

FIBREGLASS SPIRAL CHUTE



- **HIGH PRODUCTION**
- **ULTIMATE EFFICACY**
- **GREAT QUALITY**



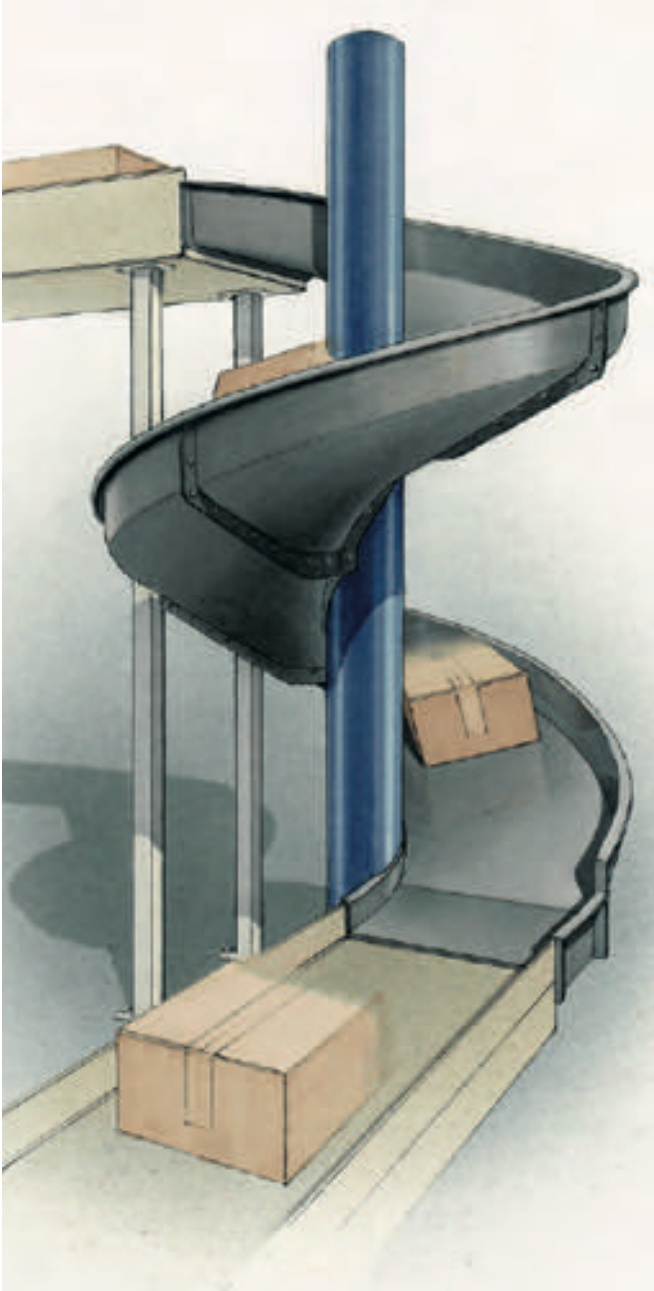
FIBREGLASS **SPIRAL CHUTE**

FOR ALL INDUSTRIES


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GENERAL INFORMATION



- ▶ In certain applications, a spiral chute is all that is needed to gently move products down to a lower level while maintaining orientation.
- ▶ The angles and degree of the profile design and infeed / outfeed sections, ensure a smooth transition of product, whilst controlling descent speed.
- ▶ The wear resistant characteristic on our fiberglass chute assists products to flow freely, gently and safely with minimum wear.
- ▶ The chute is designed with fiberglass flame resistant Class 0/1 to ASTM E84 & UV resistant material.
- ▶ The column is made from high grade of steel epoxy & Polyurethane coated.
- ▶ The chute's hardware are of SS 316/A4.
- ▶ The design life of our Luggage chute exceeds 20 years of service life.



IMPORTANT FEATURES



1. Light weight:

Fiberglass spiral chutes weigh 1/3 the weight of steel or stainless steel, resulting in lower installation cost.

2. Corrosion resistant to harsh environment:

Fiberglass material is resistant to more than 1000 chemicals and combination of chemicals from -4°C to 148°C . Unlike steel, GRP does not require coating. The corrosion resistance is achieved by the choice of the resin and gelcoat.

3. Fire retardant Class 0/1:

Our Fiberglass spiral chutes are designed to exhibit a minimum of a class 0/1 flame spread rating in accordance with ASTM E 84 flame spread rating tunnel test. It also meets the self-extinguishing requirement of ASTM D635.

