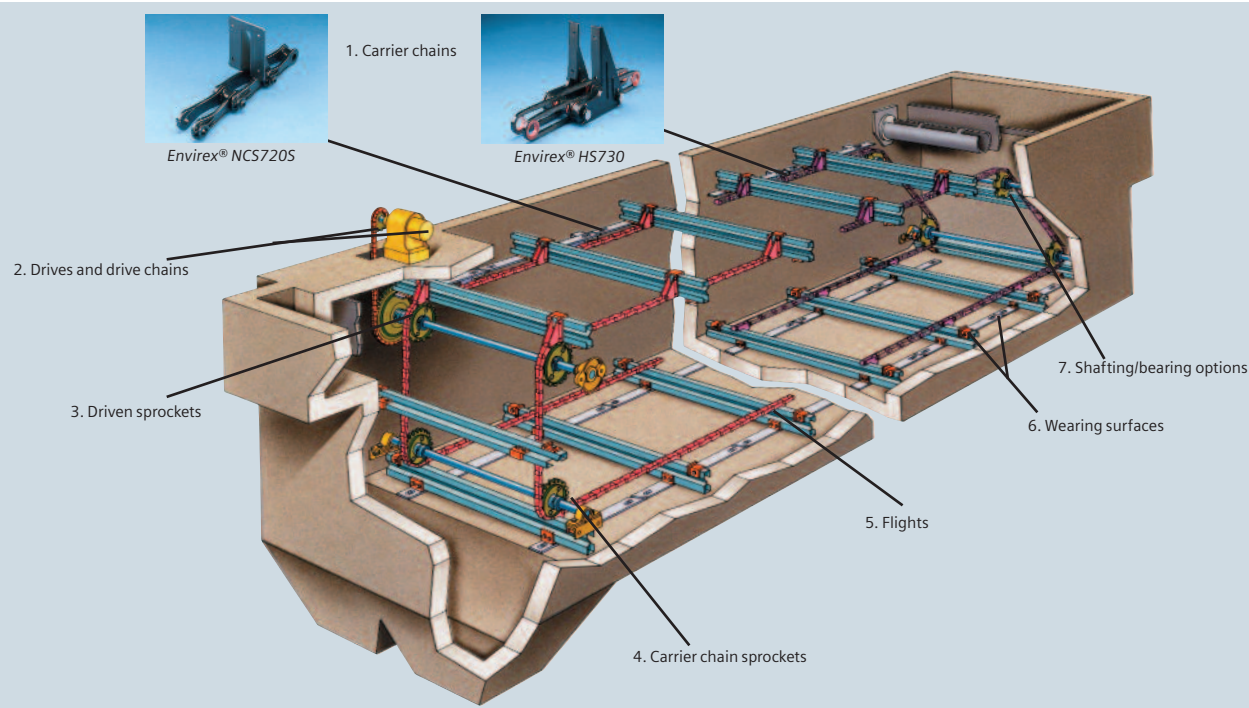


Envirex[®] Chain & Scraper Sludge Collector Systems & Components

Water Technologies

SIEMENS



Envirex® Chain & Scraper Sludge Collector Systems & Components

Siemens is the technology leader in sludge collectors

Envirex® sludge collector systems and components are made of advanced materials and designed for long life and reduced wear. They offer more options, more material choices and more sizes than anyone else in the industry. All systems and components are designed to meet the specific requirements of each installation, whether for new construction or when retrofitting existing installations.

Carrier Chains

Envirex® NCS720S: This is the worldwide standard for molded chain with over 8 million feet installed in over 13,000 mechanisms. Some of the original installations have over 20 years of successful operation.

Envirex® HS730: With its high-strength composite material construction, the Loop Chain is suited for heavily loaded tanks and long tanks over 300 feet (90 m) in length. It is the only non-metallic chain in the marketplace, offering strength nearly equal to cast and SS chain at a fraction of the weight.

Envirex® 715SS: Manufactured out of Type 403 stainless steel with hardened pins and bushings, 715SS chain provides excellent strength and corrosion resistance. This chain is suitable for heavy grit or heavily loaded applications where additional wear resistance or strength is needed. It is especially suited for plants using stacked collectors (double deck) where most robust, longest wearing chain is needed.

Drives and Drive Chains

Drive arrangements include single or parallel units or right angle units. Optional parallel units with cross collectors are available. Drive chains are available in molded polymeric and stainless steel.

Driven Sprockets

Both shallow and deep dish designs are available in a split polyurethane body with replaceable tooth segments. Headshaft sprockets incorporate the chain saver rim and have captive keyways, eliminating set screw concerns.



Service personnel remove redwood flights in preparation for installing new fiberglass flights.

We offer complete installation and after-sales services to help you protect your investment.

- Our experienced field service personnel—the largest group in the industry—can handle a complete upgrade, or do portions of it assisted by your personnel.
- We can handle the installation of new collectors, as well, working with your contractors or others. They can perform annual inspections, advise on inventory requirements and, of course, be on-site for emergencies.
- We can upgrade or retrofit any manufacturer's sludge collector with new, non-metallic components. The renovated collector will run smoother and require far less maintenance than the original.
- For replacement parts, we have the most extensive inventory in the business, and can ship from stock immediately when required.

Carrier Chain Sprockets

Envirex® standard sprockets are made of molded polyurethane material with 3, 4 and 7 inch (76, 102 and 178 mm) through bores. Optional molded UHMW, fabricated UHMW and segmented designs with cast iron or polyurethane hubs with choices of polyurethane or UHMW teeth are available.

Flights

Envirex® offers three basic styles of flights manufactured of pultruded fiberglass reinforced composite material

Channel Flights: This economical design can handle normal loadings over a span of 20 feet (6 m). In addition to the standard 3" by 8" (76 mm x 203 mm) size, a 3" by 6" (76 mm x 152 mm) is also available.

Sigma Plus Flights: This competitively priced flight can handle normal sludge collectors up to 25 feet (7.6 m) wide. Face extensions 3" and 7" (76 mm and 178 mm) can be added to accommodate light secondary or alum sludges.

Diamond Flights: This high strength fiberglass flight can handle heavy sludge loadings, or suited for tanks up to 32 feet (10 m) in width. The special design gives it exceptional deflection and twist strength. Standard size is 3" by 8" (76 mm x 203 mm). Optional face extensions to further add strength to the section are available.

Wearing Surfaces

Return tracks: Fiberglass, stainless steel and carbon steel return tracks are available in J-Track and Angle configurations.

Wear strips: UHMW wear strips can be easily installed on the carrying and return runs of fiberglass and carbon steel tracks, extending the life of the wear shoes and reducing flight friction.

Wear shoes: Available in a reversible design in virgin UHMW-PE and polyurethane. Either offers extended wear life.

Shafting/Bearing Options

A number of design options and/or replacement components are available for shafting, including idler stub shafts, static shaft sleeve bearings and split or solid wall bearings.

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The information provided in this brochure contains merely general descriptions or characteristics of performance which in actual case of use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.

Tel: +1.262.547.0141
Fax: +1.262.547.4120

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