4. UV resistance and Durability:

Our Fiberglass spiral chute is suitable for 100% humidity and temp $> 60^{\circ}\text{C}$ and UV resistant by adding UV inhibitor in the resin and a synthetic veil to the external layer.



IMPORTANT FEATURES

5. Virtually maintenance free:

Fiberglass does not require any blasting or coating.

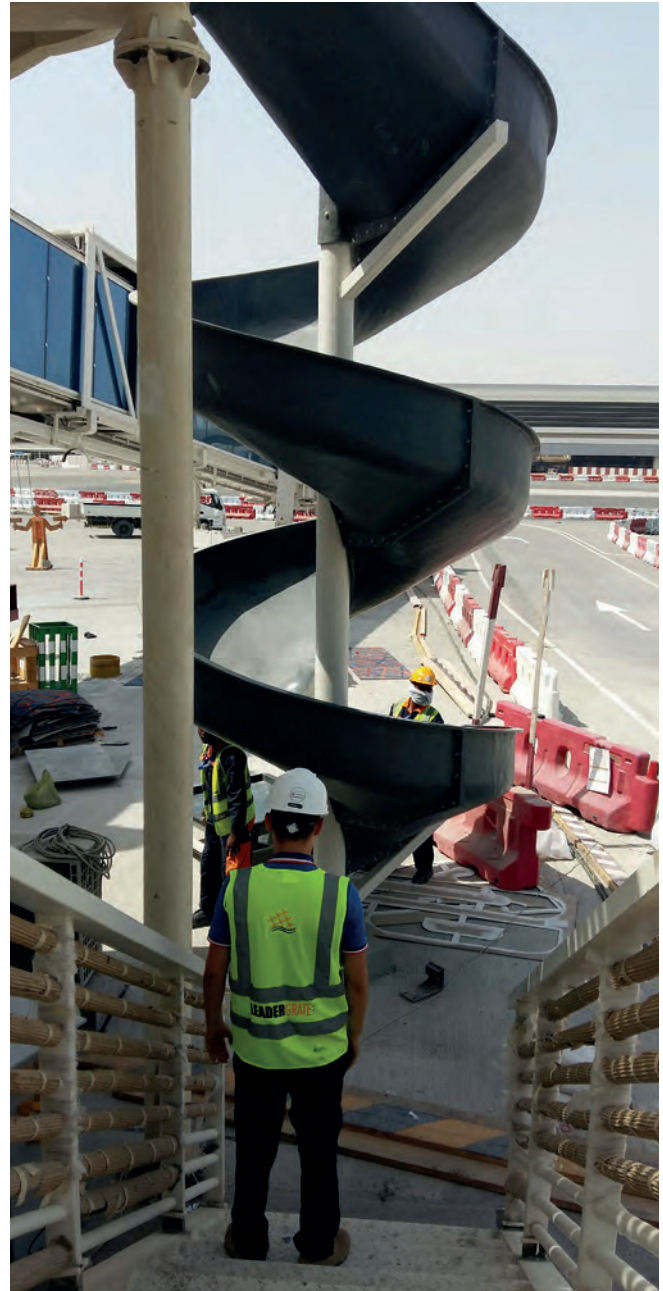
6. Variety of colors:

The standard color for luggage chute is grey, but any system can be custom ordered to the client specific Color requirements.

7. Extremely quick installation.

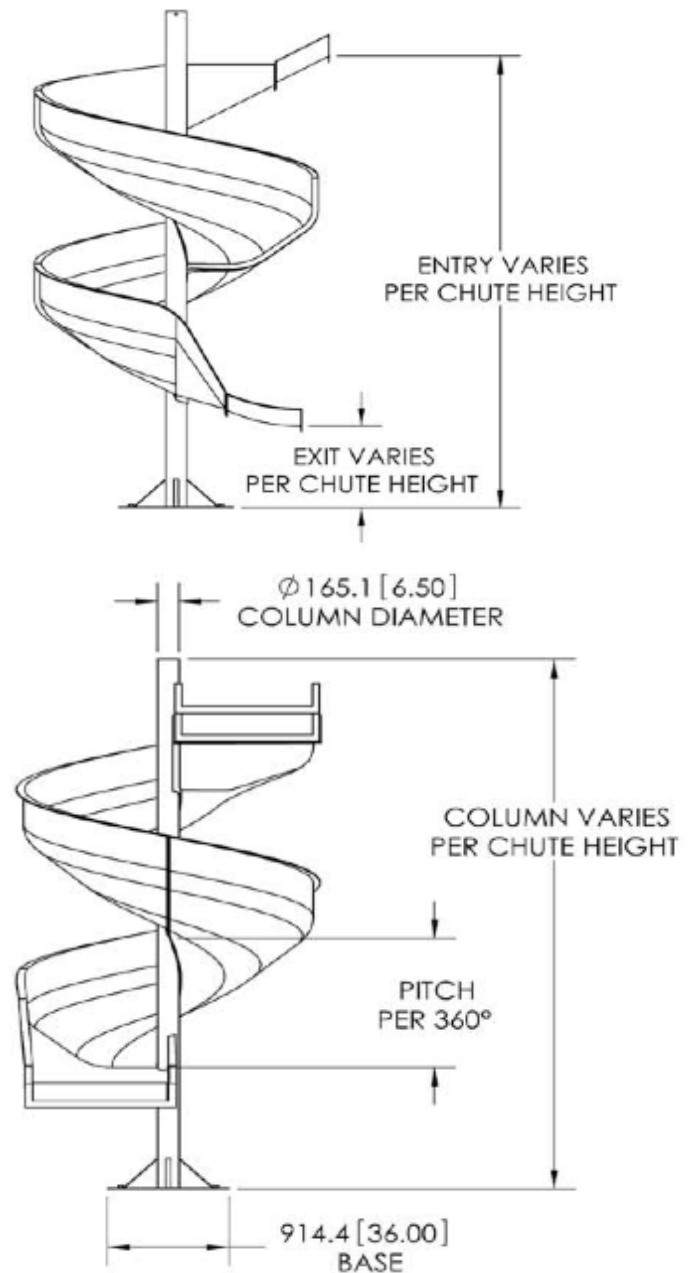
8. Electrically and thermally non conductive:

because our system is non metallic, electro magnetic and radio wave frequencies are completely unaffected.



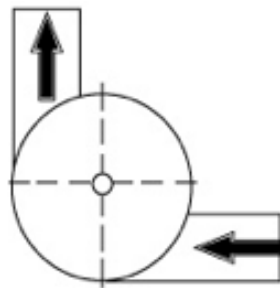
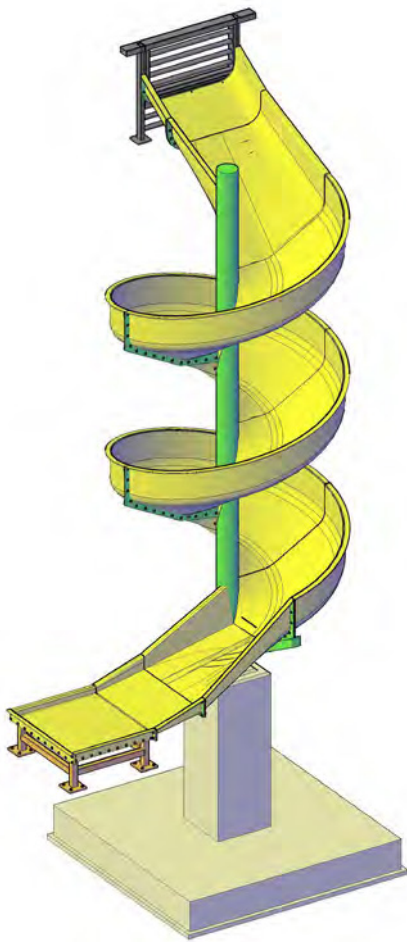
DESIGN MODELS

Each profile is available in clockwise and anti-clockwise orientation providing more flexibility when arranging material flow. The standard profile configurations as per below. Non standard configuration can also be designed.

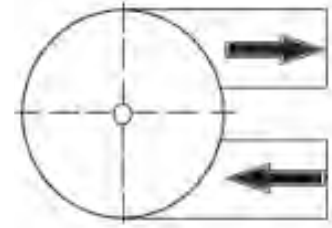


DESIGN MODELS

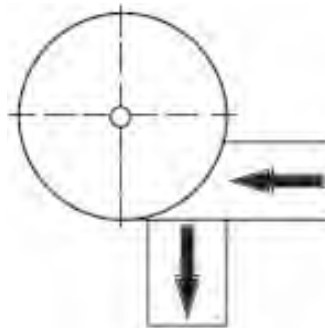
A- Clockwise Spiral chutes :



90°



180°



270°

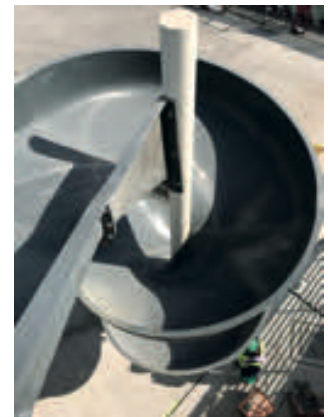


360°



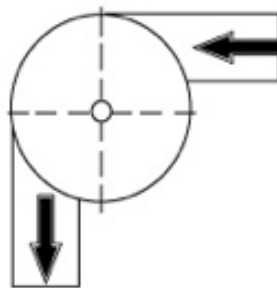
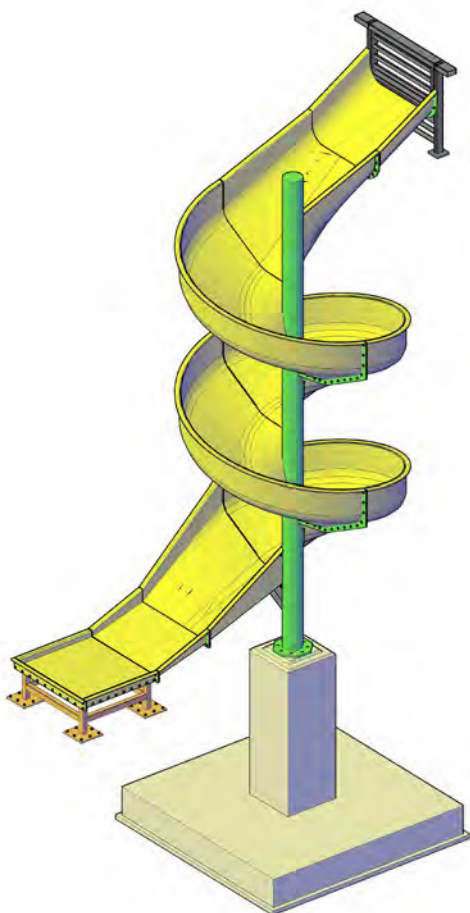
DESIGN MODELS

A- Clockwise Spiral chutes :

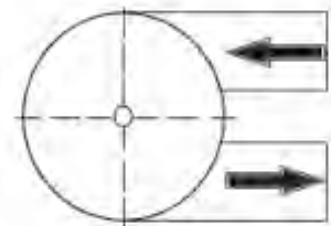


DESIGN MODELS

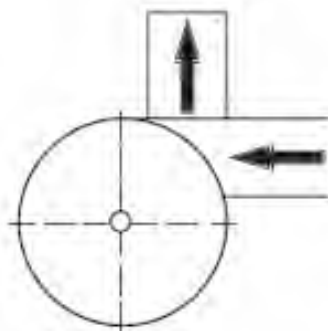
B- Anti-Clockwise Spiral chutes :



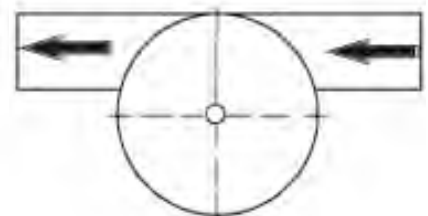
90°



180°



270°



360°



DESIGN MODELS

B- Anti-Clockwise Spiral chutes :



AREAS OF APPLICATION

Airports Baggage Handling



Distribution and Warehouses



Mining



AREAS OF APPLICATION

Postal and Parcel Handling



Newspaper Industry



Food Processing Plants



Water Park



Pharmaceutical Industry



REFERENCE LIST

CLIENT | DUBAI AVIATION ENGINEERING PROJECTS
PROJECT | DUBAI INT’I AIRPORT EXPANSION SP070- Concourse C, B and Terminal 1
CONSULTANT | DAR AL HANDASAH .
PRODUCT | FIBERGLASS LUGGAGE CHUTES – QTY 16 Nos
YEAR | 2017.

CLIENT | DUBAI AVIATION ENGINEERING PROJECTS
PROJECT | DUBAI INT’L AIRPORT EXPANSION PHASE III , SP-500 Concourse -4
CONSULTANT | DAR AL HANDASAH .
PRODUCT | FIBERGLASS LUGGAGE CHUTES – QTY 23 Nos .
YEAR | 2014



 **LEADERGRATE**
GRP PRODUCTS

Fabricated by 
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